

C LIBRARY FUNCTION - FSEEK

http://www.tutorialspoint.com/c_standard_library/c_function_fseek.htm

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Description

The C library function **int fseek***FILE * stream, longintoffset, intwhence* sets the file position of the **stream** to the given **offset**.

Declaration

Following is the declaration for fseek function.

```
int fseek(FILE *stream, long int offset, int whence)
```

Parameters

- **stream** – This is the pointer to a FILE object that identifies the stream.
- **offset** – This is the number of bytes to offset from whence.
- **whence** – This is the position from where offset is added. It is specified by one of the following constants –

Constant	Description
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SEEK_SET	Beginning of file
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SEEK_CUR	Current position of the file pointer
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SEEK_END	End of file
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Return Value

This function returns zero if successful, or else it returns a non-zero value.

Example

The following example shows the usage of fseek function.

```
#include <stdio.h>

int main ()
{
    FILE *fp;

    fp = fopen("file.txt", "w+");
    fputs("This is tutorialspoint.com", fp);

    fseek( fp, 7, SEEK_SET );
    fputs(" C Programming Language", fp);
    fclose(fp);

    return(0);
}
```

Let us compile and run the above program that will create a file **file.txt** with the following content. Initially program creates the file and writes *This is tutorialspoint.com* but later we had reset the write pointer at 7th position from the beginning and used puts statement which over-write the file with the following content –

This is C Programming Language

Now let's see the content of the above file using the following program –

```
#include <stdio.h>

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

    fp = fopen("file.txt", "r");
    while(1)
    {
        c = fgetc(fp);
        if( feof(fp) )
        {
            break;
        }
        printf("%c", c);
    }
    fclose(fp);
    return(0);
}
```

Let us compile and run the above program to produce the following result –

This is the C Programming Language

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