

## NBASIC Statement Reference

\$COLOR	Restores the default foreground and background colors when a program ends	
\$DIR [filespec\$]	Lists files on a volume	Version 1.6 or later, all editions
\$DIR [filespec\$],[{-}{O   P   W}}...]	Lists files on a volume	Version 2.0 or later, all editions
\$LOAD	Loads a program	Version 2.0 or later, standard edition only
\$PRINT	Prints the current program	
\$SAVE	Saves a program	Version 2.0 or later, standard edition only
\$STARTUP	Displays NBASIC startup sequence	Version 2.0 or later, all editions
\$XREF [category\$]	Cross-references the current program	
\$XREF[, {0   *   \$   F   M   S   U   V}]	Cross-references the current program	Version 2.2 or later, all editions
\$XREF[, {0   *   #   !   %   \$   F   M   N   S   U   V}]	Cross-references the current program	Version 3.0 or later, all editions
' [remark]	Allows remarks to be inserted into a program	
*label	Defines a label	
A. #file%,record%	Appends a record to a file	Version 1.5 or later, all editions
A. [#]file%,record%	Appends a record to a file	Version 2.0 or later, all editions
A. {[#]file%,[record%]   #file%}	Appends a record to a file	Version 2.7 or later, all editions
A. filespec1\$ TO filespec2\$	Appends a file to another file	Version 1.5 or later, standard edition only
A. line1 TO line2[, {E   D   ED}]	Appends a line in the current program to another line	Version 1.5 or later, standard edition only
A. line1 {TO   ,} line2[, {E   D   ED}]	Appends a line in the current program to another line	Version 2.0 or later, standard edition only
ABORT [file%[,file%]...]	Cancels one or more open files or the printer	
ABORT [[#]file%[,[#]file%]...]	Cancels one or more open files or the printer	Version 2.0 or later, all editions
ABOUT	Displays program information, version number, and copyright	

APPEND #file%,record%	Appends a record to a file	Version 1.5 or later, all editions
APPEND [#]file%,record%	Appends a record to a file	Version 2.0 or later, all editions
APPEND {[#]file%,[record%]   #file%}	Appends a record to a file	Version 2.7 or later, all editions
APPEND filespec1\$ TO filespec2\$	Appends a file to another file	Version 1.0 or later, standard edition only
APPEND line1 TO line2,[E][D]	Appends a line in the current program to another line	Version 1.0 or later, standard edition only
APPEND line1 {TO   ,} line2,[E][D]	Appends a line in the current program to another line	Version 2.0 or later, standard edition only
ARC (x%,y%),radius%[,,[color%][,[start#][,[end#][,[aspect#][,F]]]]	Draws an arc	Version 1.0 or later, standard edition only
ARC [STEP](x%,y%),radius%[,,[color%][,[start#][,[end#][,[aspect#][,F]]]]	Draws an arc	Version 2.6 or later, standard edition only
ARRAY CLEAR array[,,[start%][,[end%]]	Clears the elements in an array	Version 2.4 or later, standard edition only
ARRAY DELETE array,index%[,redimension %]	Deletes an element from an array	Version 2.1 or later, standard edition only
ARRAY FILL array,value[,,[start%][,[end%]]	Sets the elements in an array to a value	Version 2.4 or later, standard edition only
ARRAY INSERT array,value,index% [,redimension%]	Inserts an element into an array	Version 2.1 or later, standard edition only
ARRAY REVERSE array[,,[start%][,[end%]]	Reverses the elements in an array	Version 2.1 or later, standard edition only
ASAVE filespec\$	Saves a program	Version 1.4 or later, all editions
ASK BACK[GROUND] [COLOR] variable	Gets the background color of the text screen	Version 1.4 or later, all editions
ASK COLOR variable	Gets the foreground color of the text screen	Version 1.4 or later, all editions
ASK PRINTER variable	Gets the default volume	Version 1.4 or later, standard edition only
ASK VOLUME variable	Gets the default volume	Version 1.4 or later, all editions
ASK ZONEWIDTH variable	Gets the zonewidth	Version 1.4 or later, all editions
ASSERT condition%[,message\$]	Conditionally stops the current program	Version 1.0 or later, standard edition only
AT row%,column%	Moves the cursor to a specified position on the screen	

AT. [{+   -}R] filespec\$	Displays or changes the read-only attribute of a file	Version 1.5 or later, all editions
AT. [{+   -}R] [filespec\$]	Displays or changes the read-only attribute of a file	Version 2.0 or later, all editions
ATTACH {#file%   LPRINT}	Attaches screen output to a file or the printer	Version 1.5 or later, all editions
ATTACH {[#]file%   LPRINT   PRINTER}	Attaches screen output to a file or the printer	Version 2.0 or later, all editions
ATTACH {[#]file%   LOG   LPRINT   PRINTER}	Attaches screen output to a file or the printer	Version 3.0.2 or later, all editions
ATTRIB [{+   -}R] filespec\$	Displays or changes the read-only attribute of a file	
ATTRIB [{+   -}R] [filespec\$]	Displays or changes the read-only attribute of a file	Version 2.0 or later, all editions
AUTO [start[,increment]]	Turns automatic line numbering on	Version 2.0 or later, standard edition only
B. volume1\$ TO volume2\$	Copies files in a volume to another volume	Version 1.5 or later, all editions
BACKCOLOR [=] color%	Sets the background color of the text screen	Version 2.0 or later, all editions
BACKUP volume1\$ TO volume2\$	Copies files in a volume to another volume	
BAR row%,column%,width%,height%[,style% [,color%]]	Draws a bar	Version 2.0 or later, all editions
BEEP	Generates a beep sound from the computer's speakers	
BKOFF	Turns trapping of the BREAK key off	Version 1.4 or later, all editions
BKON	Turns trapping of the BREAK key on	Version 1.4 or later, all editions
BKSTOP	Suspends trapping of the BREAK key	Version 2.0 or later, all editions
BOT[TOM] [count%]	Displays lines in the current program	Version 2.2 or later, all editions
BOX [(x1%,y1%)-(x2%,y2%)[,][color%][,F]]	Draws a box	Version 1.0 or later, standard edition only
BOX [[STEP](x1%,y1%)-[STEP](x2%,y2%)[, [color%][,F]]	Draws a box	Version 2.6 or later, standard edition only
BREAK	Lists or sets breakpoints	Version 1.0 or later, standard edition only
BREAK line[,line]...	Lists or sets breakpoints	Version 1.0 or later, standard edition only

BREAK [{line[-[line]]   -[line]}, {line[-[line]]   -[line]}...]	Lists or sets breakpoints	Version 1.2 or later, standard edition only
BREAK {ON   OFF}	Enables, disables or suspends BREAK key event trapping	
BREAK STOP	Enables, disables or suspends BREAK key event trapping	Version 2.0 or later, all editions
BREAKS	Lists breakpoints	Version 2.0 or later, standard edition only
BSAVE filespec\$	Saves a program	Version 1.4 or later, all editions
{BUILD   BU.} filespec\$	Creates a file	Version 1.5 or later, standard edition only
BYE	Exits NBASIC	
C. filespec1\$ TO filespec2\$	Copies a file to another file	Version 1.5 or later, all editions
C. line1 TO line2[,E]	Copies a line in the current program to another line	Version 1.5 or later, standard edition only
C. line1 {TO   ,} line2[,E]	Copies a line in the current program to another line	Version 2.0 or later, standard edition only
CALL CLEAR	Clears the screen	Version 1.4 or later, all editions
CALL CST(row%,column%,character-set %,character-expression[,foreground% [,background%]])	Displays characters using character set	Version 3.0 or later, all editions
CALL HCHAR(row%,column%,character\$ [,repeat%])	Displays a character	Version 2.0 or later, all editions
CALL SCREEN(color%)	Sets the screen display color	Version 1.4 or later, all editions
CALL SET(row%,column%,character\$ [,foreground%[,background%]])	Displays a character	Version 2.0 or later, all editions
CALL USR(address%,parameter#,variable)	Calls a USR function	Version 2.0 or later, all editions
CALL VCHAR(row%,column%,character\$ [,repeat%])	Displays a character	Version 1.4 or later, all editions
CALL VERSION(variable)	Gets the version	Version 2.0 or later, all editions
CALL XCH(row%,column%,character-expression[,foreground%[,background%]])	Displays extended characters	Version 2.1 or later, all editions

