**Lab manual 3!**

**Learning Objectives:**

The objectives of this first experiment are to make you familiar with data types, identifiers, basic operators, expressions and basic input/output.

**Example 1:**

Write a C++ program that finds the sum of two numbers.

**Code:**

#include<iostream> using namespace std;

/\* function main begins program execution \*/ int main()

{

int num1=5; /\* initializing an integer variable num1 to 5 \*/

int num2=9; /\* initializing a variable num2 of integer data type \*/ int sum=0; /\* variable sum in which sum will be stored \*/

sum= num1 + num2; /\* Adding both number \*/ cout<<"The sum is: "<<sum;

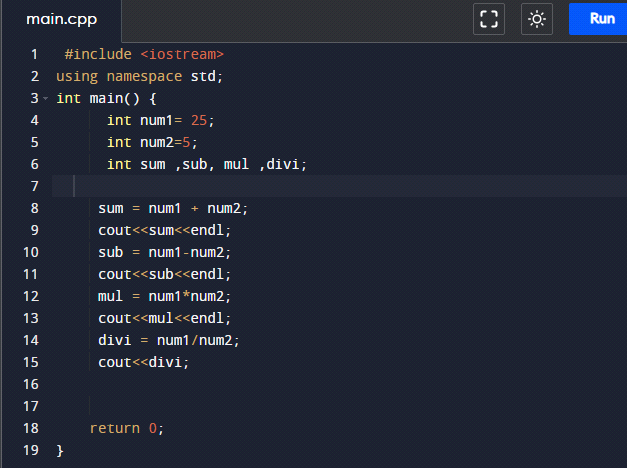
return 0; /\* indicate that program ended successfully \*/

} /\* end function main \*/

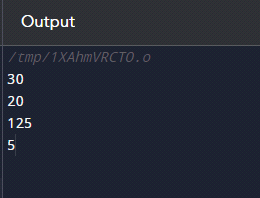
**Task 1:**

Write a C++ program to perform the basic arithmetic operations (addition, subtraction, multiplication, division, remainder).

**Input :**



Output :



**Example 2:**

Write a C++ program that input two numbers from user and calculate their sum .

**Code:**

#include<iostream> using namespace std;

/\* function main begins program execution \*/ int main()

{

int num1, num2, sum; /\* declairing variables \*/ cout<<"Enter two numbers";

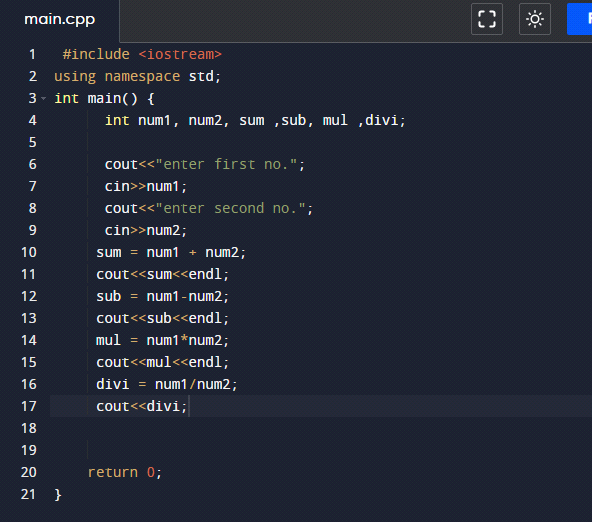
cin>>num1>>num2; /\*Reading two numbers from user \*/ sum= num1 + num2; /\* Adding both number \*/

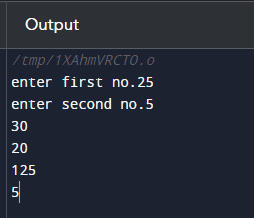
cout<<"The sum is: "<<sum; /\* Display the result of addition \*/ return 0; /\* indicate that program ended successfully \*/

} /\* end function main \*/

**Task 2:**

Write a C++ program that input two numbers from user and calculate basic arithmetic operations (addition, subtraction, multiplication, division, remainder).



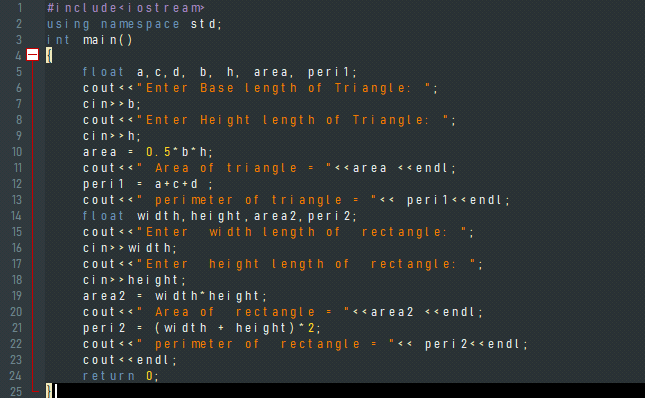


**Task 3:**

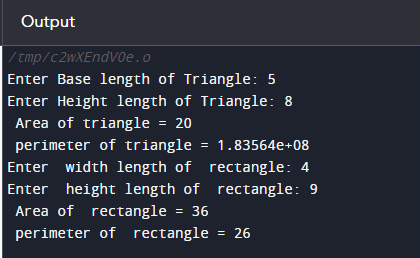
Write a C-Program to calculate area and Perimeter of the triangle and rectangle. [Area of triangle= ½ x base x vertical height , Perimeter of triangle = a + b + c]

[Area of rectangle= width x height , Perimeter of rectangle = 2( a + b)]

**Input :**



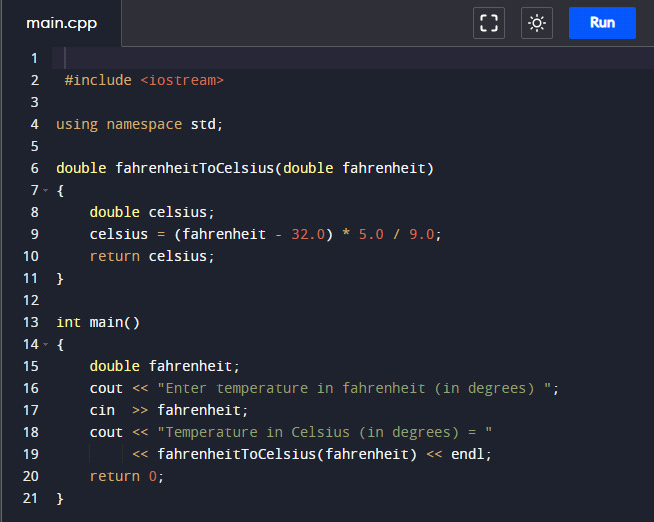
**Output :**



**Task 4:**

Write a C++ program to enter temperature in Fahrenheit and convert to Celsius.

**Input :**



**Output :**

