C LIBRARY FUNCTION - FPUTC

Description

The C library function **int fputc***intchar, FILE * stream* writes a character *anunsignedchar* specified by the argument **char** to the specified stream and advances the position indicator for the stream.

Declaration

Following is the declaration for fputc function.

```
int fputc(int char, FILE *stream)
```

Parameters

- **char** -- This is the character to be written. This is passed as its int promotion.
- **stream** -- This is the pointer to a FILE object that identifies the stream where the character is to be written.

Return Value

If there are no errors, the same character that has been written is returned. If an error occurs, EOF is returned and the error indicator is set.

Example

The following example shows the usage of fputc function.

```
#include <stdio.h>

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

   fp = fopen("file.txt", "w+");
   for( ch = 33 ; ch <= 100; ch++ )
   {
      fputc(ch, fp);
   }
   fclose(fp);

   return(0);
}
```

Let us compile and run the above program that will create a file **file.txt** in the current directory, which will have following content:

```
!"#$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcd
```

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 above program to produce the following result:

```
!"#$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcd
```