**C++ Programming**

* C++ is a general Purpose Programming language.
* C++ has imperative, Object-oriented and generic programming features.

Standard C++ library header files:

🡪The Standard C++ Library can be categorized as follows:

* The Language Support Library
* The Diagnostics Library
* The General Utilities Library
* The Standard String Templates
* Localization Classes and Templates
* The Containers, Iterators and Algorithms Libraries (the Standard Template Library)
* The Standard Numerics Library
* The Standard Input/Output Library
* C++ Headers for the Standard C Library
* C++ Headers added with TR1

Comments in C++

* Single line Comments:

// *single line comments..*

* Multi-line comments:

*/\* multi-line comments.. \*/*

Basic Input and output in C++:

🡪Input Stream: if the direction of flow of bytes is from the device to the main memory then this process is called input.

🡪Output Stream: if the direction of flow of bytes is from the main memory to device then this process is called output stream.

Hello-world.cpp:

#include <iostream>  
using namespace std;  
  
int main() {  
  cout << "Hello World!";  
  return 0;  
}

Output:

Hello World!

Process returned 0 (0x0) execution time : 1.127 s

Press any key to continue.