CALL XCH[AR](row%,column%,character-expression[,foreground%[,background%]])	Displays extended characters	Version 2.7 or later, all editions
CALL {XCH[AR]   EXT}(row%,column%,character-expression[,foreground%[,background%]])	Displays extended characters	Version 3.0 or later, all editions
CANCEL [[#]file%[,[#]file%]...]	Cancels one or more open files or the printer	Version 2.0 or later, all editions
CAT[ALOG]	Lists files on a volume	Version 1.1 or later, all editions
CAUSE ERROR error%	Simulates an occurrence of an error	Version 2.0 or later, all editions
CENTER	Centers the NBASIC application window on the desktop	Version 1.6 or later, all editions
CHAIN filespec\$	Transfers control from the current program to another program	
CHAIN filespec\$,line	Transfers control from the current program to another program	
CHKIO [line]-[line]]	Checks for lines in the current program that contain I/O statements or functions	Version 1.0 to 1.6, 2.2 or later, standard edition only
CHKIO [{line-[line]]   -[line]},{line-[line]]   -[line]}...]	Checks for lines in the current program that contain I/O statements or functions	Version 1.2 to 1.6, 2.2 or later, standard edition only
CHKLBL	Checks for lines in the current program that contain undefined labels	Version 2.5 or later, standard edition only
CHKREL {release%   version\$},{line-[line]]   -[line]}...]	Checks for lines in the current program that contain language features newer than the specified version	Version 2.3 or later, standard edition only
CHKSN [{line-[line]]   -[line]},{line-[line]]   -[line]}...]	Checks for lines in the current program that contain syntax errors	Version 2.0 or later, standard edition only
CHKSW [line]-[line]]	Checks for lines in the current program that contain non-shareware statements or functions	Version 1.0 or later, standard edition only
CHKSW [{line-[line]]   -[line]},{line-[line]]   -[line]}...]	Checks for lines in the current program that contain non-shareware statements or functions	Version 1.2 or later, standard edition only
CHKSYN [line]-[line]]	Checks for lines in the current program that contain syntax errors	Version 1.0 or later, standard edition only
CHKSYN [{line-[line]]   -[line]},{line-[line]]   -[line]}...]	Checks for lines in the current program that contain syntax errors	Version 1.2 or later, standard edition only

CHKUL [line]-[line]]	Checks for lines in the current program that contain undefined line numbers	Version 1.0 or later, standard edition only
CHKUL [{line}-[line]]   -[line]},{line}-[line]]   -[line]}}...]	Checks for lines in the current program that contain undefined line numbers	Version 1.2 or later, standard edition only
CHKVER	Determines the minimum version of NBASIC required to run the current program	Version 2.0 or later, all editions
CHORD (x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]]	Draws a chord	Version 1.0 or later, standard edition only
CHORD [STEP](x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]]	Draws a chord	Version 2.6 or later, standard edition only
CIRCLE (x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]]	Draws a circle	Version 1.0 or later, standard edition only
CIRCLE [STEP](x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]]	Draws a circle	Version 2.6 or later, standard edition only
CLEAR	Clears one or more array variables	
CLEAR variable[, variable]...	Clears one or more array variables	
CLG [color%]	Clears the graphics screen	Version 1.6 or later, standard edition only
CLIPBOARD\$=text\$	Copies text to the Windows clipboard	Version 1.6 or later, standard edition only
CLOSE	Closes one or more open files or the printer	
CLOSE #file%[, #file%]...	Closes one or more open files or the printer	
CLOSE [#]file%[, [#]file%]...	Closes one or more open files or the printer	Version 2.0 or later, all editions
CLOSE LOG	Closes the log file	Version 1.0 or later, standard edition only
CLOSE PRINTER	Closes the printer	Version 1.1 or later, standard edition only
CLR	Clears variables	Version 1.5 or later, all editions
CLR row%[, [column%][, [columns%][, rows%]]]	Clears rows	
CLS	Clears the screen	

CLS [{(color%)   color%}]	Clears the screen	Version 2.0 or later, all editions
CMD file%[,expression]	Copies screen output to a file	Version 1.5 or later, all editions
CMD [#]file%[,expression]	Copies screen output to a file	Version 2.0 or later, all editions
COLOR foreground%[,background%]	Sets the screen foreground and background colors	
COLOR {foreground%[,background%]   ,background%}	Sets the screen foreground and background colors	Version 2.3 or later, all editions
COLOR=foreground%	Sets the graphics foreground color	Version 1.0 or later, standard edition only
COMP file1\$,file2\$[,A][{D   O}][,skip1% [,skip2%]]]	Compares files	Version 2.6 or later, standard edition only
COMPACT	Compacts program memory	Version 2.0 or later, all editions
CONCAT filespec1\$ TO filespec2\$	Appends a file to another file	Version 1.5 or later, standard edition only
CONFIRM {ON   OFF}	Turns confirmation of statements that may erase data on or off	
CONT	Continues execution of the current program after a break	
CON[TINUE]	Continues execution of the current program after a break	Version 1.4 or later, all editions
COPY filespec1\$ TO filespec2\$	Copies a file to another file	
COPY line1 TO line2[,E]	Copies a line in the current program to another line	Version 1.0 or later, standard edition only
COPY line1 {TO   ,} line2[,E]	Copies a line in the current program to another line	Version 2.0 or later, standard edition only
CR. #file%,record%	Creates a record in a file	Version 1.5 or later, all editions
CR. [#]file%,record%	Creates a record in a file	Version 2.0 or later, all editions
CR. filespec\$	Creates a file	Version 1.5 or later, all editions
CREATE #file%,record%	Creates a record in a file	
CREATE [#]file%,record%	Creates a record in a file	Version 2.0 or later, all editions
CREATE filespec\$	Creates a file	
CURSOR {ON   OFF}	Turns the cursor on or off	

CV volume\$	Makes a specified volume the default volume	
DATA value[,value]...	Specifies values to be read by subsequent READ statements	
DEBUG {ON   OFF}	Turns debugging on or off	Version 1.0 or later, standard edition only
DEC variable[,variable]...	Decrements one or more numeric variables by 1	Version 1.0 or later, standard edition only
DEF DBL letter[-letter][,letter[-letter]]...	Defines variable type	Version 2.0 or later, all editions
DEF FN function[(parameterlist)]=expression	Defines a function	
DEF FN function[{{#   !   %   \$}} [(parameterlist)]=expression	Defines a function	Version 2.0 or later, all editions
DEF INT letter[-letter][,letter[-letter]]...	Defines variable type	Version 2.0 or later, all editions
DEF SNG letter[-letter][,letter[-letter]]...	Defines variable type	Version 2.0 or later, all editions
DEF STR letter[-letter][,letter[-letter]]...	Defines variable type	Version 2.0 or later, all editions
DEF USR[0-9]=address%	Defines a user function	
DEL {line[-line]}   -[line]}	Deletes lines from the current program	
DEL {line[-line]}   -[line]},{line[-line]}   -[line]}...	Deletes lines from the current program	Version 1.2 or later, all editions
DELETE #file%,record%	Deletes a record from a file	
DELETE [#]file%,record%	Deletes a record from a file	Version 2.0 or later, all editions
DELETE filespec\$	Deletes a file	Version 1.4 or later, all editions
DETACH {#file%   LPRINT}	Detaches screen output to a file	Version 1.5 or later, all editions
DETACH {[#]file%   LPRINT   PRINTER}	Detaches screen output to a file	Version 2.0 or later, all editions
DETACH {[#]file%   LOG   LPRINT   PRINTER}	Detaches screen output to a file	Version 3.0.2 or later, all editions
DIM array(subscripts)[,array(subscripts)]...	Declares an array	
DIR [filespec\$]	Lists files on a volume	
DIR [filespec\$],[[-]O][[-]P][[-]W]	Lists files on a volume	Version 2.0 or later, all editions



