C library function - fgetpos()

Description

The C library function **int fgetpos(FILE *stream, fpos_t *pos)** gets the current file position of the **stream** and writes it to **pos**.

Declaration

Following is the declaration for fgetpos() function.

```
int fgetpos(FILE *stream, fpos_t *pos)
```

Parameters

- **stream** − This is the pointer to a FILE object that identifies the stream.
- **pos** − This is the pointer to a fpos_t object.

Return Value

This function returns zero on success, else non-zero value in case of an error.

Example

The following example shows the usage of fgetpos() function.

```
#include <stdio.h>

int main () {
   FILE *fp;
   fpos_t position;

   fp = fopen("file.txt","w+");
   fgetpos(fp, &position);
   fputs("Hello, World!", fp);

   fsetpos(fp, &position);
   fputs("This is going to override previous content", fp);
   fclose(fp);

   return(0);
}
```

Let us compile and run the above program to create a file **file.txt** which will have the following content. First of all we get the initial position of the file using **fgetpos()** function and then we write *Hello, World!*in the file, but later we have used **fsetpos()** function to reset the write pointer at the beginning of the file and then over-write the file with the following content −

```
This is going to override previous content
```

Now let us see the content of the above file using the following program −

```
#include <stdio.h>

int main () {
   FILE *fp;
   int c;
   int n = 0;

   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 −

```
This is going to override previous content
```