

CALCULATOR APP USING JAVA

PROGRAM:

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        try {
            // Prompt user for input
            System.out.print("Enter the first number: ");
            double num1 = scanner.nextDouble();

            System.out.print("Enter the second number: ");
            double num2 = scanner.nextDouble();

            System.out.print("Enter the operator (+, -, *, /): ");
            char operator = scanner.next().charAt(0);

            // Perform arithmetic operation
            double result = calculate(num1, num2, operator);

            // Display the result
            System.out.println("Result: " + result);
        } catch (Exception e) {
```

```

        System.out.println("Error: " + e.getMessage());
    } finally {
        scanner.close();
    }
}

private static double calculate(double num1, double num2, char operator) {
    switch (operator) {
        case '+':
            return num1 + num2;
        case '-':
            return num1 - num2;
        case '*':
            return num1 * num2;
        case '/':
            if (num2 == 0) {
                throw new ArithmeticException("Division by zero is not
allowed.");
            }
            return num1 / num2;
        default:
            throw new IllegalArgumentException("Invalid operator. Please use +,
-, *, or ./.");
    }
}
}

```