NBASIC Statement Reference

Statement	Description	Version
$COLOR	Restores the default foreground and background colors when a program ends	
$PRINT	Prints the current program	
$XREF	Cross-references the current program	
*label	Defines a label	
A. filespec1 TO filespec2	Appends a file to another file	Version 1.5 or later, standard version only
A. line1 TO line2[,{E | D | ED}]	Appends a line in the current program to another line	Version 1.5 or later, standard version only
ABOUT	Displays program information, version number, and copyright	
APPEND filespec1 TO filespec2	Appends a file to another file	standard version only
APPEND line1 TO line2[,{E | D | ED}]	Appends a line in the current program to another line	standard version only
ARC (x,y),radius[,[color][,[start][,[end][,[aspect][,F]]]]]	Draws an arc	standard version only
ASAVE filespec	Saves a program	Version 1.4 or later
ASSERT condition[,message]	Conditionally stops the current program	standard version only
AT row,column	Moves the cursor to a specified position on the screen	
AT. filespec	Displays the read-only attribute of a file	Version 1.5 or later
AT. {+ | -}R filespec	Changes the read-only attribute of a file	Version 1.5 or later
ATTACH {#file | LPRINT}	Attaches screen output to a file	Version 1.5 or later
ATTRIB filespec	Displays the read-only attribute of a file	
ATTRIB {+ | -}R filespec	Changes the read-only attribute of a file	
AUTO OFF	Turns automatic line numbering off	standard version only
AUTO ON[,increment]	Turns automatic line numbering on	standard version only
B. volume1 TO volume2	Copies files in a volume to another volume	Version 1.5 or later
BACKUP volume1 TO volume2	Copies files in a volume to another volume	
BEEP	Generates a beep sound from the computer's speakers	
BKOFF	Turns trapping of the BREAK key off	Version 1.4 or later
BKON	Turns trapping of the BREAK key on	Version 1.4 or later
BOX (x1,y1)-(x2,y2)[,[color][,F]]	Draws a box	standard version only
BREAK {ON | OFF}	Turns trapping of the BREAK key on or off	
BREAK	Lists breakpoints	standard version only
BREAK line[,line]...	Sets breakpoints	standard version only
BREAK [line][-[line]][,[line][-[line]]]...	Sets breakpoints	Version 1.2 or later, standard version only
BSAVE filespec	Saves a program	Version 1.4 or later
BYE	Exits NBASIC	
C. filespec1 TO filespec2	Copies a file to another file	Version 1.5 or later
C. line1 TO line2[,E]	Copies a line in the current program to another line	Version 1.5 or later, standard version only
CALL CLEAR	Clears the screen	Version 1.4 or later
CALL SCREEN(color)	Sets the screen display color	Version 1.4 or later
CALL VCHAR(row,column,character[,repeat])	Displays a character	Version 1.4 or later
CAT[ALOG]	Lists files on a volume	Version 1.1 or later
CHAIN filespec[,line]	Transfers control from the current program to another program	

CHKIO [line][-[line]]	Checks for lines in the current program that contain file input/output statements	
CHKIO [line][-[line]][,[line][-[line]]]...	Checks for lines in the current program that contain file input/output statements	Version 1.2 or later
CHKSW [line][-[line]]	Checks for lines in the current program that contain non-shareware statements or functions	standard version only
CHKSW [line][-[line]][,[line][-[line]]]...	Checks for lines in the current program that contain non-shareware statements or functions	Version 1.2 or later, standard version only
CHKSYN [line][-[line]]	Checks for lines in the current program that contain syntax errors	standard version only
CHKSYN [line][-[line]][,[line][-[line]]]...	Checks for lines in the current program that contain syntax errors	Version 1.2 or later, standard version only
CHKUL [line][-[line]]	Checks for lines in the current program that contain undefined line numbers	standard version only
CHKUL [line][-[line]][,[line][-[line]]]...	Checks for lines in the current program that contain undefined line numbers	Version 1.2 or later, standard version only
CHORD (x,y),radius[,[color][,[start][,[end][,[aspect][,F]]]]]	Draws a chord	standard version only
CIRCLE (x,y),radius[,[color][,[start][,[end][,[aspect][,F]]]]]	Draws a circle	standard version only
CLEAR	Clears all array variables	
CLEAR variable[,variable]...	Clears one or more array variables	
CLOSE	Closes all open files	
CLOSE #file[,#file]...	Closes one or more open files or the printer	
CLOSE PRINTER	Closes the printer	Version 1.1 or later, standard version only
CLR	Clears variables	Version 1.5 or later
