Date	23-06-2020	Name	PREETHAM S RAI
Course	C++ programming	USN	4AL18EC040
Topic	Data types, Arrays and points Functions	Section and semester	4th sem A sec
GitHub Repository	Psraipreetham		

Images
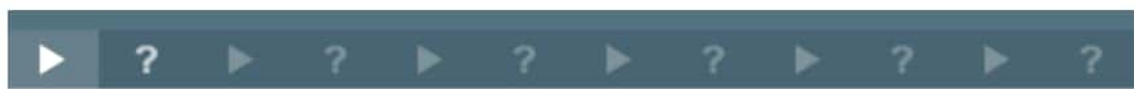
Functions

A **function** is a group of statements that perform a particular task.
You may define your own functions in C++.

Using functions can have many advantages, including the following:
- You can reuse the code within a function.
- You can easily test individual functions.
- If it's necessary to make any code modifications, you can make modifications within a single function, without altering the program structure.
- You can use the same function for different inputs.

ⓘ Every valid C++ program has at least one function - the **main()** function.

COMMENTS

CONTINUE

Data types, Arrays, Pointers

Introduction to Data Types

Int, float, double

String, char, bool

Variable naming rules : Variable names are case sensitive.

Arrays

Using arrays in loops: We can loop through the array elements with the for loop. Arrays in Calculations

Multi-Dimensional Arrays . Data in multidimensional arrays are stored in tabular form.

Introduction to pointer

Dynamic memory

The sizeof() Operator

Functions

Introduction to Functions (A function is a block of code that performs a specific task.)

Function Parameters [A function is a variable declared in the function declaration.]

Functions with Multiple Parameters :

The rand() Functions

Default argument

Function Overloading

Recursion

Passing Arrays to Functions

Pass by Reference with Pointers