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**ROLL NO – 33**

**C++ PRACTICAL ASSIGNMENT – 25 NOV 2021**

**WRITE A C++ PROGRAM TO :**

**#1 Display an output**

**#2 Show basic arithmetic functions**

**#3 Take input from the user and display it**

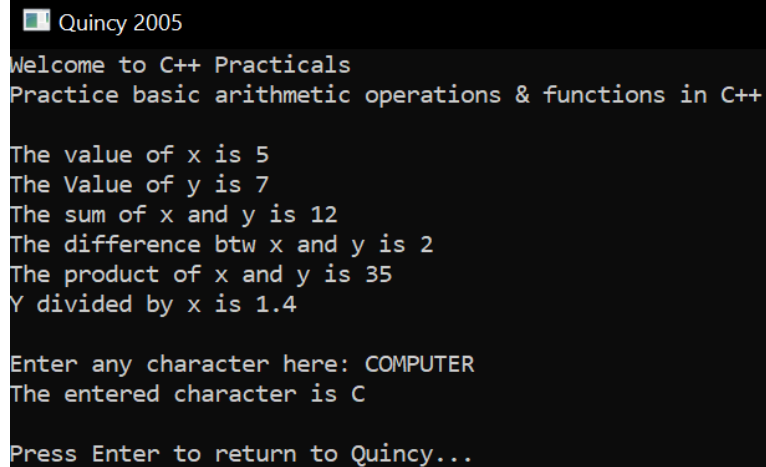
```
#include<iostream>
using namespace std;
int main()
{
//Display output using cout
    cout<<"Welcome to C++ Practicals "<<endl;
    cout<<"Practice basic arithmetic operations & functions ";
    cout<<"in C++ "<<endl;

//FOR x=5 and y=7, FOLLOWING FUNCTION USED THE BASIC ARITHMETIC OPERATIONS -
Addition, Subtraction , Multiplication and Division

    float x,y,sum,diff,prod,div;
        x=5;
        y=7;
        sum=x+y;
        diff=y-x;
        prod=x*y;
        div=y/x;
        cout<<"\nThe value of x is "<<x<<"\nThe Value of y is "<<y<< endl;
        cout<<"The sum of x and y is "<<sum<<endl;
        cout<<"The difference btw x and y is "<<diff<<endl;
        cout<<"The product of x and y is "<<prod<<endl;
        cout<<"Y divided by x is "<<div<<endl;

//TAKE INPUT USING cin OBJECT AND SHOW THE OUTPUT
    char ch;
    cout<<"\nEnter any character here ";
    cin>>ch;
    cout<<"The entered character is "<<ch<<endl;
```

```
return 0;
}
```



```
Quincy 2005
Welcome to C++ Practicals
Practice basic arithmetic operations & functions in C++

The value of x is 5
The Value of y is 7
The sum of x and y is 12
The difference btw x and y is 2
The product of x and y is 35
Y divided by x is 1.4

Enter any character here: COMPUTER
The entered character is C

Press Enter to return to Quincy...
```

#### **#4- PERFORMING ARITHMETIC OPERATIONS ON THE NUMBERS INPUT BY THE USER**

```
#include<iostream>
using namespace std;

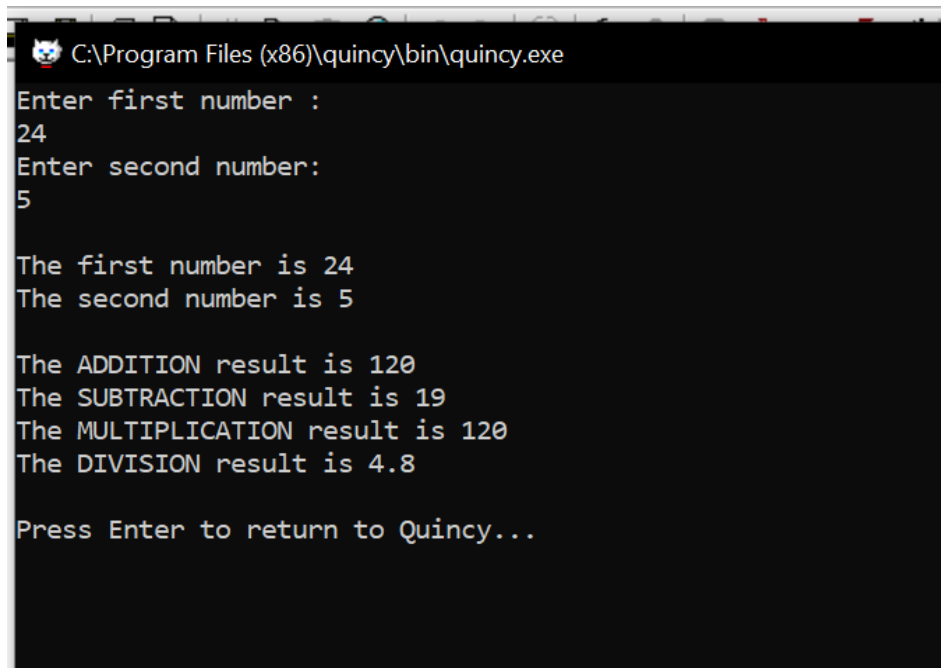
float sum(float x,float y){
    return x*y;
}
float diff(float x,float y){
    return x-y;
}
float prod(float x,float y){
    return x*y;
}
float divd(float x,float y){
    return x/y;
}

int main()
{
    float num1,num2,add,sub,mul,div;
    cout<<"Enter first number : "<<endl;
    cin>>num1;
    cout<<"Enter second number: "<<endl;
```

```
cin>>num2;
cout<<"\nThe first number is "<<num1<<endl;
cout<<"The second number is "<<num2<<endl;

add=sum(num1,num2);
sub=diff(num1,num2);
mul=prod(num1,num2);
div=divd(num1,num2);

cout<<"\nThe ADDITION result is "<<add<<endl;
cout<<"The SUBTRACTION result is "<<sub<<endl;
cout<<"The MULTIPLICATION result is "<<mul<<endl;
cout<<"The DIVISION result is "<<div<<endl;
}
```



```
C:\Program Files (x86)\quincy\bin\quincy.exe
Enter first number :
24
Enter second number:
5

The first number is 24
The second number is 5

The ADDITION result is 120
The SUBTRACTION result is 19
The MULTIPLICATION result is 120
The DIVISION result is 4.8

Press Enter to return to Quincy...
```