DIRCMD=/A[[:-]{H   R   S}] [/B] [/C] [/D] [/L] [/N] [/O[[:-]{N   E   S   D   C   A   W   M}]...] [/P] [[:-]R] [/T[[:-]{C   A   W   M}]] [/U] [/W] [/X] [/4]	Presets switches for the XDIR statement	Version 2.0 or later, standard edition only
DIRFMT=format%	Sets the format of the DIR and SEARCH statements	Version 3.0 or later, all editions
DIRR	Lists built-in programs	
DISPLAY [expression] [{,   ;   SPC([spaces%])   TAB([column%])} [expression]]...	Writes output to the screen	Version 1.5 or later, all editions
DLOAD filespec\$,variable	Loads a string from a file	Version 1.4 or later, all editions
DOS	Runs a program	Version 1.5 or later, all editions
DRAW commands\$	Draws objects	Version 1.0 or later, standard edition only
DSAVE filespec\$,string\$	Saves a string to a file	Version 1.4 or later, all editions
DUMP filespec\$[,format]	Displays the contents of a file	
ECHO[.E] expression[,expression]...[:]	Writes output to the screen	Version 2.9 or later, all editions
EDIT line	Edits a line in the current program	
EDIT {line[-[line]]   -[line]},{line[-[line]]   -[line]}...	Edits lines in the current program	Version 1.4 or later, all editions
EDIT string\$[,{line[-[line]]   -[line]}]...	Edits lines that contain a search string	Version 2.5.4 or later, standard edition only
EDIT DATA [{line[-[line]]   -[line]},{line[-[line]]   -[line]}]...	Edits lines that contain DATA statements	Version 2.5 or later, all editions
EDIT {SYN[TAX[ERRORS]]   SN}	Edits lines that contain syntax errors	Version 2.5.4 or later, all editions
END	Ends a program	
ERASE	Deletes one or more array variables	
ERASE variable[,variable]...	Deletes one or more array variables	
ERROR error%	Simulates an occurrence of an error	
EXC variable1,variable2	Exchanges the contents of a variable with another variable of the same type	Version 2.0 or later, standard edition only

EXEC address%	Executes an internal routine	
EXIT	Exits NBASIC	
{FASTFORWARD   FASTFWD}	Fast forwards one or more open files	Version 2.0 or later, all editions
{FASTFORWARD   FASTFWD} [#]file%[,[#]file%]...	Fast forwards one or more open files	Version 2.0 or later, all editions
FIELD #file%,width% AS variable[,width% AS variable]...	Allocates space for variables in a random access file buffer	
FIELD [#]file%,width% AS variable[,width% AS variable]...	Allocates space for variables in a random access file buffer	Version 2.0 or later, all editions
FILES [filespec\$]	Lists files on a volume	
FILL character\$,row%[, [column%][, [column%][,rows%]]]	Fills a row with a character	Version 1.0 or later, standard edition only
FIND string\$[, {line-[line]}   -[line]]	Finds a string in the current program	Version 1.1 or later, standard edition only
FIND string\$[, {line-[line]}   -[line]]...	Finds a string in the current program	Version 1.2 or later, standard edition only
FLUSH	Writes the contents of the file buffer of one or more open files to disk	
FLUSH #file%[,#file%]...	Writes the contents of the file buffer of one or more open files to disk	
FLUSH [#]file%[,[#]file%]...	Writes the contents of the file buffer of one or more open files to disk	Version 2.0 or later, all editions
FONT size%[,R]	Changes the font size	Version 1.0 or later, standard edition only
FOR counter=start TO end [STEP increment]	Repeats a block of statements a specified number of times	
FOR counter=start TO end [STEP increment] [,counter=start TO end [STEP increment]]...	Repeats a block of statements a specified number of times	Version 2.0 or later, all editions
FOR counter=start [DOWN]TO end [STEP increment][,counter=start [DOWN]TO end [STEP increment]]...	Repeats a block of statements a specified number of times	Version 2.2 or later, all editions
FORMAT {LOCATE   @}	Formats the current program	Version 2.1 or later, standard edition only

FORMAT {[NO]CAP   [NO]LET}	Formats the current program	Version 1.4 or later, standard edition only
FORMAT {PRINT   ?}	Formats the current program	Version 2.0 or later, standard edition only
FORMAT {REM   ' }	Formats the current program	Version 2.1 or later, standard edition only
FRAME row%,column%,columns%,rows%[, [style%][,color%]]	Draws a frame	
FRE	Initializes the run-time environment	Version 1.4 or later, all editions
GCOL foreground%[,background%]	Sets the graphics colors	Version 1.6 or later, standard edition only
GET #file%,record%	Reads a record from a random access file into a file buffer	
GET [#]file%,record%	Reads a record from a random access file into a file buffer	Version 2.0 or later, all editions
GET (x1%,y1%)-(x2%,y2%),array	Captures a graphics screen image	Version 1.0 or later, standard edition only
GET [STEP](x1%,y1%)-[STEP] (x2%,y2%),array	Captures a graphics screen image	Version 2.6 or later, standard edition only
GET variable	Inputs a single character from the keyboard	Version 1.4 or later, all editions
GO IF condition%,line	Transfers execution to another line depending on specified condition	
GO IF condition%,line1[,line2]	Transfers execution to another line depending on specified condition	Version 2.0 or later, all editions
GOSUB line	Transfers control of the current program to a subroutine	
GOSUB (expression%)	Transfers control of the current program to a subroutine	Version 2.0 or later, all editions
GOSUB TIMER	Transfers control of the current program to the timer event handling routine	Version 2.0 or later, all editions
GOTO line	Transfers control of the current program to a specified line	
GOTO (expression%)	Transfers control of the current program to a specified line	Version 2.0 or later, all editions
GOTO TIMER	Transfers control of the current program to the timer event handling routine	
GR	Turns graphics on	Version 1.4 or later, standard edition only

GRAPH {[ON]   OFF}	Turns graphics on or off	Version 1.0 or later, standard edition only
H. [topic\$]	Displays help	Version 1.5 or later, all editions
HCIRCLE (x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]	Draws a circle	Version 1.5 or later, standard edition only
HCIRCLE [STEP](x%,y%),radius%[, [color%][, [start#][, [end#][, [aspect#][, F]]]]	Draws a circle	Version 2.6 or later, standard edition only
HCLS [color%]	Clears the graphics screen	Version 1.5 or later, standard edition only
HCOLOR foreground%[, background%]	Sets the graphics colors	Version 1.5 or later, standard edition only
HCOLOR {foreground%[, background%]   , background%}	Sets the graphics colors	Version 2.3 or later, standard edition only
HCOLOR=foreground%	Sets the graphics colors	Version 1.4 or later, standard edition only
HDRAW commands\$	Draws objects	Version 1.5 or later, standard edition only
HEAD filespec\$[, [lines%][, {N   R   Z}]]	Displays first lines of a file	Version 2.6 or later, standard edition only
HELP [topic\$]	Displays help	
HGET (x1%,y1%)-(x2%,y2%),variable	Captures a graphics screen image	Version 1.5 or later, standard edition only
HGR	Turns graphics on	Version 1.4 or later, standard edition only
HGR2	Turns graphics on	Version 1.4 or later, standard edition only
HLIN x1%,x2% AT y%	Draws a horizontal line	Version 1.4 or later, standard edition only
HLINE [(x1%,y1%)-(x2%,y2%)[, [color%] [, B[F]]]	Draws a line	Version 1.5 or later, standard edition only
HLINE [[STEP](x1%,y1%)-[STEP](x2%,y2%)[, [color%][, B[F]]]	Draws a line	Version 2.6 or later, standard edition only
HOME	Clears the screen	
HPAINT (x%,y%)[, [color%][, border%]	Fills a graphics area with a color	Version 1.5 or later, standard edition only
HPAINT [STEP](x%,y%)[, [color%][, border%]	Fills a graphics area with a color	Version 2.6 or later, standard edition only

HPlot x%,y%	Draws a point or one or more lines	Version 1.4 or later, standard edition only
HPlot [TO] x1%,y1% [TO x2%,y2%]...	Draws a point or one or more lines	Version 1.4 or later, standard edition only
HPUT (x1%,y1%)-(x2%,y2%),variable[, {AND   OR   PSET   PRESET   XOR}]	Displays a graphics screen image	Version 1.5 or later, standard edition only
HRESET (x%,y%)[,color%]	Draws a point	Version 1.5 or later, standard edition only
HRESET [STEP](x%,y%)[,color%]	Draws a point	Version 2.6 or later, standard edition only
HSCROLL row%,column%,columns%,rows% [,horizontal%]	Scrolls columns left or right	Version 1.0 or later, standard edition only
HSET (x%,y%)[,color%]	Draws a point	Version 1.5 or later, standard edition only
HSET [STEP](x%,y%)[,color%]	Draws a point	Version 2.6 or later, standard edition only
HTAB column%	Moves the cursor to a specified position on the screen	Version 1.4 or later, all editions
ICOLOR (x1%,y1%)-(x2%,y2%),array[, [start%] [,end%]]	Changes colors of a rectangular area of the graphics screen	Version 2.6.1 or later, standard edition only
ICOLOR [STEP](x1%,y1%)-[STEP] (x2%,y2%),array[, [start%][,end%]]	Changes colors of a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
ICOLOR2 (x1%,y1%),width%,height%,array[, [start%][,end%]]	Changes colors of a rectangular area of the graphics screen	Version 2.6.1 or later, standard edition only
ICOLOR2 [STEP](x1%,y1%),width%,height % ,array[, [start%][,end%]]	Changes colors of a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
ICOPY (x1%,y1%)-(x2%,y2%) {TO   ,} (x3%,y3%)	Copies a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
ICOPY [STEP](x1%,y1%)-[STEP](x2%,y2%) {TO   ,} [STEP](x3%,y3%)	Copies a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
ICOPY2 (x1%,y1%),width%,height% {TO   ,} (x2%,y2%)	Copies a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
ICOPY2 [STEP](x1%,y1%),width%,height% {TO   ,} [STEP](x2%,y2%)	Copies a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only

