**Task # 1 Write a program in C++ to compute the total and average of four numbers. (take values for numbers from the user at runtime)**

**Expected output**

Input 1st two numbers (separated by space) : 25 20  
Input last two numbers (separated by space) : 15 25  
The total of four numbers is : 85  
The average of four numbers is : 21.25

**Task # 2 In the following C++ program , change the C++ single line-style comments to C++ multiple line-style comments:**

#include<iostream.h>

using namespace std;

int main() {

// cout<<"Welcome \n!";

// cout<<"Programming \n!";

// cout<<"Fundamentals \n!";

// cout<<"in C++ \n!";

cout<<"End of Program";

return 0;

}

Output: Hello World

**Task # 3 Consider the C++ program in Task# 2, remove comments, replace escape sequence \n with endl manipulator and display the output on separate lines.**

**Task # 4 Write the #include statement for the standard C++ streams for input/output.**

**Task # 5 Write three C++ statements using cout, <<, and endl:**

1. one that defines three variables length, width, and area on one line.

(b) another that takes values for length and width variables from the user at runtime

(c) another that calculates and outputs the area. (Area=length \* width**)**

**Task # 6 Create a .cpp file with name variables.cpp and write the programming statements for the following:**

* [Create a variable without assigning the value, and assign it the value in later](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_int2) statement.
* [Assign a new value to an existing value (this will overwrite the previous value)](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_int3)
* [Create an unchangeable variable with the const keyword](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_const)
* Demonstrate the use of # define directive
* [Combine text and a variable on ou](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_display)tput (console window)
* [Add a variable to another variable](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_add)
* [Declare many variables of the same type with a comma-separated list](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_many) [Identifiers](https://www.w3schools.com/cpp/trycpp.asp?filename=demo_variables_identifiers)
* Define and Initialize two string variables of your own choice and concatenate both strings and display the final value.
* With suitable programming example explain the concept of signed and unsigned variables**. (Use comments for explanation)**

**What is a correct syntax to output "Hello World" in C++?**

Top of Form

**cout << "Hello World";**

cout << ‘ Hello World ’ ;

Cout"Hello World";

print ("Hello World");Bottom of Form

**How do you insert COMMENTS in C++ code?**

# This is a comment

**Top of Form**

**// This is a comment**

/\* This is a comment

Bottom of Form

**Which data type is used to create a variable that should store text?**

Top of Form

String

char

string variable

**Top of Form**

**string data type**

**Bottom of Form**

**How do you create a variable with the numeric value 5?**

Top of Form

Top of Form

double x = 5;

num x = 5

**int x = 5;**

x = 5;

Bottom of Form

**How do you create a variable with the floating number 2.8?**

Top of Form

Top of Form

Top of Form

int x = 2.8;

x = 2.8;

**double x = 2.8;**

****byte x = 2.8

Bottom of Form

**The value of a string variable can be surrounded by single quotes.**

**Top of Form**

**False**True

Bottom of Form

**Which header file lets us work with input and output objects?**

Top of Form

#include <iostream>

#include <iostream.h>

**iostream**

iostream.h

**cin and cout are :**

1. keywords b. data types **c. objects** d. C++Features

**int, char, float, bool etc.. are:**

1. C++ Features b. C++ keywords c. Variables d**. Datatypes**