**C++ Introduction**

**Statement:** Type of instruction that causes the program to perform some action.

* End in ‘;’.
* Types of statement:
  + *Declaration*
  + *Jump*
  + *Expression*
  + *Compound*
  + *Selection (conditionals)*
  + *Iteration (Loops)*
  + *Try Blocks*

**Function:** Collection of statements that get executed sequentially (top to bottom).

* ***Identifier:*** Name of function.
* Note: Every C++ program must have a function named **main.** When the program is run, the **main** function is executed in sequential order.

**Cout: “**Character Output”

**Syntax:** Rules that govern how sentences are constructed in a language.

* **Syntax error:** Violating syntax rules of a language, detected by the compiler.

**Quiz:**

What is a statement?

*A statement is an instruction that performs an action.*

What is a function?

*A function is a collection of statements that gets executed sequentially.*

What is the name of the function that all programs must have?

*The* ***main*** *function.*

When a program is run, where does the execution start?

*The execution starts from top to bottom. X (*Sol. Execution starts with the first statement inside the **main** function.)

What symbols are statements in C++ often ended with?

*The ‘;’ or semicolon symbol is used to end statements.*

What is a syntax error?

*A syntax error is a compile error (*occurs at compilation) *that happens with incorrect grammar of a programming language.*

What is the C++ standard library?

*A library containing basic functions. (*Sol. A library file is a collection of precompiled code that has been “packaged up” for reuse in other programs. The C++ standard library is a library that ships with C++. It contains additional functionality to use in your programs.)