import java.util.Scanner;

public class BasicCalculator {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Prompt user to enter two numbers

System.out.print("Enter the first number: ");

double num1 = scanner.nextDouble();

System.out.print("Enter the second number: ");

double num2 = scanner.nextDouble();

// Prompt user to choose an operation

System.out.println("Choose an operation:");

System.out.println("1. Addition (+)");

System.out.println("2. Subtraction (-)");

System.out.println("3. Multiplication (\*)");

System.out.println("4. Division (/)");

System.out.print("Enter your choice: ");

int choice = scanner.nextInt();

double result = 0;

// Perform the selected operation

switch (choice) {

case 1:

result = num1 + num2;

break;

case 2:

result = num1 - num2;

break;

case 3:

result = num1 \* num2;

break;

case 4:

if (num2 != 0) {

result = num1 / num2;

} else {

System.out.println("Error: Division by zero");

return;

}

break;

default:

System.out.println("Invalid choice");

return;

}

// Display the result

System.out.println("Result: " + result);

scanner.close();

}

}