Lab task 3:

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Q.1. Write a C++ program which accomplishes the following;

- Declare a variable of type integer and name it num
- Initialize num with the last two digits of your registration number
- Display the value of num
- Change the value num to any other number of your choice
- Display the value of num

Source Code:

```cpp
#include<iostream>

using namespace std;

int main()

{

        int num=69;

        cout<<"the value of  the num is :"<<num<<endl;

        num=num+123;

        cout<<"the value of num is : "<<num<<endl;

        return 0;

}
```
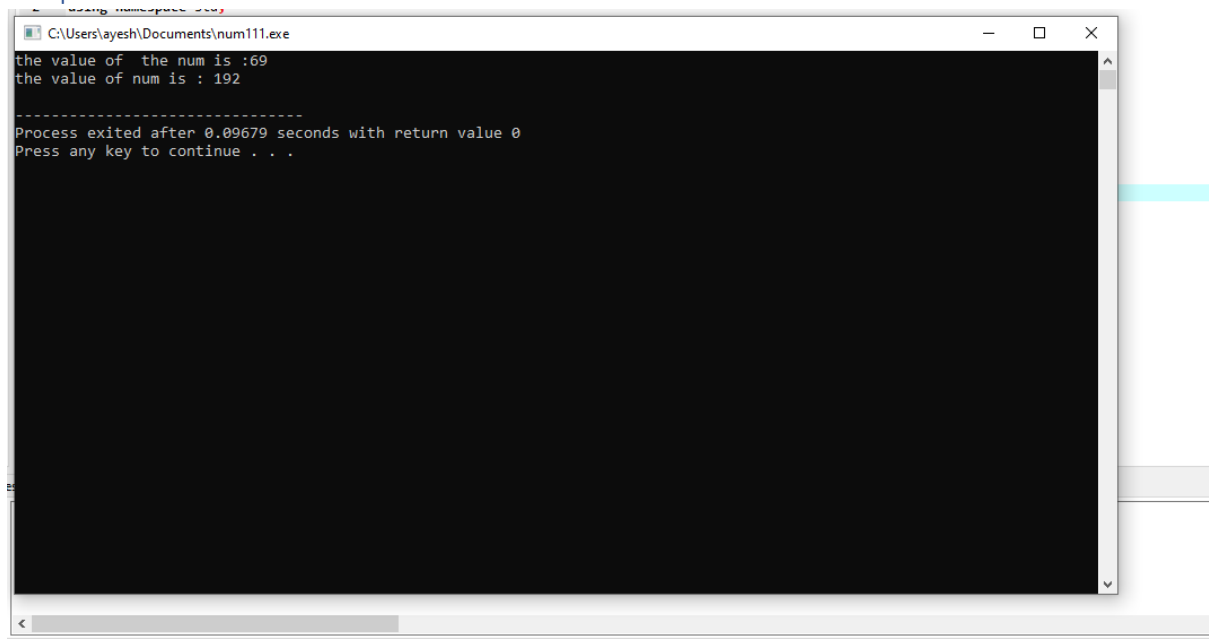
Output:

Q.2. Write a C++ program which inputs two numbers (type integer) from the user and display

the sum in the following format. For output display, enter the first number by taking the

last two digits of your registration number, and second number as the reverse of the first

number. For instance, if your registration number is 16PWBCS0624, then the sample

output should be of the following format;

Sample Output screen

Enter the first number : 24

Enter the second number : 42

Sum of 24 and 42 is : 66

Source code:

```cpp
#include<iostream>

using namespace std;

int main()

{

        int num1,num2,sum;

        cout<<"Enter the number";

        cin>>num1;

        cout<<"Enter the number ";

        cin>>num2;

        sum=num1+num2;

        cout<<"the sum of "<<num1<<" and "<<num2<<" is "<<sum<<endl;

        return 0;

}
```

Output:

```
C:\Users\ayesh\Documents\Untitled2.exe                    —  □  ×
Enter the number69
Enter the number 96
the sum of 69 and 96 is 165

------------------------------
Process exited after 7.17 seconds with return value 0
Press any key to continue . . .
```

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ayesh\Documents\Untitled2.exe
- Output Size: 1.83260917663574 MiB
- Compilation Time: 0.83s
```

Q.3. Write a C++ program to perform the following functions

▢ Ask a user to enter two numbers

▢ Display the following

o Sum of the numbers:

o Subtraction:

o Multiplication:

o Quotient:

o Remainder:

Note that for sample output, the first number should be the last two digits of your

registration number, and second number as the reverse of the first number.

Source code:

```cpp
#include<iostream>
using namespace std;
int main()
{
        int num1,num2,sum,sub,mult,quot,rem;
        cout<<"Enter the number";
        cin>>num1;


        cout<<"Enter the number ";
        cin>>num2;


        sum=num1+num2;          //function for sum
        cout<<"the sum of "<<num1<<" and "<<num2<<" is "<<sum<<endl;


        sub=num1-num2;       // function for subtraction
        cout<<"the subtraction of "<<num1<<" and "<<num2<<" is "<<sub<<endl;


        mult=num1*num2;    // function for multiplication
        cout<<"the multiplication of "<<num1<<" and "<<num2<<" is "<<mult<<endl;


        quot=num1%num2;    // function for quotient
        cout<<"the quotient of "<<num1<<" and "<<num2<<" is "<<quot<<endl;


        rem=num1/num2;  //function for reminder
        cout<<"the reminder of "<<num1<<" and "<<num2<<" is "<<rem<<endl;
```
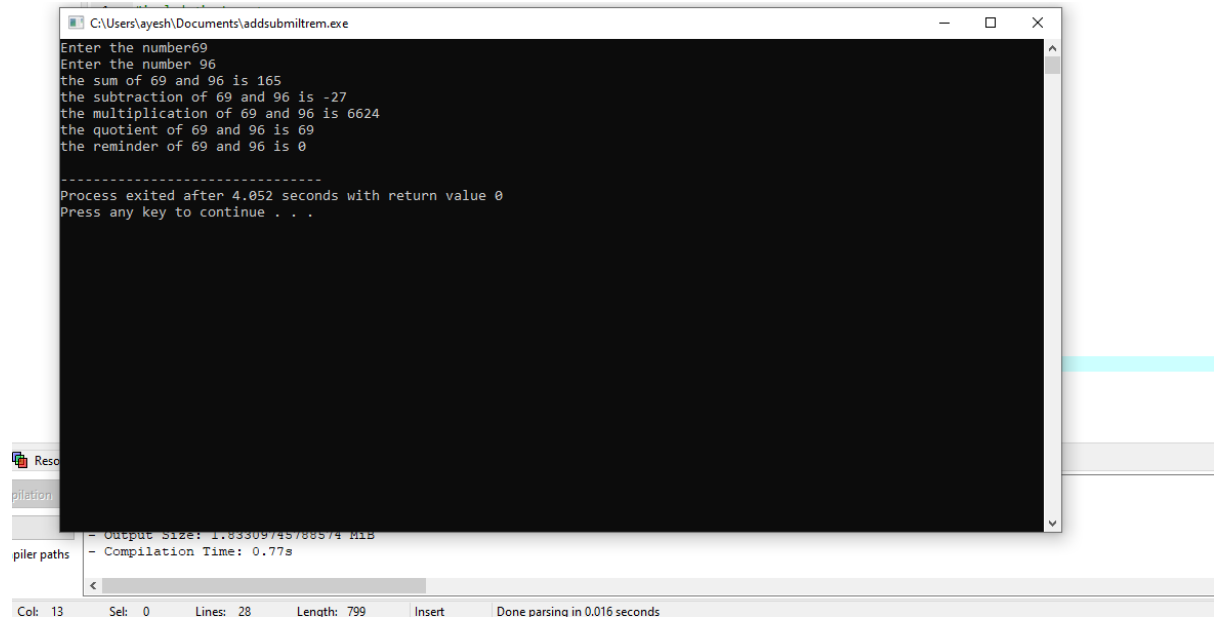
```
        return 0;

}
```

Output:

C:\Users\ayesh\Documents\addsubmiltrem.exe

```
Enter the number69
Enter the number 96
the sum of 69 and 96 is 165
the subtraction of 69 and 96 is -27
the multiplication of 69 and 96 is 6624
the quotient of 69 and 96 is 69
the reminder of 69 and 96 is 0

--------------------------------
Process exited after 4.052 seconds with return value 0
Press any key to continue . . .
```

Reso

pilation

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- Output Size: 1.833097457885/4 MiB
- Compilation Time: 0.77s

Col: 13   Sel: 0   Lines: 28   Length: 799   Insert   Done parsing in 0.016 seconds