putchar() function is a file handling function in C programming language which is used to write a character on standard output/screen. getchar() function is used to get/read a character from keyboard input. Please find below the description and syntax for above file handling function.

|  |  |
| --- | --- |
| **File operation** | **Declaration & Description** |
| putchar() | Declaration: int putchar(int char)  putchar() function is used to write a character on standard output/screen. In a C program, we can use putchar function as below.putchar(char);  where, char is a character variable/value. |
| getchar() | Declaration: int getchar(void)  getchar() function is used to get/read a character from keyboard input. In a C program, we can use getchar function as below. **getchar**(char);  where, char is a character variable/value. |

# **EXAMPLE PROGRAM FOR PUTCHAR(), GETCHAR() FUNCTIONS IN C PROGRAMMING LANGUAGE:**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15 | #include <stdio.h>  #include <ctype.h>  **int** main()  {  **char** c;  **printf**("Enter some character. Enter $ to exit...\n");  **while** (c != '$');     {        c = getchar();  **printf**("\n Entered character is: ");        putchar(c);  **printf**("\n")     }  **return** 0;  } |

#### **OUTPUT:**

|  |
| --- |
| Enter some character. Enter $ to exit… A Entered character is: A B Entered character is: B $  Entered character is: $ |

# **OTHER INBUILT FILE HANDLING FUNCTIONS IN C PROGRAMMING LANGUAGE:**

C programming language offers many other inbuilt functions for handling files. They are given below. Please click on each function name below to know more details, example programs, output for the respective file handling function.

|  |  |
| --- | --- |
| **File handling functions** | **Description** |
| [fopen ()](http://fresh2refresh.com/c-programming/c-file-handling/fopen-fclose-gets-fputs-functions-c/) | fopen () function creates a new file or opens an existing file. |
| [fclose ()](http://fresh2refresh.com/c-programming/c-file-handling/fopen-fclose-gets-fputs-functions-c/) | fclose () function closes an opened file. |
| [getw ()](http://fresh2refresh.com/c-programming/c-file-handling/getw-putw-functions-c/) | getw () function reads an integer from file. |
| [putw ()](http://fresh2refresh.com/c-programming/c-file-handling/getw-putw-functions-c/) | putw () functions writes an integer to file. |
| [fgetc ()](http://fresh2refresh.com/c-programming/c-file-handling/fgetc-function-c/) | fgetc () function reads a character from file. |
| [fputc ()](http://fresh2refresh.com/c-programming/c-file-handling/fputc-function-c/) | fputc () functions write a character to file. |
| [gets ()](http://fresh2refresh.com/c-programming/c-file-handling/fopen-fclose-gets-fputs-functions-c/) | gets () function reads line from keyboard. |
| [puts ()](http://fresh2refresh.com/c-programming/c-file-handling/puts-function-c/) | puts () function writes line to o/p screen. |
| [fgets ()](http://fresh2refresh.com/c-programming/c-file-handling/fgets-function-c/) | fgets () function reads string from a file, one line at a time. |
| [fputs ()](http://fresh2refresh.com/c-programming/c-file-handling/fopen-fclose-gets-fputs-functions-c/) | fputs () function writes string to a file. |
| [feof ()](http://fresh2refresh.com/c-programming/c-file-handling/feof-function-c/) | feof () function finds end of file. |
| [fgetchar ()](http://fresh2refresh.com/c-programming/c-file-handling/fgetchar-function-c/) | fgetchar () function reads a character from keyboard. |
| [fprintf ()](http://fresh2refresh.com/c-programming/c-file-handling/fscanf-fprintf-ftell-rewind-functions-c/) | fprintf () function writes formatted data to a file. |
| [fscanf ()](http://fresh2refresh.com/c-programming/c-file-handling/fscanf-fprintf-ftell-rewind-functions-c/) | fscanf () function reads formatted data from a file. |
| [fputchar ()](http://fresh2refresh.com/c-programming/c-file-handling/fputchar-function-c/) | fputchar () function writes a character onto the output screen from keyboard input. |
| [fseek ()](http://fresh2refresh.com/c-programming/c-file-handling/fseek-seek_set-seek_cur-seek_end-functions-c/) | fseek () function moves file pointer position to given location. |
| [SEEK\_SET](http://fresh2refresh.com/c-programming/c-file-handling/fseek-seek_set-seek_cur-seek_end-functions-c/) | SEEK\_SET moves file pointer position to the beginning of the file. |
| [SEEK\_CUR](http://fresh2refresh.com/c-programming/c-file-handling/fseek-seek_set-seek_cur-seek_end-functions-c/) | SEEK\_CUR moves file pointer position to given location. |
| [SEEK\_END](http://fresh2refresh.com/c-programming/c-file-handling/fseek-seek_set-seek_cur-seek_end-functions-c/) | SEEK\_END moves file pointer position to the end of file. |
| [ftell ()](http://fresh2refresh.com/c-programming/c-file-handling/fscanf-fprintf-ftell-rewind-functions-c/) | ftell () function gives current position of file pointer. |
| [rewind ()](http://fresh2refresh.com/c-programming/c-file-handling/fscanf-fprintf-ftell-rewind-functions-c/) | rewind () function moves file pointer position to the beginning of the file. |
| [getc ()](http://fresh2refresh.com/c-programming/c-file-handling/getc-putc-functions-c/) | getc () function reads character from file. |
| [getch ()](http://fresh2refresh.com/c-programming/c-file-handling/getch-function-c/) | getch () function reads character from keyboard. |
| [getche ()](http://fresh2refresh.com/c-programming/c-file-handling/getche-function-c/) | getche () function reads character from keyboard and echoes to o/p screen. |
| [**getchar ()**](http://fresh2refresh.com/c-programming/c-file-handling/putchar-getchar-function-c/) | getchar () function reads character from keyboard. |
| [putc ()](http://fresh2refresh.com/c-programming/c-file-handling/getc-putc-functions-c/) | putc () function writes a character to file. |
| [**putchar ()**](http://fresh2refresh.com/c-programming/c-file-handling/putchar-getchar-function-c/) | putchar () function writes a character to screen. |
| [printf ()](http://fresh2refresh.com/c-programming/c-file-handling/printf-scanf-functions-c/) | printf () function writes formatted data to screen. |
| [sprinf ()](http://fresh2refresh.com/c-programming/c-file-handling/sprintf-function-c/) | sprinf () function writes formatted output to string. |
| [scanf ()](http://fresh2refresh.com/c-programming/c-file-handling/printf-scanf-functions-c/) | scanf () function reads formatted data from keyboard. |
| [sscanf ()](http://fresh2refresh.com/c-programming/c-file-handling/sscanf-function-c/) | sscanf () function Reads formatted input from a string. |
| [remove ()](http://fresh2refresh.com/c-programming/c-file-handling/remove-function-c/) | remove () function deletes a file. |
| [fflush ()](http://fresh2refresh.com/c-programming/c-file-handling/fflush-function-c/) | fflush () function flushes a file. |