

Error Messages

Message	Description
BAD DATA	String data was received from an open file, but the program was expecting numeric data.
BAD SUBSCRIPT	The program was trying to reference an element of an array whose number is outside of the range specified in the DIM statement.
CAN'T CONTINUE	The CONT command will not work, either because the program was never 'RUN', there has been an error, or a line has been edited.
DEVICE NOT PRESENT	The required I/O device was not available for an 'OPEN', 'CLOSE', 'CMD', 'PRINT#', 'INPUT#', or 'GET#'. Division by zero is a mathematical oddity and not allowed.
DIVISION BY ZERO	
EXTRA IGNORED	Too many items of data were typed in response to an input statement. Only the first few items were accepted.
FILE NOT FOUND	If you were looking for a file on tape, an 'end-of-tape' marker was found. If you were looking on a disk, no file with that name exists.
FILE NOT OPEN	The file specified in a 'CLOSE', 'CMD', 'PRINT#', 'INPUT#', or 'GET#', must first be 'OPEN'ed.
FILE OPEN	An attempt was made to OPEN a file using the number of an already open file.
FORMULA TOO COMPLEX	The string expression being evaluated should be split into at least two parts for the system to work with, or a formula has too many parentheses.
ILLEGAL DIRECT	The 'INPUT' statement can only be used within a program, and not in direct mode.
ILLEGAL QUANTITY	A number used as the argument of a function or statement is out of the allowable range.
LOAD	A problem has occurred during program LOAD, disk or tape
NEXT WITHOUT FOR	This is caused by either incorrectly nesting loops or having a variable name in a 'NEXT' statement that doesn't correspond with one in a 'FOR' statement.
NOT INPUT FILE	An attempt was made to 'INPUT' or 'GET' data from a file which was specified to be for output only.
NOT OUTPUT FILE	An attempt was made to 'PRINT' data to a file which was specified as input only.
OUT OF DATA	A 'READ' statement was executed but there is no data left unread in a 'DATA' statement.
OUT OF MEMORY	There is no more 'ram' available for program or variables. This may also occur when too many 'FOR' loops have been nested, or when there are too many 'GOSUB's in effect.
OVERFLOW	The result of a computation is larger than the largest number allowed, which is 1.70141884e+38.
REDIM'D ARRAY	An array may only be 'DIM'ensioned once. If an array variable is used before that array is 'DIM'd, an automatic 'DIM' operation is performed on that array setting the number of elements to ten, and any subsequent 'DIM's will cause this error.
REDO FROM START	Character data was typed in during an 'INPUT' statement when numeric data was expected. Just re-type the entry so that it is correct, and the program will continue by itself.
RETURN WITHOUT GOSUB	A 'RETURN' statement was encountered, and no 'GOSUB' command has been issued.
STRING TOO LONG	(except 2.0) A string can contain up to 255 characters.
SYNTAX	A statement or command is unrecognizable. A missing or extra parenthesis, misspelled keywords, etc.
TYPE MISMATCH	This error occurs when a number is used in place of a string, or vice-versa.
UNDEF'D FUNCTION	A user defined function was referenced, but it has never been defined using the 'DEF FN' statement.
UNDEF'D STATEMENT	An attempt was made to 'GOTO' or 'GOSUB' or 'RUN' a line number that doesn't exist.
VERIFY	The program on tape or disk does not match the program currently in memory.

B-Series Error Messages

This list is a summary of B-Series error messages that are displayed by PRINTING ERR\$(X) where X equals the value down the left column.

X	Message	Explanation
0	?STOP KEY DETECTED	Occurs when doing a KERNAL I/O function and the STOP key is pressed. May occur during LOAD or SAVE (or OPEN, CLOSE, GET#, INPUT#, PRINT# when the cassette tape is moving). CLOSE any open write files to save data.
1	?TOO MANY FILES	Maximum OPEN files is ten.
2	?FILE OPEN	An attempt was made to OPEN or DOPEN a file with a file number already in use.
3	?FILE NOT OPEN	An attempt was made to access a file not previously OPEN or DOPENed
4	?FILE NOT FOUND	The file specified in OPEN or LOAD was not found on the device specified. In the case of tape 110, and end of tape marker was encountered.
5	?DEVICE NOT PRESENT	An attempt was made to access a device not currently connected or powered-up on the IEEE-488 bus. May happen on OPEN, CLOSE, CMD, INPUT#, GET#, PRINT#. If filename is not specified with OPEN, this error will occur.
6	?NOT INPUT FILE	An attempts was made to read a file originally OPENed for writing.
7	?NOT OUTPUT FILE	An attempts was made to write data to a file originally OPENed for reading. The keyboard cannot be written to.
8	?MISSING FILENAME	All LOADs and SAVEs from the IEEE port (eg. disk) require a filename.

