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Roll no: BSEF19M502

Subject: EAD

Topic: Connected Model

Program: Software Engineering

Section: Morning

Batch: F19

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```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Delegates
{
    0 references
    class Program
    {
        public delegate void Calculations(int a, int b);

        1 reference
        public static void addition(int a, int b)
        {
            Console.WriteLine("Sum of the given numbers is:"+( a + b));
        }

        1 reference
        public static void subtraction(int a, int b)
        {
            Console.WriteLine("Subtraction of the given numbers is:"+( a - b));
        }

        1 reference
        public static void division(int a, int b)
        {
            Console.WriteLine("Division of the given numbers is:"+( a / b));
        }

        1 reference
        public static void multiplication(int a, int b)
        {
            Console.WriteLine("Multiplication of the given numbers is:"+( a * b));
        }

        1 reference
    }
}

```

```

public static void mod(int a, int b)
{
    Console.WriteLine("MODulus of the given numbers is:" + (a % b));
}
References
static void Main(string[] args)
{
    Console.WriteLine("Azka Noreen");
    Console.WriteLine("Batch : Software Engineering");
    Console.WriteLine("Roll Number:BSEF19M502");

    Console.WriteLine("Enter first number: ");
    int n1 = int.Parse(Console.ReadLine());

    Console.WriteLine("Enter second number: ");
    int n2 = int.Parse(Console.ReadLine());

    Calculations dlg = new Calculations(addition);
    dlg(n1, n2);
    dlg = subtraction;
    dlg(n1, n2);

    dlg = division;
    dlg(n1, n2);

    dlg = multiplication;
    dlg(n1, n2);

    dlg = mod;
    dlg(n1, n2);

    Console.ReadKey();}
}

```

F:\Semester6\EAD\Home Tasks\HW8\Delegates\Delegates\bin\Debug\Delegates.exe

```

Azka Noreen
Batch : Software Engineering
Roll Number:BSEF19M502
Enter first number:
23
Enter second number:
12
Sum of the given numbers is:35
Subtraction of the given numbers is:11
Division of the given numbers is:1
Multiplication of the given numbers is:276
MODulus of the given numbers is:11

```