Functions

Functions are named block of codes to perform a task which will be executed whenever invoked.

In C programming, functions are of two types

1. Library functions (Pre defined functions)
2. User- defined functions (functions created by the programmer)

Every functions in c programming has three parts

1. function declaration
2. function definition
3. function invocation

Function declaration: Introducing function to the compiler

syntax

return type function\_name(arguments data type separated by comma);

Function definition: defining the functions with the statements it has to perform when invoked.

syntax

return type function\_name(formal arguments sperated by comma)

{

function statements;

}

Function invokation: invoking the function and will lead to the execution of statements defined in function definition

syntax

function\_name(actual arguments separated by comma);

Function Types based number of arguments and return type

1. Functions with no arguments and no return value.
2. Functions with arguments but no return value.
3. Functions with arguments and return value.