

Functions

Functions are blocks of code written in program which executes when called from main function. They are used to perform certain actions and they are very important for reusing codes. We need to define the code once, and use it the code once.

Benefits

- Having all code inside the main function makes it little messy, functions help organize the code in a proper way.
- Functions helps to reduce the lines of code since we can reuse the functions as many times as we want in a program.
- Since functions help reduce code redundancy it helps testers to test the code efficiently.

The functions are really a big part of program. In fact, each program has minimum one function i.e. the main function ().

Format of function

Data type function name (input format input name)

e.g.: `int maxof (int a, int b)`

Functions must return a value and so at last we return an integer from function to give the value to the place from where the function is being called.

Calling a function

Functions can be called either from main function or any other function.

e.g.: `int p = maxof (s, t)`

where s and t were variables of integer data type defined before in the program. It provides s and t as input to the function which function maxof receives and then performs its codes and return the value which when called is stored in variable p as in the above example.