CLR row[,[column][,[columns][,rows]]]	Clears a row	
CLS	Clears the screen	
CMD file[,expression]	Copies screen output to a file	Version 1.5 or later
COLOR foreground[,background]	Sets the screen display colors	
COLOR=foreground	Sets the graphics foreground color	Version 1.4 or later, standard version only
CONCAT filespec1 TO filespec2	Appends a file to another file	Version 1.5 or later, standard version 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
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	standard version only
CR. filespec	Creates a file	Version 1.5 or later
CREATE filespec	Creates a file	
CURSOR {ON	OFF}	Turns the cursor on or off	
DATA value[,value]...	Specifies values to be read by subsequent READ statements	
DEBUG {ON	OFF}	Turns debugging on or off	standard version only
DEC variable[,variable]...	Decrements one or more numeric variables by 1	standard version only
DEF FN function[(parameterlist)]=expression	Defines a 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

DELETE #file,record	Deletes a record from a file	
DELETE filespec	Deletes a file	Version 1.4 or later
DETACH {#file | LPRINT}	Detaches screen output to a file	Version 1.5 or later
DIM array(subscripts)[,array(subscripts)]...	Declares an array	
DIR [filespec]	Lists files on a volume	
DIRR	Lists built-in programs	
DISPLAY [expression] [{, | ; | SPC(spaces) | TAB(column)} [expression]]...	Writes output to the screen	Version 1.5 or later
DLOAD filespec,variable	Loads a string from a file	Version 1.4 or later
DRAW command	Draws objects	standard version only
DSAVE filespec,string	Saves a string to a file	Version 1.4 or later
DUMP filespec[,format]	Displays the contents of a file	
EDIT line	Edits a line in the current program	
EDIT {line[-line] | -line}[,{line[-line] | -line}]...	Edits a line in the current program	Version 1.4 or later
END	Ends a program	
ERASE	Deletes all array variables	
ERASE variable[,variable]...	Deletes one or more array variables	
ERROR error	Simulates an occurrence of an error	
EXEC address	Executes an internal routine	
EXIT	Exits NBASIC	
FIELD #file,width AS variable[,width AS variable]...	Allocates space for variables in a random access file buffer	
FILES [filespec]	Lists files on a volume	Version 1.1 or later
FILL char,row[,[column][,[columns][,rows]]]	Fills a row with a character	standard version only
FIND string,{line[-line] | -line}	Finds a string in the current program	Version 1.1 or later, standard version only
FIND string,{line[-line] | -line}[,{line[-line] | -line}]...	Finds a string in the current program	Version 1.2 or later, standard version only
FONT size[,R]	Changes the font size	standard version only
FOR counter=start TO end [STEP increment]	Repeats a block of statements a specified number of times	
FORMAT {[NO]CAP | [NO]LET}	Formats the current program	Version 1.4 or later, standard version only
FRAME row,column,columns,rows[,[style][,color]]	Draws a frame	
FRE	Initializes the run-time environment	Version 1.4 or later
GET #file,record	Reads a record from a random access file into a file buffer	
GET (x1,y1)-(x2,y2),variable	Captures a graphics screen image	standard version only
GOSUB line	Transfers control of the current program to a subroutine	
GOTO line	Transfers control of the current program to a specified line	
GOTO TIMER	Transfers control of the current program to the timer event handling routine	
GR	Turns graphics on	Version 1.4 or later, standard version only
GRAPH {[ON] | OFF}	Turns graphics on or off	standard version only
H. [topic]	Displays help	Version 1.5 or later
HCIRCLE (x,y),radius[,[color][,[start][,[end][,[aspect][,F]]]]]	Draws a circle	Version 1.5 or later, standard version only
HCLS [color]	Clears the graphics screen	Version 1.5 or later, standard version only
HCOLOR=foreground	Sets the graphics foreground color	Version 1.4 or later, standard version only
HCOLOR foreground[,background]	Sets the graphics colors	Version 1.5 or later, standard version only

HDRAW command	Draws objects	Version 1.5 or later, standard version only
HELP [topic]	Displays help	
HGET (x1,y1)-(x2,y2),variable	Captures a graphics screen image	Version 1.5 or later, standard version only
HGR	Turns graphics on	Version 1.4 or later, standard version only
HGR2	Turns graphics on	Version 1.4 or later, standard version only
HLIN x1,x2 AT y	Draws a horizontal line	Version 1.4 or later, standard version only
HLINE [(x1,y1)]-(x2,y2)[,[color][,B[F]]]	Draws a line	Version 1.5 or later, standard version only
