

# C LIBRARY FUNCTION - CLEARERR

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

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## Description

The C library function **void clearerr***FILE \* stream* clears the end-of-file and error indicators for the given stream.

## Declaration

Following is the declaration for clearerr function.

```
void clearerr(FILE *stream)
```

## Parameters

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

## Return Value

This should not fail and do not set the external variable `errno` but in case it detects that its argument is not a valid stream, it must return -1 and set `errno` to `EBADF`.

## Example

The following example shows the usage of clearerr function.

```
#include <stdio.h>

int main()
{
    FILE *fp;
    char c;

    fp = fopen("file.txt", "w");

    c = fgetc(fp);
    if( ferror(fp) )
    {
        printf("Error in reading from file : file.txt\n");
    }
    clearerr(fp);

    if( ferror(fp) )
    {
        printf("Error in reading from file : file.txt\n");
    }
    fclose(fp);

    return(0);
}
```

Assuming we have a text file **file.txt**, which is an empty file, let us compile and run the above program, this will produce the following result because we try to read a file which we opened in write only mode.

```
Error reading from file "file.txt"
```

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