X	Message	Explanation
9	?ILLEGAL DEVICE NUMBER	Occurs if you try to access a device in an illegal manner. For example, LOADING or SAVING from/to the keyboard, screen, or RS-232.
10	?ARE YOU SURE	Confirmation prompt for BACKUP, SCRATCH, and HEADER. It is not an error message and occurs only in direct mode, not during BASIC program execution.
11	?BAD DISK	Media failure on HEADER command.
12	<return> READY. <return>	This Is Not An Error Message. This message lets you know that your system is ready to use.
13	<space>IN <space>	Not An Error Message. Used to indicate which line an error has occurred "in".
14	?BREAK	This occurs when the STOP key is pressed during BASIC execution. CONT can be used to restart the program.
15	?EXTRA IGNORED	Too many items of data or separators were entered in response to an INPUT statement.
16	?REDO FROM START	This diagnostic message occurs when a numeric variable is used with INPUT and non-numeric data is received. INPUT continues to function until acceptable data has been received.
17	Last Evaluated Number	This Is Not An Error Message. This is the last value that has been processed through the numerical output buffer. (eg. print 100110: print ERR\$(17) ...will print 10 both times.
18	"MORE" <return>	This Is Not An Error Message. Prints "MORE" and carriage return.
19	Power On Message	This Is Not An Error Message. Prints: *** COMMODORE BASIC 128, B4.0* ** ** COMMODORE BASIC 256, B4.0*
20	?NEXT WITHOUT FOR	Either a NEXT is improperly nested or the variable in a NEXT statement corresponds to no previously executed FOR statement.
21	?SYNTAX	BASIC cannot recognize the statement you have typed. Caused by such things as missing parenthesis, illegal characters, incorrect punctuation, misspelled keyword.
22	?RETURN WITHOUT GOSUB	A RETURN statement was encountered with no previous GOSUB.
23	?OUT OF DATA	An attempt was made to READ data from a DATA statement but no data exists or the program has already read them all.
24	?ILLEGAL QUANTITY	Occurs when a function is accessed with a parameter out of range caused by: 1. A matrix subscript out of range (0 < X < 32767) 2. LOG (negative or zero argument) 3. SQR (negative argument) 4. A*B where A<0 and B not integer. 5. Call of USR before a machine language subroutine has been patched in. 6. Use of string functions MID\$, LEFT\$, RIGHT\$, with length parameters out of range. 7. Index on ...GOTO out of range. 8. Address of PEEK, POKE, WAIT or SYS out of range. 9. Byte parameters of WAIT, POKE, TAB and SPC out of range.
25	?OVERFLOW	Numbers resulting from computations or input that are greater than 1.70141184E +38 or less than 2.93873587E-39.
26	?OUT OF MEMORY	BASIC text space, or Variables space, or Arrays memory space has been completely filled
27	?UNDEFINED STATEMENT	A GOTO, GOSUB, or THEN has been executed with a line number that does not exist.
28	?BAD SUBSCRIPT	An attempt was made to reference an array element which is outside the dimensions specified in the DIM statement
29	?REDIM'D ARRAY	An attempt was made to define an array using a variable already used in an array.
30	?DIVISION BY ZERO	Illegal divide Message is followed by the line number - list and check variables.
31	?ILLEGAL DIRECT	INPUT, INPUT#, GET, GET#, and DEF cannot be used in direct mode.
32	?TYPE MISMATCH	An arithmetic operation has been given non-numeric data, or a string operation has been numeric data.
33	?STRING TOO LONG	Maximum string length is 255 characters. This error will also occur if INPUT# receives more than 80 characters carriage return (ie. BASIC input buffer is 80 bytes long).
34	?FILE DATA	Occurs when a numeric variable is used with INPUT# and non-numeric data is received.
35	?FORMULA TOO COMPLEX	BASIC has run out of temporary pointers to keep track of substrings in evaluating a string expression. Break the expression into two smaller parts to cure the problem.
37	?UNDEFINED FUNCTION	Reference was made to a user defined function which had never been defined with DEF.
38	?LOAD ERROR	Cassette tape only. To improve tape reliability, programs are recorded twice with SAVE. This error will occur if LOAD finds recording errors in corresponding positions of both recordings. If more than 31 errors are detected in the first pass LOAD will not attempt to read the second.
39	?VERIFY ERROR	A VERIFY operation did not match the contents of file with the contents of memory. Re-SAVE your program on another disk or tape.
40	?OUT OF STACK	Too many open FOR ... NEXT loops or too many GOSUB calls.
41	?UNABLE TO RESUME	Resume will not operate after a fatal error.
42	?UNABLE TO DISPOSE	All of the DISPOSE type items have been disposed of or none exist.
43	?OUT OF TEXT	A LOAD or DLOAD has attempted to bring in a file larger than 64K. This error will not occur when using the BLOAD command.