HOME	Clears the screen	
HPAINT (x,y)[,[color][,border]]	Fills a graphics area with a color	Version 1.5 or later, standard version only
HPLOT x,y	Draws a point or one or more lines	Version 1.4 or later, standard version only
HPLOT x1,y1 [TO x2,y2]...	Draws a point or one or more lines	Version 1.4 or later, standard version only
HPLOT TO x1,y1 [TO x2,y2]...	Draws a point or one or more lines	Version 1.4 or later, standard version only
HPUT (x1,y1)-(x2,y2),variable[,{AND	OR	PSET	PRESET	XOR}]	Displays a graphics screen image	Version 1.5 or later, standard version only
HRESET (x,y)[,color]	Draws a point	Version 1.5 or later, standard version only
HSCROLL row,column,columns,rows[,horizontal]	Scrolls columns left or right	standard version only
HSET (x,y)[,color]	Draws a point	Version 1.5 or later, standard version only
HTAB column	Moves the cursor to a specified position on the screen	Version 1.4 or later
IF condition GOSUB line [ELSE {line	statement[:statement]...}] [END IF]	Executes one or more statements depending on specified conditions	
IF condition GOTO line [ELSE {line	statement[:statement]...}] [END IF]	Executes one or more statements depending on specified conditions	
IF condition THEN {line	statement[:statement]...} [ELSE {line	statement[:statement]...}] [END IF]	Executes one or more statements depending on specified conditions	
INC variable[,variable]...	Increments one or more numeric variables by 1	standard version 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	
INSERT #file,record	Inserts a record in a file	
INVERSE	Turns inverse on	Version 1.4 or later
INVERSE {ON	OFF}	Turns inverse on or off	
INVERT row[,[column][,[columns][,rows]]]	Inverts a row	
K. filespec	Deletes a file	Version 1.5 or later
KILL filespec	Deletes a file	
KILL #file	Closes and deletes an open file	Version 1.1 or later
L. filespec[,R]	Loads a program	Version 1.5 or later
LEFT$(variable[,length])=expression	Assigns part of a string variable to another string	standard version only
[LET] variable=expression	Assigns the value of an expression to a variable	
[LET] variable[,variable]...=expression [,variable[,variable]...=expression]...	Assigns the value of an expression to a variable	Version 1.2 or later
LINE [(x1,y1)]-(x2,y2)[,[color][,B[F]]]	Draws a line	standard version only
LINE EDIT[(string)] [prompt{;	,}] variable	Edits a string	Version 1.2 or later
LINE INPUT [prompt{;	,}] variable	Reads input from the keyboard	
LINE INPUT #file,variable	Reads input from a file	

LINES	Displays the number of lines in the current program	
LIST [line][-[line]]	Displays lines in the current program	
LIST [line][-[line]][,[line][-[line]]]...	Displays lines in the current program	Version 1.2 or later
LLIST [line][-[line]]	Prints lines in the current program to the printer	Version 1.1 or later, standard version only
LOAD filespec[,R]	Loads a program	
LOADC[,R]	Loads a program from the Windows clipboard	standard version only
LOADR program[,R]	Loads a built-in program	
LOCATE row,column	Moves the cursor to a specified position on the screen	
LOCK #0	Locks the screen	
LOG [TO] filespec[,A]	Opens a file and begins logging screen output to the log file	standard version only
LOG {ON | OFF | STOP}	Turns logging on or off or stops logging and closes the log file	standard version only
LPRINT [expression] [{, | ; | SPC(spaces) | TAB(column)} [expression]]...	Writes output to the printer	Version 1.1 or later, standard version only
LPRINT USING format; expression[,expression]...[;]	Writes output to the printer	Version 1.1 or later, standard version only
LSET variable=expression	Left justifies data in the field variable and moves the data into the file buffer or in a string variable	
M. filespec1 TO filespec2	Moves a file to another file or volume	Version 1.5 or later
M. line1 TO line2[,E]	Moves a line in the current program to another line	Version 1.5 or later, standard version only
ME. filespec[,new[,increment]]	Merges a program with the current program	Version 1.5 or later
MERGE filespec[,new[,increment]]	Merges a program with the current program	
MID$(variable,start[,length])=expression	Assigns part of a string variable to another string	
MOVE filespec1 TO filespec2	Moves a file to another file or volume	
MOVE line1 TO line2[,E]	Moves a line in the current program to another line	standard version only
NAME filespec1 AS filespec2	Renames a file	
NEW	Erases the current program	
