

Extra Practical No : 2

Problem Statement : Write a program which takes two numbers and operation from the menu from the user and performs mathematical operation on entering two numbers. This shall continue until the exit option is selected from the menu.

Input : The values of A and B and the choice of mathematical operation.(Here A=10,B=5)

Program :

```
import java.util.Scanner;

public class ET24BTCO156function1
{

    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("\n enter the value of a:");
        double a=sc.nextDouble();

        System.out.println("\n enter the value of b:");
        double b=sc.nextDouble();

        System.out.println("\n your value of the a is :"+a);
        System.out.println("\n your value of the b is :"+b);

        System.out.println("\n1.+ \n2.- \n3.* \n4.% \n5./ ");

        System.out.println("\n choose any one operation that you want to perform
using these two number :");
        double c=sc.nextDouble();

        if(c==1)
        {
            double d=a+b;
```

```
        System.out.println("the sum is "+d);
    }
    if(c==2)
    {
        double d=a-b;
        System.out.println("the subtraction is "+d);
    }
    if(c==3)
    {
        double d=a*b;
        System.out.println("the multiplication is "+d);
    }
    if(c==4)
    {
        double d=a%b;
        System.out.println("the module is "+d);
    }
    if(c==5)
    {
        double d=a/b;
        System.out.println("the division is "+d);
    }

}

}
```

Output :

```
enter the value of a:
3

enter the value of b:
4

your value of the a is :3.0

your value of the b is :4.0

1.+
your value of the b is :4.0
your value of the b is :4.0

1.+
2.-
3.*
4.%
5./

choose any one operation that you want to perform using these two number :
3
the multiplication is 12.0

c:\Users\ventura\OneDrive\Documents\Desktop\ROYAL\ (JAVA-C) ET24BTCO156>
```