

CalculationsV6



```
/**
 * The Calculations class performs addition, subtraction,
 * multiplication, division, and modulus operations on integers and
 * decimals.
 *
 * @author Cole Current
 * @version 9/29/19
 */
public class CalculationsV6
{
    public static void main(String[ ] args)
    {
        //Defining Variables for Integers
        int iNum1 = 25;
        int iNum2 = 9;
        int iNum3 = 11;
        int iNum4 = 13;
        int iNum5 = 4;
        int iNum6 = 22;
        double dNum1 = 3.14;
        double dNum2 = 43.21;
        double dNum3 = 10.0;
        double dNum4 = 9.36;
        double dNum5 = 11.9;

        // Addition
        System.out.println("Addition");
        System.out.println( "25 + 9 = " + (iNum1 + iNum2));
        System.out.println( "43.21 + 3.14 + 10.0 = " + (dNum2 + dNum1 + dNum3));
        System.out.println();

        // Subtraction
        System.out.println("Subtraction");
        System.out.println( "11 - 9 - 25 = " + (iNum3 - iNum2 - iNum1));
        System.out.println( "3.14 - 10.0 = " + (dNum1 - dNum3));
        System.out.println();

        // Multiplication
        System.out.println("Multiplication");
        System.out.println( "25 * 9 = " + (iNum1 * iNum2));
        System.out.println( "3.14 * 10.0 * 10.0 = " + (dNum1 * dNum3 * dNum3));
        System.out.println();

        // Division
        System.out.println("Division");
        System.out.println( "9 / 25 = " + (iNum2 / iNum1));
        System.out.println( "43.21 / 10.0 = " + (dNum2 / dNum3));
        System.out.println();
    }
}
```

```
// Modulus operator
System.out.println("Modulus");
System.out.println( "11 % 9 = " + (iNum3 % iNum2));
System.out.println( "10.0 % 3.14 = " + (dNum3 % dNum1));
System.out.println();

// 2.03 Additional int Equations
System.out.println("Custom Integer Expressions");
System.out.println("11 + 4 = " + (iNum3 + iNum5));
System.out.println("22 * 13 = " + (iNum6 * iNum4));
System.out.println("25 % 4 = " + (iNum1 + iNum5));
System.out.println();

//2.04 Additional double Equations
System.out.println("Custom Double Expressions");
System.out.println("11.9 * 10.0 = " + (dNum5 * dNum3));
System.out.println("9.36 / 3.14 = " + (dNum4 / dNum1));
System.out.println("43.21 - 9.36 = " + (dNum2 - dNum4));
System.out.println();

} // end of main method
} // end of class
```

PROJECT TITLE: 2.04 Assignment

PURPOSE OF PROJECT: Calculator for basic arithmetic functions

VERSION or DATE: 9/29/19

HOW TO START THIS PROJECT: `public static void main(String[] args)`

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-----PMR-----

The project was pretty simple and repetitive as it was just going over very basic arithmetic functions

The mistake I made was that I kept forgetting to use `int` to declare the variable and just tried to input `iNum1` but it would never work. I got the hang of it by the time I had to declare doubles

In the future I'll remember to declare my variables