

```

import java.util.Scanner;
public class Calculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        // Input numbers and operator
        System.out.print("Enter the first number: ");
        double num1 = scanner.nextDouble();
        System.out.print("Enter the operator (+, -, *, /): ");
        char op = scanner.next().charAt(0);
        System.out.print("Enter the second number: ");
        double num2 = scanner.nextDouble();
        double result;
        // Switch-case for calculator operations
        switch (op) {
            case '+':
                result = num1 + num2;
                System.out.println("Result: " + result);
                break;
            case '-':
                result = num1 - num2;
                System.out.println("Result: " + result);
                break;
            case '*':
                result = num1 * num2;
                System.out.println("Result: " + result);
                break;
            case '/':
                if (num2 != 0) {
                    result = num1 / num2;
                    System.out.println("Result: " + result);
                } else {
                    System.out.println("Error: Division by zero is not allowed.");
                }
                break;
            default:
                System.out.println("Error: Invalid operator.");
        }
        scanner.close();
    }
}

```

```
Enter the first number: 5
```

Enter the second number: 5

Result: 10.0

```
Process finished with exit code 0
```