

C library function - feof()

Description

The C library function **int feof(FILE *stream)** tests the end-of-file indicator for the given stream.

Declaration

Following is the declaration for feof() function.

```
int feof(FILE *stream)
```

Parameters

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

Return Value

This function returns a non-zero value when End-of-File indicator associated with the stream is set, else zero is returned.

Example

The following example shows the usage of feof() function.

```
#include <stdio.h>

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

    fp = fopen("file.txt","r");
    if(fp == NULL) {
        perror("Error in opening file");
        return(-1);
    }

    while(1) {
        c = fgetc(fp);
        if( feof(fp) ) {
            break ;
        }
    }
}
```

```
        printf("%c", c);  
    }  
    fclose(fp);  
  
    return(0);  
}
```

Assuming we have a text file **file.txt**, which has the following content. This file will be used as an input for our example program –

```
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```

Let us compile and run the above program, this will produce the following result –

```
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```