



C PROGRAMMING – Feof

- ✱ In C – Programming, the **feof** function is used to test the end-of-file indicator from the input file stream.

Syntax:

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

Sample Code:

```
#include <stdio.h>
void main()
{
    FILE *fp = fopen("sample.txt", "r");
    int ch = getc(fp);
    while (ch != EOF)
    {
        putchar(ch);    /* display contents of file on screen */
        ch = getc(fp);
    }
    if (feof(fp))
        printf("\n End of file reached.");
    else
        printf("\n Something went wrong.");
    fclose(fp);
    getch();
}
```





Code Explanation:

```
File Edit Search Run Compile Debug Project Options Window Help
FE0F.C 1=1
#include <stdio.h>
void main()
{
    FILE *fp = fopen("sample.txt", "r"); ← 1
    int ch = getc(fp); ← 2
    clrscr();
    while (ch != EOF) ← 3
    {
        /* display contents of file on screen */
        putchar(ch); ← 4
        ch = getc(fp); ← 5
    }

    if (feof(fp)) ← 6
        printf("\n End of file reached.");
    else
        printf("\n Something went wrong.");
    fclose(fp);
    getch();
}
```

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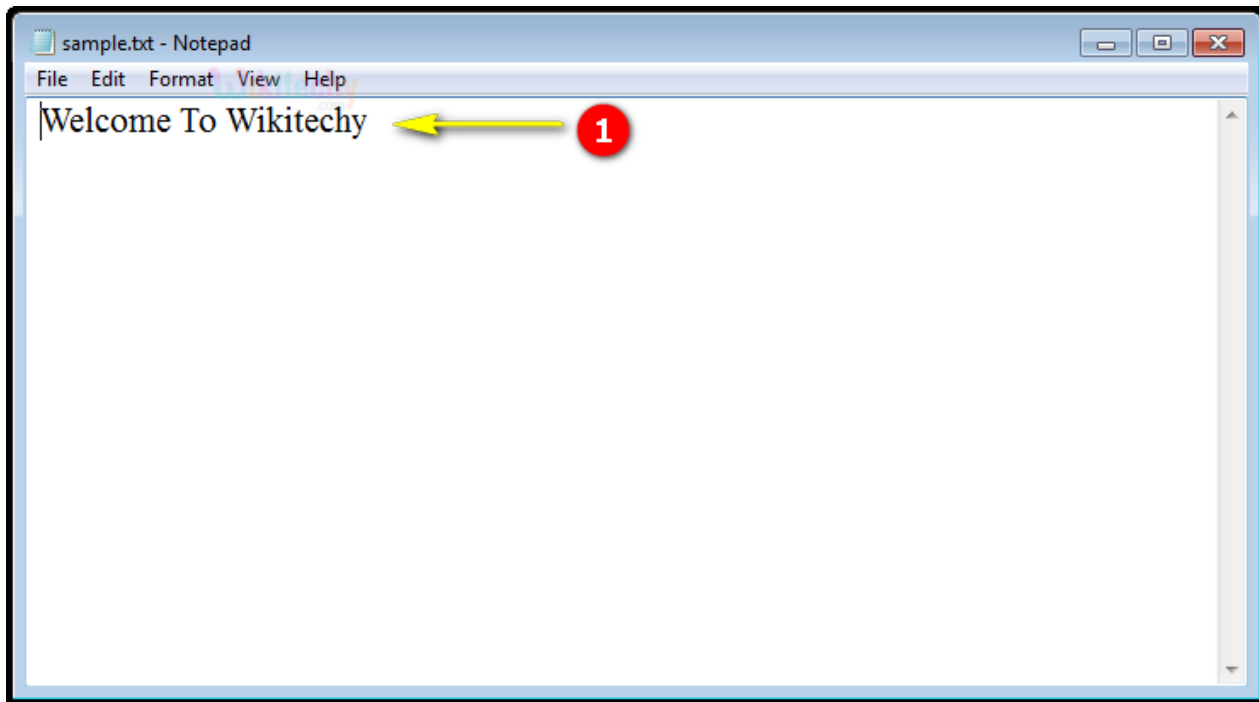
- ➊ In this statement we create a file pointer "fp".
- ➋ Here in this statement we get the input characters and the characters are assigned to the variable "ch".
- ➌ Here in this printf statement we check whether the file will reach the end of the text or not.
- ➍ In this statement we display the string in the output window using putchar function.
- ➎ Here in this statement we assign the characters in the variable "ch".





- 6 In this, **"if statement"** checks the string gets completed are not using feof function.

Sample Output:



- 1 Here we have shown the text **"Welcome To Wikitechy"** from the notepad file ["sample.txt"](#).





```
Welcome To Wikitechy  
End of file reached._
```

1

- 1 Here in this output, the statement **"Welcome To Wikitechy"** has been displayed using [getc function](#), when the end of the text reached it displays the text ["End of file reached"](#).

