

Java Program - Calculator

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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;
            }
        } catch (InputMismatchException e) {
            System.out.println("Please enter valid numbers");
        }
    }
}
```

```

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

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

case '%':
    try {
        result = num1 % num2;
        System.out.println("Modulus is: " + result);
    } catch (ArithmaticException 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 ===