ICOPYS (x1%,y1%)-(x2%,y2%),source% {TO   ,} (x3%,y3%),destination%	Copies a rectangular area from one graphics screen to another	Version 2.6.2 or later, standard edition only
ICOPYS2 (x1%,y1%),width%,height%,source% {TO   ,} (x2%,y2%),destination%	Copies a rectangular area from one graphics screen to another	Version 2.6.2 or later, standard edition only
IF condition% GOSUB line [ELSE {line   statement[:statement]...}] [END IF]	Executes one or more statements depending on specified condition	
IF condition% GOTO line [ELSE {line   statement[:statement]...}] [END IF]	Executes one or more statements depending on specified condition	
IF condition% THEN {line   statement[:statement]...} [ELSE {line   statement[:statement]...}] [END IF]	Executes one or more statements depending on specified condition	
IFLIP (x1%,y1%)-(x2%,y2%),{H   V   HV}	Flips a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
IFLIP [STEP](x1%,y1%)-[STEP](x2%,y2%),{H   V   HV}	Flips a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IFLIP2 (x%,y%),width%,height%,{H   V   HV}	Flips a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
IFLIP2 [STEP](x%,y%),width%,height%,{H   V   HV}	Flips a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IINVERT (x1%,y1%)-(x2%,y2%),[,pattern%]	Changes colors of a rectangular area of the graphics screen	Version 2.6.1 or later, standard edition only
IINVERT [STEP](x1%,y1%)-[STEP](x2%,y2%) [,pattern%]	Changes colors of a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IINVERT2 (x1%,y1%),width%,height%[,pattern%]	Changes colors of a rectangular area of the graphics screen	Version 2.6.1 or later, standard edition only
IINVERT2 [STEP](x1%,y1%),width%,height% [,pattern%]	Changes colors of a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IMOVE (x1%,y1%)-(x2%,y2%) {TO   ,} (x3%,y3%),[,color%]	Moves a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
IMOVE [STEP](x1%,y1%)-[STEP](x2%,y2%) {TO   ,} [STEP](x3%,y3%),[,color%]	Moves a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IMOVE2 (x1%,y1%),width%,height% {TO   ,} (x2%,y2%),[,color%]	Moves a rectangular area of the graphics screen	Version 2.6 or later, standard edition only

MOVE2 [STEP](x1%,y1%),width%,height% {TO   ,} [STEP](x2%,y2%)[,color%]	Moves a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
INC variable[,variable]...	Increments one or more numeric variables by 1	Version 1.0 or later, standard edition only
INIT	Initializes the run-time environment	
INPUT [;] ["prompt"{};   ,}] variable[,variable]...	Reads input from the keyboard	
INPUT #file%,variable[,variable]...	Reads input from a file	
INS line[,line]...	Inserts lines into the current program	Version 1.6 or later, all editions
INSERT #file%,record%	Inserts a record in a file	
INVERSE {ON   OFF}	Turns inverse on or off	
INVERSE {[ON]   OFF}	Turns inverse on or off	Version 1.4 or later, all editions
INVERT row%[,,[column%][,[columns%][,[rows %]]]	Inverts a row	
IROTATE (x1%,y1%)-(x2%,y2%),turns%	Rotates a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
IROTATE [STEP](x1%,y1%)-[STEP] (x2%,y2%),turns%	Rotates a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
IROTATE2 (x%,y%),width%,height%,turns%	Rotates a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
IROTATE2 [STEP](x%,y%),width%,height %%,turns%	Rotates a rectangular area of the graphics screen	Version 2.6.2 or later, standard edition only
K. filespec\$	Deletes a file	Version 1.5 or later, all editions
KILL #file%	Closes and deletes an open file	Version 1.1 or later, all editions
KILL filespec\$	Deletes a file	
L. filespec\$[,R]	Loads a program	Version 1.5 or later, all editions
L.?	Loads a program	Version 2.0 or later, standard edition only
LCLOSE	Closes the printer	Version 1.6 or later, standard edition only
LCOLOR foreground%[,background%]	Sets the printer foreground and background text colors	Version 2.0 or later, standard edition only

LEFT\$(variable[,length%])=string\$	Assigns part of a string variable to another string	Version 1.0 or later, standard edition only
[LET] variable=expression[,variable=expression]...	Assigns the value of an expression to a variable	
LFONT size%	Changes the printer font size	Version 2.4 or later, standard edition only
LI. [{line[-[line]]   -[line]},{line[-[line]]   -[line]}...]	Displays lines in the current program	Version 2.0 or later, all editions
LINE [(x1%,y1%)-(x2%,y2%)[, [color%][,B[F]]]	Draws a line	Version 1.0 or later, standard edition only
LINE [[STEP](x1%,y1%)-[STEP](x2%,y2%)[, [color%][,B[F]]]	Draws a line	Version 2.6 or later, standard edition only
LINE EDIT[(string\$) ["prompt"{;   ,}] variable	Edits a string	Version 1.2 or later, all editions
LINE EDIT[(string\$) [;] ["prompt"{;   ,}] variable	Edits a string	Version 2.6 or later, all editions
LINE INPUT ["prompt"{;   ,}] variable	Reads input from the keyboard	
LINE INPUT [;] ["prompt"{;   ,}] variable	Reads input from the keyboard	Version 2.6 or later, all editions
LINE INPUT #file%,variable	Reads input from a file	
LINPUT [;] ["prompt"{;   ,}] variable	Reads input from the keyboard	Version 3.0.3 or later, all editions
LINPUT #file%,variable	Reads input from a file	Version 3.0.3 or later, all editions
LINES	Displays the number of lines in the current program	
LIST [line[-[line]]	Displays lines in the current program	
LIST [{line[-[line]]   -[line]},{line[-[line]]   -[line]}...]	Displays lines in the current program	Version 1.2 or later, all editions
LIST DATA [{line[-[line]]   -[line]},{line[-[line]]   -[line]}...]	Displays lines that contain DATA statements in the current program	Version 2.3 or later, all editions
LIST REM [{line[-[line]]   -[line]},{line[-[line]]   -[line]}...]	Displays lines that contain REM statements in the current program	Version 2.3 or later, all editions
LISTC [lines%][,skip%]	Lists a program from the clipboard	Version 3.0 or later, standard edition only
LISTF filespec\$[, [lines%][,skip%]]	Lists a program from a file	Version 2.7 or later, standard edition only



LL?	Loads a program	Version 2.0 or later, standard edition only
LLIST [line]-[line]	Prints lines in the current program to the printer	Version 1.1 or later, standard edition only
LLIST [{line-[line]}   -[line]},{line-[line]}   -[line]}...]	Displays lines in the current program	Version 1.2 or later, standard edition only
LOAD filespec\$,R]	Loads a program	
LOAD?	Loads a program	Version 1.1 or later, standard edition only
LOADC[,R]	Loads a program from the Windows clipboard	Version 1.0 or later, standard edition only
LOADR program\$,R]	Loads a built-in program	
LOCAL variable[,variable]...	Declares local variables in a subroutine	Version 2.6 or later, all editions
{LOCATE   @} row%,column%	Moves the cursor to a specified position on the screen	
LOCK #0	Locks the text screen	
LOCK [#]0]	Locks the text screen	Version 2.0 or later, all editions
LOG [TO] filespec\$,A]	Opens a log file	Version 1.0 or later, standard edition only
LOG OFF	Turns logging off and closes the log file	Version 1.0 or later, standard edition only
LOG ON	Turns logging on	Version 1.0 or later, standard edition only
LOG STOP	Turns logging off	Version 1.0 or later, standard edition only
LOPEN[(printer\$)],{L   P}]	Opens a printer	Version 1.6 or later, standard edition only
LOPEN[=[printer\$)],{L   P}]	Opens a printer	Version 1.6 or later, standard edition only
LPRINT [expression] [{,   ;   SPC([spaces%])   TAB([column%])} [expression]]...	Writes output to the printer	Version 1.1 or later, standard edition only
LPRINT USING format\$; expression[,expression]...[:]	Writes output to the printer	Version 1.1 or later, standard edition only
LSET variable=expression	Left justifies data in the field variable and moves the data into the file buffer or in a string variable	

