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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```

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