* Functions:
* **What is a Function**

**A function in C++ is a block of code that performs a specific task. It allows you to organize your code into reusable pieces. Functions make programs more modular, readable, and easier to debug.**

* **Function Declaration: Tells the compiler about the function name, return type, and parameters.**
* **Placed before the main () function or in a header file.**

**Syntax:**

**return\_type function name(parameter\_list);**

**Example:**

**int add(int, int);**

* **Function Definition: Contains the actual body of the function**

**Syntax:**

**return\_type function\_name(parameter\_list) {**

**// function body**

**}**

**Example:**

**int add (int a, int b) {**

**return a + b;**

**}**

* **Function Calling: Invokes or executes the function.**

**Can be called from main () or another function.**

**Syntax:**

**function\_name(arguments);**

**Example:**

**int result = add(5, 3); // result will be 8**