LSET variable=expression[,variable=expression]...	Left justifies data in the field variable and moves the data into the file buffer or in a string variable	Version 2.0 or later, all editions
M. filespec1\$ TO filespec2\$	Moves a file to another file	Version 1.5 or later, all editions
M. line1 TO line2[,E]	Moves a line in the current program to another line	Version 1.5 or later, standard edition only
M. line1 {TO   ,} line2[,E]	Moves a line in the current program to another line	Version 2.0 or later, standard edition only
MAP "volumespec"	Displays mapped volume folders	Version 2.6 or later, all editions
MAT array={CON   IDN   ZER}[(size%[,size%])]	Initializes a numeric array	Version 2.8 or later, standard edition only
MAT array=NUL\$[(size%[,size%])]	Initializes a string array	Version 2.8 or later, standard edition only
MAT array=array [{+   -   *} array]	Adds, subtracts or multiplies numeric arrays	Version 2.8 or later, standard edition only
MAT array=array * array [* array]...	Multiplies numeric arrays	Version 2.8 or later, standard edition only
MAT array=(number) * array	Performs scalar multiplication of a numeric array	Version 2.8 or later, standard edition only
MAT array={INV   TRN}(array)	Inverts or transposes a numeric array	Version 2.8 or later, standard edition only
MAT INPUT [#file%,] array[(size%[,size%])][,array[(size%[,size%])]]...	Inputs one- and two-dimensional arrays from the keyboard or a file	Version 2.8 or later, standard edition only
MAT LINPUT [#file%,] array[(size%[,size%])][,array[(size%[,size%])]]...	Inputs one- and two-dimensional string arrays from the keyboard or a file	Version 2.8 or later, standard edition only
MAT LPRINT [USING format\$;] array[(size%[,size%])][{,   ;}array[(size%[,size%])]]...[{,   ;}]	Prints one- and two-dimensional arrays to the printer	Version 3.0 or later, standard edition only
MAT PRINT [#file%,] [USING format\$;] array[(size%[,size%])][{,   ;}array[(size%[,size%])]]...[{,   ;}]	Prints one- and two-dimensional arrays to the screen, a file or the printer	Version 2.8 or later, standard edition only
MAT READ array[(size%[,size%])][,array[(size%[,size%])]]...	Reads one- and two-dimensional arrays from DATA statements	Version 2.8 or later, standard edition only
MAXFILES files%	Limits the number of open files	Version 1.6 or later, all editions
ME. filespec\$[,new[,increment]]	Merges a program with the current program	Version 1.5 or later, all editions
MERGE filespec\$[,new[,increment]]	Merges a program with the current program	

MERGE [ ,new[,increment]]	Merges a program from the Windows clipboard with the current program	Version 2.0 or later, standard edition only
MID\$(variable,start%[,length%])=string\$	Assigns part of a string variable to another string	
MID[DLE] line[,count%]	Displays lines in the current program	Version 2.2 or later, all editions
MID[DLE] line[,count%][,{A   B   C}]	Displays lines in the current program	Version 2.3 or later, all editions
MOVE filespec1\$ TO filespec2\$	Moves a file to another file	
MOVE line1 TO line2[,E]	Moves a line in the current program to another line	Version 1.0 or later, standard edition only
MOVE line1 {TO   ,} line2[,E]	Moves a line in the current program to another line	Version 2.0 or later, standard edition only
NAME filespec1\$ AS filespec2\$	Renames a file	
NEW	Erases the current program	
NEW!	Erases the current program	Version 2.6 or later, all editions
NEXT [counter[,counter]...]	Increments and tests the variable in a FOR loop	
NOBREAK	Clears breakpoints	Version 1.0 or later, standard edition only
NOBREAK line[,line]...	Clears breakpoints	Version 1.0 or later, standard edition only
NOBREAK [{line[-[line]]   -[line]},{line[-[line]]   -[line]}...]	Clears breakpoints	Version 1.2 or later, standard edition only
NOINVERSE	Turns inverse off	Version 1.5 or later, all editions
NOREVERSE	Turns inverse off	Version 1.5 or later, all editions
NORMAL	Turns inverse off	Version 1.4 or later, all editions
NOTRACE	Disables tracing of program	Version 1.4 or later, all editions
NUM[BER] [initial[,increment]]	Turns automatic line numbering on	Version 1.4 or later, standard edition only
OLD [filespec\$]	Loads a program or restores a program	
ON BREAK GOSUB line	Enables BREAK key trapping and when the BREAK key is pressed transfers control to a BREAK key handling routine or suspends BREAK key trapping	

ON BREAK GOSUB 0	Disables BREAK key trapping	
ON ERROR GOTO line	Enables error handling and when a run-time error occurs transfers control to an error handling routine or resumes execution or suspends error handling	
ON ERROR GOTO 0	Disables error handling	
ON ERROR RESUME NEXT	Enables error handling and when a run-time error occurs transfers control to an error handling routine or resumes execution or suspends error handling	
ON expression% GOSUB line[,line]...	Transfers control of the current program to one of several subroutines based on the value of an expression	
ON expression% GOTO line[,line]...	Transfers control of the current program to one of several lines based on the value of an expression	
ON TIMER[(interval%)] GOSUB line	Enables timer event trapping and when a timer event occurs transfers control to a timer event handling routine or suspends timer event trapping	
ON TIMER GOSUB 0	Disables timer event trapping	
ONERR GOTO line	Enables error handling and when a run-time error occurs transfers control to an error handling routine	Version 2.2 or later, all editions
ONERR GOTO 0	Disables error handling	Version 2.2 or later, all editions
OPEN filespec\$ FOR {APPEND   INPUT   OUTPUT   RANDOM} AS #file% [LEN=length %]	Opens a file	
OPEN filespec\$ FOR {APPEND   INPUT   OUTPUT   RANDOM} AS [#]file% [LEN=length %]	Opens a file	Version 2.0 or later, all editions
OPEN mode\$,#file%,filespec\$[,length%]	Opens a file	
OPEN mode\$,[#]file%,filespec\$[,length%]	Opens a file	Version 2.0 or later, all editions
OPEN LOG [=] filespec\$[,A]	Opens a file and begins logging screen output to the log file	Version 1.0 or later, standard edition only
OPEN PRINTER[{{(printer\$)}   {[=]printer\$}}][,L   P}]	Opens a printer	Version 1.1 or later, standard edition only

OPEN PRINTER[{{(printer\$)}   {[=]printer\$}}][,{P   L},{, [JOB=]name\$}   {, [JOB=]name\$}]	Opens a printer	Version 2.4 or later, standard edition only
OPTION BASE {0   1}	Specifies the base index of arrays	Version 1.2 or later, all editions
OPTION EXPLICIT	Specifies that arrays must be explicitly created	Version 1.2 or later, all editions
P.?	Sets the current printer	Version 2.0 or later, standard edition only
PACTIVE [buffer%]	Sets the active graphics buffer	Version 2.0 or later, standard edition only
PAINT (x%,y%)[, [color%][, border%]]	Fills a graphics area with a color	Version 1.0 or later, standard edition only
PAINT [STEP](x%,y%)[, [color%][, border%]]	Fills a graphics area with a color	Version 2.6 or later, standard edition only
PALETTE palette%[[, foreground%][, background%]]	Sets the color palette	Version 3.0 or later, standard edition only
PAUSE [duration%]	Pauses a program	Version 1.0 or later, standard edition only
PCLEAR buffers%	Turns graphics on or off	Version 2.0 or later, standard edition only
PCLR (x1%,y1%)-(x2%,y2%)[, color%]	Clears a rectangular area of the graphics screen	Version 1.0 or later, standard edition only
PCLR [STEP](x1%,y1%)-[STEP](x2%,y2%)[, color%]	Clears a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
PCLR2 (x%,y%),width%,height%[, color%]	Clears a rectangular area of the graphics screen	Version 2.3 or later, standard edition only
PCLR2 [STEP](x%,y%),width%,height%[, color %]	Clears a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
PCLS [color%]	Clears the graphics screen	Version 1.0 or later, standard edition only
PCOLOR foreground%[, background%]	Sets the graphics colors	Version 1.0 or later, standard edition only
PCOLOR {foreground%[, background%]   , background%}	Sets the graphics colors	Version 2.3 or later, standard edition only
PCOPY [buffer1% {TO   ,} buffer2%]	Copies a graphics buffer to another buffer	Version 2.0 or later, standard edition only
PCP	Displays the current printer	Version 1.2 or later, standard edition only
PDISPLAY [buffer%]	Sets the display graphics buffer	Version 2.0 or later, standard edition only

