

Java Program - Calculator

Name: Swapnil Satish Kalshetti

Class: SE A

Roll no: CO2062

Subject: OOP & CG

Program Code:

```
import java.util.InputMismatchException;
import java.util.Scanner;

public class Calculator {

    public static void main(String[] args) {
        char op;
        Scanner sc = new Scanner(System.in);

        try {
            System.out.println("Enter First Number");
            int num1 = sc.nextInt();

            System.out.println("Enter Second Number");
            int num2 = sc.nextInt();

            int result = 0;
            System.out.println("Enter an Operator(+,-,*,/,%)");
            op = sc.next().charAt(0);

            switch (op) {
                case '+':
                    result = num1 + num2;
                    System.out.println("Addition is: " + result);
                    break;

                case '-':
                    result = num1 - num2;
                    System.out.println("Subtraction is: " + result);
                    break;
```

```

        case '*':
            result = num1 * num2;
            System.out.println("Multiplication is: " + result);
            break;

        case '/':
            try {
                result = num1 / num2;
                System.out.println("Division is: " + result);
            } catch (ArithmeticException e) {
                System.out.println("Error! Cannot divide by zero!");
            }
            break;

        case '%':
            try {
                result = num1 % num2;
                System.out.println("Modulus is: " + result);
            } catch (ArithmeticException e) {
                System.out.println("Error! Cannot divide by zero!");
            }
            break;

        default:
            System.out.println("Invalid Operator!");
    }

} catch (InputMismatchException e) {
    System.out.println("Error!! Please enter numbers only");
}

    sc.close();
}
}

```

Sample Output:

OUTPUT:

```

Enter First Number
5
Enter Second Number

```

7

Enter an Operator(+,-,*,/,%)

+

Addition is: 12

=== Code Execution Successful ===