import java.util.Scanner;

public class ArithmeticCalculator

{

public static void main(String[] args)

{

Scanner scanner = new Scanner(System.in);

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

double num1 = scanner.nextDouble();

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

double num2 = scanner.nextDouble();

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 (1-4): ");

int choice = scanner.nextInt();

double result;

if (choice == 1)

{

result = num1 + num2;

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

}

else if (choice == 2)

{

result = num1 - num2;

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

}

else if (choice == 3)

{

result = num1 \* num2;

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

}

else if (choice == 4)

{

if (num2 != 0)

{

result = num1 / num2;

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

}

else

{

System.out.println("Cannot divide by zero.");

}

}

else

{

System.out.println("Invalid choice. Please enter a number between 1 and 4.");

}

scanner.close();

}

}