

# C LIBRARY FUNCTION - FFLUSH

[http://www.tutorialspoint.com/c\\_standard\\_library/c\\_function\\_fflush.htm](http://www.tutorialspoint.com/c_standard_library/c_function_fflush.htm)

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## Description

The C library function **int fflush***FILE \* stream* flushes the output buffer of a stream.

## Declaration

Following is the declaration for fflush function.

```
int fflush(FILE *stream)
```

## Parameters

- **stream** – This is the pointer to a FILE object that specifies a buffered stream.

## Return Value

This function returns a zero value on success. If an error occurs, EOF is returned and the error indicator is set *i. e. eof*.

## Example

The following example shows the usage of fflush function.

```
#include <stdio.h>
#include <string.h>

int main()
{
    char buff[1024];

    memset( buff, '\0', sizeof( buff ));

    fprintf(stdout, "Going to set full buffering on\n");
    setvbuf(stdout, buff, _IOFBF, 1024);

    fprintf(stdout, "This is tutorialspoint.com\n");
    fprintf(stdout, "This output will go into buff\n");
    fflush( stdout );

    fprintf(stdout, "and this will appear when programm\n");
    fprintf(stdout, "will come after sleeping 5 seconds\n");

    sleep(5);

    return(0);
}
```

Let us compile and run the above program that will produce the following result. Here program keeps buffering into the output into **buff** until it faces first call to **fflush**, after which it again starts buffering the output and finally sleeps for 5 seconds. It sends remaining output to the STDOUT before program comes out.

```
Going to set full buffering on
This is tutorialspoint.com
This output will go into buff
and this will appear when programm
will come after sleeping 5 seconds
Loading [MathJax]/jax/output/HTML-CSS/jax.js
```