NEXT [counter[,counter]...]	Increments and tests the variable in a FOR loop	
NOBREAK	Clears all breakpoints	standard version only
NOBREAK line[,line]...	Clears breakpoints	standard version only
NOBREAK [line][-[line]][,[line][-[line]]]...	Clears breakpoints	Version 1.2 or later, standard version only
NOINVERSE	Turns inverse off	Version 1.5 or later
NOREVERSE	Turns inverse off	Version 1.5 or later
NORMAL	Turns inverse off	Version 1.4 or later
NOTRACE	Disables tracing of program	Version 1.4 or later
NUM[BER] [initial[,increment]]	Turns automatic line numbering on	Version 1.4 or later, standard version only
OLD filespec	Loads a program	
OLD	Restores a program	Version 1.3 or later
ON BREAK GOTO line	Enables BREAK key trapping and when the BREAK key is pressed transfers control to a BREAK key handling routine	
ON BREAK GOTO 0	Suspends BREAK key trapping	
ON ERROR GOTO line	Enables error handling and when a run-time error occurs transfers control to an error handling routine	
ON ERROR GOTO 0	Suspends error handling	
ON ERROR RESUME NEXT	Resumes execution	
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)] GOTO line	Enables timer event trapping and when a timer event occurs transfers control to a timer event handling routine	
ON TIMER GOTO 0	Suspends timer event trapping	
OPEN filespec FOR {APPEND | INPUT | OUTPUT | RANDOM} AS #file [LEN=length]	Opens a file	
OPEN mode,#file,filespec[,length]	Opens a file	
OPEN PRINTER	Opens a printer	Version 1.1 or later, standard version only
OPTION BASE {0 | 1}	Specifies the base index of arrays	Version 1.2 or later
OPTION EXPLICIT	Specifies that arrays must be explicitly created	Version 1.2 or later
PAINT (x,y)[,[color][,border]]	Fills a graphics area with a color	standard version only
PAUSE [duration]	Pauses a program	standard version only
PCLR (x1,y1)-(x2,y2)[,color]	Clears a rectangular area of the graphics screen	standard version only
PCLS [color]	Clears the graphics screen	standard version only
PCOLOR foreground[,background]	Sets the graphics colors	standard version only
PCP	Displays the current printer	Version 1.2 or later, standard version only
PFONT size	Changes the graphics font size	standard version only
PIE (x,y),radius[,[color][,[start][,[end][,[aspect][,F]]]]]	Draws a pie	standard version only
PLOT x,y	Draws a point	Version 1.4 or later, standard version only
POKE address,value	Writes a byte value to a memory location	
POP	Removes a return address from the call stack	
PPRINT (x,y)[,[color][,[mode][,[angle][,[horizontal][,vertical]]]]]; [expression] [{, | ; | SPC(spaces)} [expression]]...	Writes output to the graphics screen	standard version only
PPRINT (x,y)[,[color][,[mode][,[angle][,[horizontal][,vertical]]]]]; USING format; expression[,expression]...	Writes output to the graphics screen	standard version only
PRESET (x,y)[,color]	Draws a point	standard version only
{PRINT | ?} [#file,] [expression] [{, | ; | SPC(spaces) | TAB(column)} [expression]]...	Writes output to the screen, a file, or the printer	
{PRINT | ?} [#file,] USING format; expression[,expression]...[;]	Writes output to the screen, a file, or the printer	
PRINTER=printer	Sets the current printer	Version 1.1 or later, standard version only
PRINTER?	Sets the current printer	Version 1.1 or later, standard version only
PRINTERS	Lists available printers	Version 1.2 or later, standard version only
PROFILE [line][-[line]]	Displays the execution profile of the current program	standard version only
PROFILE [line][-[line]][,[line][-[line]]]...	Displays the execution profile of the current program	Version 1.2 or later, standard version only
PROFILE {ON | OFF}	Turns profiling on or off	standard version only
PROMPT prompt	Changes the prompt	standard version only
PSET (x,y)[,color]	Draws a point	standard version only
PUSH [line]	Places a return address on the call stack	
PUT #file,record	Writes a random access buffer to a file	

PUT (x1,y1)-(x2,y2),variable[,{AND | OR | PSET | PRESET | XOR}]	Displays a graphics screen image	standard version only
QUIT	Exits NBASIC	
R. filespec1 TO filespec2	Renames a file	Version 1.5 or later
RANDOMIZE	Initializes the random number generator	
READ variable[,variable]...	Reads values from a DATA statement and assigns them to variables	
REDIM [PRESERVE] array(subscripts)[,array(subscripts)]...	Declares an array	
REM [remark]	Allows remarks to be inserted into a program	
' [remark]	Allows remarks to be inserted into a program	
