

C library function - clearerr()

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");
    }
}
```

[Live Demo](#)

```
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"
```