

B.Tech Computer Engineering

Vth Semester

Lab 1

Sub: OOPS Lab

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Q1.) To perform various arithmetic operations such as addition, subtraction, division , modulus and multiplication using inline function.

```
#include <bits/stdc++.h>

using namespace std;

inline int add(int a, int b)
{
    return a + b;
}

inline int sub(int a, int b)
{
    return a - b;
}

inline int mult(int a, int b)
{
    return a * b;
}

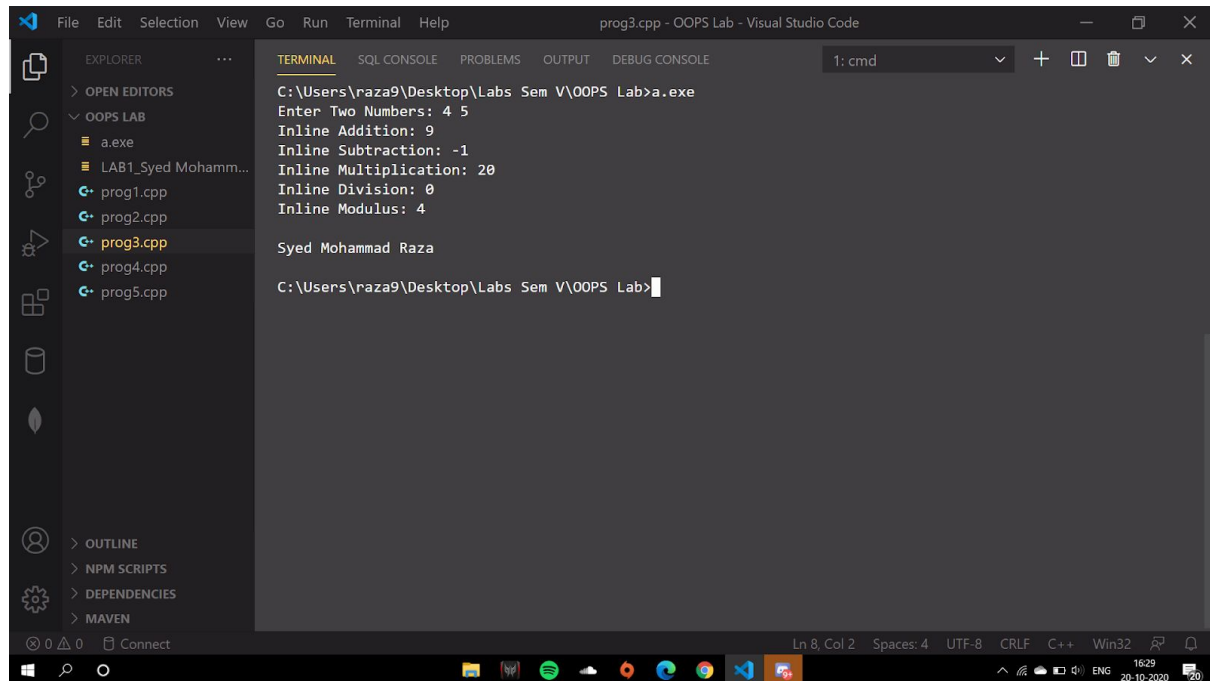
inline int divsn(int a, int b)
{
    return a / b;
}

inline int mod(int a, int b)
{
    return a % b;
}

int main()
{
    int x, y;
    cout << "Enter Two Numbers: ";
    cin >> x >> y;
    cout << "Inline Addition: " << add(x, y) << "\n";
    cout << "Inline Subtraction: " << sub(x, y) << "\n";
    cout << "Inline Multiplication: " << mult(x, y) << "\n";
    cout << "Inline Division: " << divsn(x, y) << "\n";
    cout << "Inline Modulus: " << mod(x, y) << "\n";
}
```

```
cout << "\n"  
    << "Syed Mohammad Raza"  
    << "\n";  
}
```

Output



The screenshot shows the Visual Studio Code interface with the 'TERMINAL' panel active. The terminal output displays the execution of a program that prompts for two numbers and performs various arithmetic operations. The output is as follows:

```
C:\Users\raza9\Desktop\Labs Sem V\OOPS Lab>a.exe  
Enter Two Numbers: 4 5  
Inline Addition: 9  
Inline Subtraction: -1  
Inline Multiplication: 20  
Inline Division: 0  
Inline Modulus: 4  
  
Syed Mohammad Raza  
  
C:\Users\raza9\Desktop\Labs Sem V\OOPS Lab>
```

The left sidebar shows the Explorer view with the file 'prog3.cpp' selected. The bottom status bar indicates the current line and column (Ln 8, Col 2) and the file encoding (UTF-8).