

ANAGHA ACHARYA

1BM19BT005

LAB-TEST PROGRAM 3: Create a library for operations like sum, difference multiplication and division of 2 numbers. Use appropriate concept of Java support and demonstrate the same.

```
package pack1;

public class Sum_Diff{
    int sum,diff;

    public void sum(int x, int y){
        sum=x+y;
        System.out.println("Sum= "+sum);
    }

    public void diff(int x, int y){
        diff=x-y;
        System.out.println("Diff= "+diff);
    }
}

package pack2;

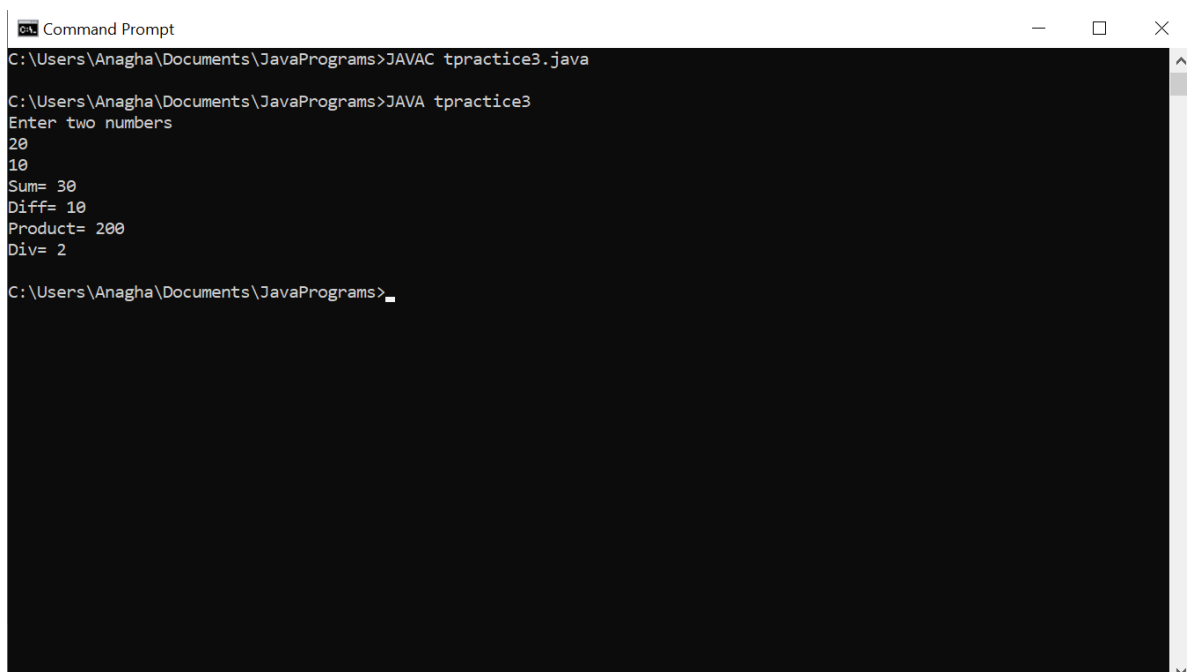
public class Mul_Div{
    int mul,div;

    public void mul(int x, int y){
        mul=x*y;
        System.out.println("Product= "+mul);
    }

    public void div(int x, int y){
        div=x/y;
        System.out.println("Div= "+div);
    }
}

import pack1.*;
import pack2.*;
import java.util.*;
```

```
class tpractice3{  
    public static void main(String args[]){  
        Scanner sc=new Scanner(System.in);  
        System.out.println("Enter two numbers");  
        int x=sc.nextInt();  
        int y=sc.nextInt();  
        pack1.Sum_Diff obj1=new pack1.Sum_Diff();  
        pack2.Mul_Div obj2=new pack2.Mul_Div();  
        obj1.sum(x,y);  
        obj1.diff(x,y);  
        obj2.mul(x,y);  
        obj2.div(x,y);  
    }  
}
```



The screenshot shows a Windows Command Prompt window titled "Command Prompt". The window has standard Windows window controls (minimize, maximize, close) in the top right corner. The command prompt shows the following sequence of commands and output:

```
C:\Users\Anagha\Documents\JavaPrograms>JAVAC tpractice3.java  
C:\Users\Anagha\Documents\JavaPrograms>JAVA tpractice3  
Enter two numbers  
20  
10  
Sum= 30  
Diff= 10  
Product= 200  
Div= 2  
C:\Users\Anagha\Documents\JavaPrograms>_
```

The output indicates that the program successfully compiled and executed, taking two input numbers (20 and 10) and calculating their sum (30), difference (10), product (200), and division (2).