PDV	Displays the default volume	
PFLIP	Flips the active and display graphics buffers	Version 2.0 or later, standard edition only
PFONT size%	Changes the graphics font size	Version 1.0 or later, standard edition only
PIE (x%,y%),radius%[,color%][,start#][,end#][,aspect#][,F]]	Draws a pie	Version 1.0 or later, standard edition only
PIE [STEP](x%,y%),radius%[,color%][,start#][,end#][,aspect#][,F]]	Draws a pie	Version 2.6 or later, standard edition only
PLOCK	Locks the graphics screen	Version 2.0 or later, standard edition only
PLOT x%,y%	Draws a point	Version 1.4 or later, standard edition only
POKE address%,value%	Writes a byte value to a memory location	
POP	Removes a return address from the call stack	
PP?	Sets the current printer	Version 2.0 or later, standard edition only
PPRINT (x%,y%)[,color%][,mode%][,angle%][,horizontal%][,vertical%]]]; [expression] [{,   ;   SPC([spaces%])} [expression]]...	Writes output to the graphics screen	Version 1.0 or later, standard edition only
PPRINT (x%,y%)[,color%][,mode%][,angle%][,horizontal%][,vertical%]]]; USING format\$; expression[,expression]...	Writes output to the graphics screen	Version 1.0 or later, standard edition only
PPRINT [STEP](x%,y%)[,color%][,mode%][,angle%][,horizontal%][,vertical%]]]; [expression] [{,   ;   SPC([spaces%])} [expression]]...	Writes output to the graphics screen	Version 2.6 or later, standard edition only
PPRINT [STEP](x%,y%)[,color%][,mode%][,angle%][,horizontal%][,vertical%]]]; USING format\$; expression[,expression]...	Writes output to the graphics screen	Version 2.6 or later, standard edition only
PR. [@row%,column%;] [[expression] [{<space>   ,   ;   CLR(foreground% [,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)}[expression]]]	Writes output to the screen, a file or the printer	Version 2.0 or later, all editions

PR. [@row%,column%;] [[expression] [ [<space>   ,   ;   AT(row%,column%)   CLR(foreground%[,background%)]   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)]expression]]]	Writes output to the screen, a file or the printer	Version 2.2 or later, all editions
PR. #file%[[expression][<space>   ,   ;   CLR(foreground%[,background%)]   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)]expression]]]	Writes output to the screen, a file or the printer	Version 2.0 or later, all editions
PR. #file%[[expression][<space>   ,   ;   AT(row%,column%)   CLR(foreground% [,background%)]   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces %])   TAB([tab%])   XCH(expression[,expression]...)]expression]]]	Writes output to the screen, a file or the printer	Version 2.2 or later, all editions
PR. [{@row%,column%;}   {@@position%,}] [[expression][<space>   ,   ;   AT(row%,column %)   AT2(position%)   CLR(foreground% [,background%)]   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces %])   TAB([tab%])   XCH(expression[,expression]...)]expression]]]	Writes output to the screen, a file or the printer	Version 2.8.5 or later, all editions
PR. [{@row%,column%;}   {@@position%,}] [[expression][<space>   ,   ;   AT(row%,column %)   AT2(position%)   CLR(foreground% [,background%)]   EOL([character\$])   ERS([count%])   NOV()   REV()   RST()   SAV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)]expression]]]	Writes output to the screen, a file or the printer	Version 2.8.6 or later, all editions

PR. [{@row%,column%;}   {@@position%,}] [[expression]][{<space>   ,   ;   ANSI()   AT(row%,column%)   AT2(position%)   CLR(foreground%[,background%])   CST(charset%,expression[,expression]...)   EOL([character\$])   ERS([count%])   NOV()   OEM()   REV()   RST()   SAV()   SEL(charset%)   SPC([spaces%])   TAB([tab%])   UTF8(string\$)   {XCH   EXT} (expression[,expression]...)}[expression]]]	Writes output to the screen, a file or the printer	Version 3.0 or later, all editions
PR. #file%[, [[expression]][{<space>   ,   ;   ANSI()   AT(row%,column%)   CLR(foreground%[,background%])   CST(charset%,expression[,expression]...)   EOL([character\$])   ERS([count%])   NOV()   OEM()   REV()   SEL(charset%)   SPC([spaces%])   TAB([tab%])   UTF8(string\$)   {XCH   EXT}(expression[,expression]...)}[expression]]]]]	Writes output to the screen, a file or the printer	Version 3.0 or later, all editions
PR. [#file%,] USING format\$; expression[,expression]...[;]	Writes output to the screen, a file or the printer	Version 2.0 or later, all editions
PRESET (x%,y%)[,color%]	Draws a point	Version 1.0 or later, standard edition only
PRESET [STEP](x%,y%)[,color%]	Draws a point	Version 2.6 or later, standard edition only
PRINT   ?} [@row%,column%;] [[expression] [{<space>   ,   ;   EOL(character\$)   ERS(count%)   SPC([spaces%])   TAB([tab%])}] [expression]]]	Writes output to the screen, a file or the printer	
{PRINT   ?} #file%[, [[expression]][{<space>   ,   ;   EOL(character\$)   ERS(count%)   SPC([spaces%])   TAB([tab%])}] [expression]]]]]	Writes output to the screen, a file or the printer	
PRINT   ?} [@row%,column%;] [[expression] [{<space>   ,   ;   ANSI   EOL(character\$)   ERS(count%)   OEM   SEL(charset%)   SPC([spaces%])   TAB([tab%])}] [expression]]]	Writes output to the screen, a file or the printer	Version 1.2 to 1.6, all editions
{PRINT   ?} #file%[, [[expression]][{<space>   ,   ;   ANSI   EOL(character\$)   ERS(count%)   OEM   SEL(charset%)   SPC([spaces%])   TAB([tab%])}] [expression]]]]]	Writes output to the screen, a file or the printer	Version 1.2 to 1.6, all editions



<pre>{PRINT   ?} [@row%,column%;] [[expression] [&lt;space&gt;   ,   ;   CLR(foreground% [,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces %])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.0 or later, all editions
<pre>{PRINT   ?} [@row%,column%;] [[expression] [&lt;space&gt;   ,   ;   AT(row%,column%)   CLR(foreground%[,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.2 or later, all editions
<pre>{PRINT   ?} #file%[, [[expression][&lt;space&gt;   ,   ;   CLR(foreground%[,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.0 or later, all editions
<pre>{PRINT   ?} #file%[, [[expression][&lt;space&gt;   ,   ;   AT(row%,column%)   CLR(foreground% [,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces %])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.2 or later, all editions
<pre>{PRINT   ?} [[@row%,column%;]   [@@position%,] ] [[expression][&lt;space&gt;   ,   ;   AT(row%,column%)   AT2(position%)   CLR(foreground%[,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.8.5 or later, all editions
<pre>{PRINT   ?} [[@row%,column%;]   [@@position%,] ] [[expression][&lt;space&gt;   ,   ;   AT(row%,column%)   AT2(position%)   CLR(foreground%[,background%])   EOL([character\$])   ERS([count%])   NOV()   REV()   RST()   SAV()   SPC([spaces%])   TAB([tab%])   XCH(expression[,expression]...)] [expression]]]</pre>	Writes output to the screen, a file or the printer	Version 2.8.6 or later, all editions

<code>{PRINT   ?} [{@row%,column%;}   {@@position%,}] [[expression][{&lt;space&gt;   ,   ;   ANSI()   AT(row%,column%)   AT2(position%)   CLR(foreground%[,background%)]   CST(charset%,expression[,expression]... )   EOL([character\$)]   ERS([count%)]   NOV()   OEM()   REV()   RST()   SAV()   SEL(charset %)   SPC([spaces%])   TAB([tab%)]   UTF8(string\$)   {XCH   EXT} (expression[,expression]...)]{expression}]</code>	Writes output to the screen, a file or the printer	Version 3.0 or later, all editions
<code>{PRINT   ?} #file%[, [[expression][{&lt;space&gt;   ,   ;   ANSI()   AT(row%,column%)   CLR(foreground%[,background%)]   CST(charset%,expression[,expression]... )   EOL([character\$)]   ERS([count%)]   NOV()   OEM()   REV()   SEL(charset%)   SPC([spaces %)   TAB([tab%)]   UTF8(string\$)   {XCH   EXT}(expression[,expression]...)]{expression}]</code>	Writes output to the screen, a file or the printer	Version 3.0 or later, all editions
<code>{PRINT   ?} [#file%,] USING format\$; expression[,expression]...[;]</code>	Writes output to the screen, a file or the printer	
<code>PRINTER=printer\$</code>	Sets the current printer	Version 1.1 or later, standard edition only
<code>PRINTER[=]printer\$</code>	Sets the current printer	Version 2.0 or later, standard edition only
<code>PRINTER?</code>	Sets the current printer	Version 1.1 or later, standard edition only
<code>PRINTERS</code>	Lists available printers	Version 1.2 or later, standard edition only
<code>PRO. {[line[-[line]]   -[line]},{line[-[line]]   - [line]}...]</code>	Displays the execution profile of the current program or turns profiling on or off	Version 2.0 or later, standard edition only
<code>PRO. {ON   OFF}</code>	Displays the execution profile of the current program or turns profiling on or off	Version 2.0 or later, standard edition only
<code>PROFILE [line][-[line]]</code>	Displays the execution profile of the current program or turns profiling on or off	Version 1.0 or later, standard edition only
<code>PROFILE {[line[-[line]]   -[line]},{line[-[line]]   - [line]}...]</code>	Displays the execution profile of the current program or turns profiling on or off	Version 1.2 or later, standard edition only
<code>PROFILE {ON   OFF}</code>	Displays the execution profile of the current program or turns profiling on or off	Version 1.2 or later, standard edition only