REMARK {line[-line] | -line}	Remarks (comments) lines from the current program	standard version only
REMARK {line[-line] | -line}[,{line[-line] | -line}]...	Remarks (comments) lines from the current program	Version 1.2 or later, standard version only
RENAME filespec1 TO filespec2	Renames a file	
RENAME filespec1 {AS | TO} filespec2	Renames a file	Version 1.4 or later
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
REOPEN #file FOR {APPEND | INPUT | OUTPUT | RANDOM}	Reopens a file in a different mode	
REOPEN mode,#file	Reopens a file in a different mode	
RES[EQUENCE] [[initial][,increment]]]	Renumbers lines in the current program	Version 1.4 or later
RESET	Closes all open files	
RESTORE [line]	Allows READ to reread values specified in DATA statements	
RESUME {[0] | line | NEXT}	Resumes program execution after a break, error, or timer handling routine	
RETURN	Returns from a subroutine	
RETURN line	Returns from a subroutine	Version 1.5 or later
REVERSE {[ON] | OFF}	Turns inverse on or off	Version 1.5 or later
REWIND	Rewinds all open files	
REWIND #file[,#file]…	Rewinds one or more open files	
RIGHT$(variable[,length])=expression	Assigns part of a string variable to another string	standard version only
RSET variable=expression	Right justifies data in the field variable and moves the data into the file buffer or in a string variable	
RUN [line]	Runs the current program	
RUN filespec	Runs a specified program	
RUNR program	Runs a built-in program	
S. filespec[,A]	Saves a program	Version 1.5 or later
SAVE filespec[,A]	Saves a program	
SAVEC	Saves a program to the Windows clipboard	standard version only
SCREEN [BACKUP] row,column,columns,rows[,[foreground][,background]]	Saves the screen	Version 1.4 or later
SCREEN [RESTORE] [screen]	Restores the screen	Version 1.4 or later
SECURE {ON | OFF}	Turns secure mode on or off	
SELECT character-set	Changes the character set	Version 1.3 or later
SOUND frequency,duration	Generates a sound through the computer's speaker	

SPLITNAME filespec,[volume][,[name][,extension]]	Splits a file specification	standard version only
STEP	Advances execution of the current program to the next statement	standard version only
STEP NEXT	Advances execution of the current program to the next line	standard version only
STEP line	Advances execution of the current program to a specified line	standard version only
STOP	Stops a program	
SWAP variable1,variable2	Swaps the contents of a variable with another variable of the same type	standard version only
SWAP line1,line2	Swaps a line in the current program with another line	standard version only
SYSTEM	Ends a program	Version 1.5 or later
TIMER {ON | OFF | STOP}	Enables, disables or suspends timer event trapping	
TIMER=timer	Sets the value of the timer	
TRACE	Turns tracing of program on	Version 1.4 or later
TRACE {ON | OFF}	Turns tracing of program on or off	
TROFF	Disables tracing of program	
TRON	Enables tracing of program	
TRUNCATE	Truncates all open files	
TRUNCATE #file[,#file]...	Truncates one or more open files	
TYPE filespec	Displays the contents of a file	Version 1.4 or later, standard version only
UNBREAK	Clears all breakpoints	Version 1.4 or later, standard version only
UNBREAK line[,line]...	Clears breakpoints	Version 1.4 or later, standard version only
UNBREAK [line][-[line]][,[line]-[line]]]...	Clears breakpoints	Version 1.2 or later, standard version only
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
UNLOCK #0	Unlocks the screen	
UNNUM	Unnumbers lines in the current program	Version 1.5 or later
UNREMARK {line[-line] | -line}	Unremarks (uncomments) lines from the current program	standard version only
UNREMARK {line[-line] | -line}[,{line[-line] | -line}]...	Unremarks (uncomments) lines from the current program	Version 1.2 or later, standard version only
UNTRACE	Disables tracing of program	Version 1.4 or later
V. volume	Makes a specified volume the default volume	Version 1.5 or later
VER	Displays version number	
VLIN y1,y2 AT x	Draws a vertical line	Version 1.4 or later, standard version only
VOLINI volume	Deletes all files on a volume	
VOLUME volume	Makes a specified volume the default volume	
VOLUMES	Displays the current mapped volumes	
VSCROLL row,column,columns,rows[,vertical]	Scrolls rows up or down	standard version only
VTAB row	Moves the cursor to a specified position on the screen	Version 1.4 or later
WAIT [duration]	Pauses a program	
WRITE [#file,] expression[,expression]...	Writes output to the screen, a file, or the printer	