C LIBRARY FUNCTION - PUTC

Description

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

Declaration

Following is the declaration for putc function.

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

Parameters

- **char** -- This is the character to be written. The character 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

This function returns the character written as an unsigned char cast to an int or EOF on error.

Example

The following example shows the usage of putc function.

```c
#include <stdio.h>

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

   fp = fopen("file.txt", "w");
   for( ch = 33 ; ch <= 100; ch++ )
   {
      putc(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:

```c
#include <stdio.h>

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

   fp = fopen("file.txt","r");
   while(1)
   {
```

```c
      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:

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