

# C LIBRARY FUNCTION - FERROR

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

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## Description

The C library function **int ferror***FILE \* stream* tests the error indicator for the given stream.

## Declaration

Following is the declaration for ferror function.

```
int ferror(FILE *stream)
```

## Parameters

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

## Return Value

If the error indicator associated with the stream was set, the function returns a non-zero value else, it returns a zero value.

## Example

The following example shows the usage of ferror 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 that 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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