

Stream I/O

These functions process data in different sizes and formats, from single characters to large data structures. They also provide buffering, which can improve performance. The default size of a stream buffer is 4K. These routines affect only buffers created by the run-time library routines, and have no effect on buffers created by the operating system.

Stream I/O Routines

Routine	Use
clearerr	Clear error indicator for stream
fclose	Close stream
_fcloseall	Close all open streams except stdin , stdout , and stderr
_fdopen, wfdopen	Associate stream with handle to open file
feof	Test for end of file on stream
ferror	Test for error on stream
fflush	Flush stream to buffer or storage device
fgetc, fgetwc	Read character from stream (function versions of getc and getwc)
_fgetchar, _fgetwchar	Read character from stdin (function versions of getchar and getwchar)
fgetpos	Get position indicator of stream
fgets, fgets	Read string from stream
_fileno	Get file handle associated with stream
_flushall	Flush all streams to buffer or storage device
fopen, _wopen	Open stream
fprintf, fwprintf	Write formatted data to stream
fputc, fputwc	Write a character to a stream (function versions of putc and putwc)
_fputchar, _fputwchar	Write character to stdout (function versions of putchar and putwchar)
fputs, fputs	Write string to stream
fread	Read unformatted data from stream
freopen, _wfreopen	Reassign FILE stream pointer to new file or device
fscanf, fwscanf	Read formatted data from stream
fseek	Move file position to given location
fsetpos	Set position indicator of stream

_fsopen, _wfsopen	Open stream with file sharing
ftell	Get current file position
fwrite	Write unformatted data items to stream
getc, getwc	Read character from stream (macro versions of fgetc and fgetwc)
getchar, getwchar	Read character from stdin (macro versions of fgetchar and fgetwchar)
gets, getws	Read line from stdin
_getw	Read binary int from stream
printf, wprintf	Write formatted data to stdout
putc, putwc	Write character to a stream (macro versions of fputc and fputwc)
putchar, putwchar	Write character to stdout (macro versions of fputchar and fputwchar)
puts, _putws	Write line to stream
_putw	Write binary int to stream
rewind	Move file position to beginning of stream
_rmtmp	Remove temporary files created by tmpfile
scanf, wscanf	Read formatted data from stdin
setbuf	Control stream buffering
_setmaxstdio	Set a maximum for the number of simultaneously open files at the stream I/O level.
setvbuf	Control stream buffering and buffer size
_snprintf, _snwprintf	Write formatted data of specified length to string
sprintf, swprintf	Write formatted data to string
sscanf, swscanf	Read formatted data from string
_tempnam, _wtempnam	Generate temporary filename in given directory
tmpfile	Create temporary file
tmpnam, _wtmpnam	Generate temporary filename
ungetc, ungetwc	Push character back onto stream
vfprintf, vfwprintf	Write formatted data to stream
vprintf, vwprintf	Write formatted data to stdout
_vsnprintf, _vsnwprintf	Write formatted data of specified length to buffer
vsprintf, vswprintf	Write formatted data to buffer