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// Task 2: Java Program for a Simple Calculator

import java.util.Scanner;
public class SimpleCalculator {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter first number: ");
        double num1 = scanner.nextDouble();
        System.out.print("Enter second number: ");
        double num2 = scanner.nextDouble();
        System.out.print("Enter operator (+, -, *, /): ");
        char operator = scanner.next().charAt(0);
        double result;
        switch (operator) {
            case '+':
                result = num1 + num2;
                break;
            case '-':
                result = num1 - num2;
                break;
            case '*':
                result = num1 * num2;
                break;
            case '/':
                if (num2 != 0) {
                    result = num1 / num2;
                } else {
                    System.out.println("Error! Division by zero.");
                    return;
                }
                break;
            default:
                System.out.println("Invalid operator.");
                return;
        }
        System.out.println("Result: " + result);
        scanner.close();
    }
}
```