**FUNCTIONS**

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A function is a self contained block of statements enclosed between braces that performs a specific task.

**CLASSIFICATION OF FUCTIONS**

Functions can be classified into two categories:

1.library functions(or inbuilt functions)

2.user defined functions

**1.LIBRARY FUNCTIONS:**

Library functions that carry out input/output operations.

|  |  |  |
| --- | --- | --- |
| **functions** | **Return type** | **purpose** |
| gets | Char | Inputs string from standard input device. |
| puts | Int | Sends string to the standard output device. |
| printf() | Int | Sends data item to the standard output device. |
| scanf() | Int | Inputs data item from standard input device. |
| getchar() | Int | Inputs data items from standard input device. |
| putchar() | Int | Input single character from standard input device. |

***Some library functions in stdio.h file***

**2.USER DEFINED FUNCTIONS:**

The functions which are defined specifically by the user to meet his requirement are called **user defined functions.**

**COMPONENTS OF FUNCTIONS IN C-**

1. Function definition
2. Function declaration or prototype
3. Function call