C library function - ferror()

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.

Live Demo

```
#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"
```