PROF[ILE] [{line-[line]}   -[line]][, {line-[line]}   -[line]]...	Displays the execution profile of the current program or turns profiling on or off	Version 2.0 or later, standard edition only
PROF[ILE] {ON   OFF}	Displays the execution profile of the current program or turns profiling on or off	Version 2.0 or later, standard edition only
PROMPT prompt\$	Changes the prompt	Version 1.0 or later, standard edition only
PROTECT {ON   OFF}	Turns secure mode on or off	Version 1.6 or later, all editions
PSCREEN {active%[,display%]   ,display%}	Sets the active and display graphics buffers	Version 2.0 or later, standard edition only
PSCROLL (x1%,y1%)-(x2%,y2%),horizontal%[,vertical%[,color%]]	Scrolls a rectangular area of the graphics screen	Version 2.3 or later, standard edition only
PSCROLL [STEP](x1%,y1%)-[STEP](x2%,y2%),horizontal%[,vertical%[,color%]]	Scrolls a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
PSCROLL2 (x%,y%),width%,height%[,horizontal%[,vertical%[,color%]]]	Scrolls a rectangular area of the graphics screen	Version 2.3 or later, standard edition only
PSCROLL2 [STEP](x%,y%),width%,height%[,horizontal%[,vertical%[,color%]]]	Scrolls a rectangular area of the graphics screen	Version 2.6 or later, standard edition only
PSET (x%,y%)[,color%]	Draws a point	Version 1.0 or later, standard edition only
PSET [STEP](x%,y%)[,color%]	Draws a point	Version 2.6 or later, standard edition only
PSWAP	Swaps the contents of the active and display graphics buffers	Version 2.0 or later, standard edition only
PUNLOCK	Unlocks the graphics screen	Version 2.0 or later, standard edition only
PUSH [line]	Places a return address on the call stack	
PUT #file%,record%	Writes a random access buffer to a file	
PUT [#]file%,record%	Writes a random access buffer to a file	Version 2.0 or later, all editions
PUT (x1%,y1%)-(x2%,y2%),array[, {AND   OR   PRESET   PSET   XOR}]	Displays a graphics screen image	Version 1.0 or later, standard edition only
PUT [STEP](x1%,y1%)-[STEP](x2%,y2%),array[, {AND   OR   PRESET   PSET   XOR}]	Displays a graphics screen image	Version 2.6 or later, standard edition only

QUIT	Exits NBASIC	
R. filespec1\$ {AS   TO} filespec2\$	Renames a file	Version 1.5 or later, all editions
RANDOMIZE	Initializes the random number generator	
RANDOM[IZE]	Initializes the random number generator	Version 2.0 or later, all editions
READ variable[,variable]...	Reads values from a DATA statement and assigns them to variables	
REDIM [PRESERVE] array(subscripts) [,array(subscripts)]...	Declares an array	
REDO	Edits the previous command entered	Version 2.0 or later, all editions
RELABEL *old {TO   ,} *new	Renames a label	Version 2.5 or later, standard edition only
REM [remark]	Allows remarks to be inserted into a program	
REMARK [line][-[line]]	Remarks (comments) lines in the current program	Version 1.0 or later, standard edition only
REMARK [{line-[line]}   -[line]],[line-[line]]   -[line]]...	Remarks (comments) lines in the current program	Version 1.2 or later, standard edition only
RENAME filespec1\$ TO filespec2\$	Renames a file	
RENAME filespec1\$ {AS   TO} filespec2\$	Renames a file	Version 1.4 or later, all editions
RENARR old,new	Renames an array variable	Version 2.4 or later, standard edition only
RENFN old,new	Renames an user-defined function	Version 2.4 or later, standard edition only
RENLBL *old {TO   ,} *new	Renames a label	Version 2.5 or later, standard edition only
RENUM [new[,start][,increment]]	Renumbers lines in the current program	
RENUMBER [new[,start][,increment]]	Renumbers lines in the current program	Version 1.4 or later, all editions
RENVAR old,new	Renames a variable	Version 2.4 or later, standard edition only
REOPEN #file% FOR {APPEND   INPUT   OUTPUT   RANDOM}	Reopens a file in a different mode	

REOPEN [#]file% FOR {APPEND   INPUT   OUTPUT   RANDOM}	Reopens a file in a different mode	Version 2.0 or later, all editions
REOPEN [#]file%,mode\$	Reopens a file in a different mode	Version 2.0 or later, all editions
REP[EAT]	Transfers control to the beginning of the current line	Version 2.0 or later, all editions
REP[EAT] IF condition%	Conditionally transfers control to the beginning of the current line	Version 2.0 or later, all editions
REPLACE search\$,replace\$[, {line-[line]}   - [line]]	Replaces a string in the current program	Version 1.1 or later, standard edition only
REPLACE search\$,replace\$[, {line-[line]}   - [line]]...	Replaces a string in the current program	Version 1.2 or later, standard edition only
REPL[ACE] search\$,replace\$[, {line-[line]}   - [line]]...	Replaces a string in the current program	Version 2.0 or later, standard edition only
RES[EQUENCE] [[initial][,increment]]	Renumbers lines in the current program	Version 1.4 or later, all editions
RESET	Closes all open files	
RESET (row%,column%)	Clears a location on the screen	Version 2.7 or later, all editions
RESIZE	Resizes the NBASIC application window to fit the BASIC screen	
RESTORE [line]	Allows READ to reread values specified in DATA statements	
RESUME [0]	Resumes program execution after a break, error, or timer handling routine	
RESUME line	Resumes program execution after a break, error, or timer handling routine	
RESUME NEXT	Resumes program execution after a break, error, or timer handling routine	
RETURN [line]	Returns from a subroutine	
REVERSE {[ON]   OFF}	Turns inverse on or off	Version 1.5 or later, all editions
REWIND	Rewinds one or more open files	
REWIND #file%[,#file%]...	Rewinds one or more open files	

REWIND [#]file%[, [#]file%]...	Rewinds one or more open files	Version 2.0 or later, all editions
RIGHT\$(variable[,length%])=string\$	Assigns part of a string variable to another string	Version 1.0 or later, standard edition only
RSET variable=expression	Right justifies data in the field variable and moves the data into the file buffer or in a string variable	
RSET variable=expression[,variable=expression]...	Right justifies data in the field variable and moves the data into the file buffer or in a string variable	Version 2.0 or later, all editions
RSORT array[, [start%][, end%]]	Sorts an array in reverse order	Version 2.0 or later, standard edition only
RUN [line]	Runs the current program or a specified program	
RUN filename\$	Runs the current program or a specified program	
RUNC	Loads and runs a program from the Windows clipboard	Version 2.0 or later, standard edition only
RUNR program\$	Runs a built-in program	Version 1.0 or later, standard edition only
S. filespec\$[,A]	Saves a program	Version 1.5 or later, all editions
S.?	Saves a program	Version 2.0 or later, standard edition only
SAVE filespec\$[,A]	Saves a program	
SAVE?	Saves a program	Version 1.1 or later, standard edition only
SAVEAS	Saves a program	Version 1.6 or later, standard edition only
SAVEC	Saves a program to the Windows clipboard	Version 1.0 or later, standard edition only
SCR[ATCH]	Erases the current program	Version 2.0 or later, all editions
SCRPUT screen\$,row%,column%	Displays a screen data string	Version 2.7 or later, all editions
SE. [filespec\$][, {[-]{O   P   W}}...]	Lists files on a volume	Version 2.3 or later, standard edition only
SEARCH [filespec\$]	Lists files on all volumes	Version 1.0 to 1.6, standard edition only
SEARCH [filespec\$][, {[-]{O   P   W}}...]	Lists files on a volume	Version 2.2 or later, standard edition only
SECURE {ON   OFF}	Turns secure mode on or off	
SELECT charset%	Changes the character set	Version 1.3 to 1.6, 3.0 or later, all editions

SEEK #file%,position%	Sets the position in an open file	
SEEK [#]file%,position%	Sets the position in an open file	Version 2.0 or later, all editions
SET (row%,column%)	Clears a location on the screen	Version 2.7 or later, all editions
SET BACK[GROUND] [COLOR] color%	Sets the background color of the text screen	Version 1.4 or later, all editions
SET COLOR color%	Sets the foreground color of the text screen	Version 1.4 or later, all editions
SET PRINTER printer\$	Sets the current printer	Version 1.4 or later, standard edition only
SET VOLUME volume\$	Sets the default volume	Version 1.4 or later, all editions
SET ZONEWIDTH zonewidth%	Sets the zonewidth	Version 1.4 or later, all editions
SKIP	Transfers control to the end of the current line	Version 2.0 or later, all editions
SKIP IF condition%	Conditionally transfers control to the end of the current line	Version 2.0 or later, all editions
SORT array[, [start%][,end%]]	Sorts an array	Version 2.0 or later, standard edition only
SOUND frequency%,duration%	Generates a sound through the computer's speaker	
SPEED=delay%	Sets character output delay	Version 2.2 or later, all editions
SPLIT line1,line2	Splits a line in the current program into two lines	Version 1.0 to 1.6, standard edition only
SPLIT line1 {,   TO} line2	Splits a line in the current program into two lines	Version 1.4 to 1.6, standard edition only
SPLIT line1 {,   TO} line2[,E]	Splits a line in the current program into two lines	Version 2.2 or later, standard edition only
SPLITNAME filespec\$,[volume[, [name] [,extension]]	Splits a file specification	Version 1.0 or later, standard edition only
SPRITE (x%,y%),sprite\$,[ [transparency%][,C]]	Draws an image	Version 1.6 or later, standard edition only
SPRITE [STEP](x%,y%),sprite\$,[ [transparency%][,C]]	Draws an image	Version 2.6 or later, standard edition only
SS?	Saves a program	Version 2.0 or later, standard edition only
STAT files\$	Displays detailed file status information	Version 2.6 or later, all editions

STEP	Advances execution of the current program to the next statement or line or to a specified line	Version 1.0 or later, standard edition only
STEP NEXT	Advances execution of the current program to the next statement or line or to a specified line	Version 1.0 or later, standard edition only
STEP line	Advances execution of the current program to the next statement or line or to a specified line	Version 1.0 or later, standard edition only
STOP	Stops a program	
SWAP variable1,variable2	Swaps the contents of a variable with another variable of the same type	Version 1.0 or later, standard edition only
SYS function%	Initiates system function	Version 1.1 or later, all editions
SYSTEM	Ends a program	Version 1.5 or later, all editions
TAB spaces%	Prints spaces to the screen	Version 2.0 or later, all editions
TAIL filespec\$[, [lines%][, {N   R   Z}]]	Displays last lines of a file	Version 2.6 or later, standard edition only
TEXT	Turns graphics off	Version 1.0 or later, standard edition only
TIMER {ON   OFF   STOP}	Enables, disables or suspends timer event trapping or sets the value of the timer	
TIMER=timer%	Enables, disables or suspends timer event trapping or sets the value of the timer	
TOP [count%]	Displays lines in the current program	Version 2.2 or later, all editions
TOUCH files\$[, [{A   M}][, {B=time#   D=datetime\$   R=file\$   T=timestamp\$}]]	Changes file timestamps	Version 2.6 or later, all editions
TRACE {ON   OFF}	Turns tracing of program on or off	
TRACE [{ON}   OFF}	Turns tracing of program on or off	Version 1.4 or later, all editions
TROFF	Disables tracing of program	
TRON	Enables tracing of program	
TRUNC[ATE]	Truncates one or more open files to zero length	



TRUNC[ATE] #file%[,#file%]...	Truncates one or more open files to zero length	
TRUNC[ATE] [#]file%[,[#]file%]...	Truncates one or more open files to zero length	Version 2.0 or later, all editions
TYPE filespec\$	Displays the contents of a file	
UNBREAK	Clears breakpoints	Version 1.4 or later, standard edition only
UNBREAK line[,line]...	Clears breakpoints	Version 1.4 or later, standard edition only
UNBREAK [{line-[line]}   -[line]},{line-[line]}   -[line]}...]	Clears breakpoints	Version 1.4 or later, standard edition only
UNDEF FN function	Deletes a user-defined function	Version 1.6 or later, all editions
UNDEF USR[0-9]	Deletes a user function	Version 1.6 or later, all editions
UNLOAD volume\$	Closes all open files on a specified volume	
UNLOAD [volume\$]	Closes all open files on a specified volume	Version 1.4 or later, all editions
UNLOCK #0	Unlocks the text screen	
UNLOCK [[#]0]	Unlocks the text screen	Version 2.0 or later, all editions
UNNUM	Unnumbers lines in the current program	Version 1.5 or later, all editions
UNREMARK [line]-[line]	Unremarks (uncomments) lines in the current program	Version 1.0 or later, standard edition only
UNREMARK [{line-[line]}   -[line]},{line-[line]}   -[line]}...]	Unremarks (uncomments) lines in the current program	Version 1.2 or later, standard edition only
UNTRACE	Disables tracing of program	Version 1.4 or later, all editions
V. volume\$	Makes a specified volume the default volume	Version 1.5 or later, all editions
V.?	Sets the default volume	Version 2.0 or later, all editions
V.?[,-]R]	Sets the default volume	Version 2.3 or later, all editions
VARREF(address%)=expression	Sets the variable at specified address to a value	Version 3.0 or later, all editions
VER	Displays version number	

VERSION	Determines the minimum version of NBASIC required to run the current program	Version 2.0 or later, all editions
VLIN y1%,y2% AT x%	Draws a vertical line	Version 1.4 or later, standard edition only
VOLINI volume\$	Deletes all files on a volume	
VOLUME volume\$	Makes a specified volume the default volume	
VOLUME?	Sets the default volume	Version 1.6 or later, all editions
VOLUME?[,[-]R]]	Sets the default volume	Version 2.3 or later, all editions
VOLUMES	Displays the current mapped volumes	
VOLUMES ["volumespec"][,[-]D][[-]M][[-]R]]	Displays the current mapped volumes	Version 2.3 or later, all editions
VOS.	Displays the current mapped volumes	Version 2.0 or later, all editions
VOS. ["volumespec"][,[-]{D   M   R}]...	Displays the current mapped volumes	Version 2.3 or later, all editions
VSCROLL row%,column%,columns%,rows% [,vertical%]	Scrolls rows up or down	Version 1.0 or later, standard edition only
VTAB row%	Moves the cursor to a specified position on the screen	Version 1.4 or later, all editions
VV?	Sets the default volume	Version 2.0 or later, all editions
WAIT [duration%]	Pauses a program	
WIDTH #file%,columns%	Sets the maximum output width of a file or printer	
WIDTH [#]file%,columns%	Sets the maximum output width of a file or printer	Version 2.0 or later, all editions
WRITE [#file%,] expression[,expression]...	Writes output to the screen, a file or the printer	
X. [filespec] /A[[:][-]{H   R   S}] [/B] [/C] [/D] [/L] [/N] [/O[[:][-]{N   E   S   D   C   A   W   M}]...] [/P] [/[-]R] [/T[[:]{C   A   W   M}]] [/U] [/W] [/X] [/4] [/?]	Lists files on a volume	Version 2.0 or later, standard edition only
XDIR [filespec] /A[[:][-]{H   R   S}] [/B] [/C] [/D] [/L] [/N] [/O[[:][-]{N   E   S   D   C   A   W   M}]...] [/P] [/[-]R] [/T[[:]{C   A   W   M}]] [/U] [/W] [/X] [/4] [/?]	Lists files on a volume	Version 1.6 or later, standard edition only

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XDIRCMD=/A[[:-]{H | R | S}] [/B] [/C] [/D] [/L]  
[/N] [/O[[:-]{N | E | S | D | C | A | W | M}]...] [/P]  
[[:-]R] [/T[[:-]{C | A | W | M}]] [/U] [/W] [/X] [/4]

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Version 2.0 or later, standard edition only