import java.util.Scanner;

public class ArithmeticChatApp {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("Enter your desired operation (+, -, \*, /, or q to quit):");

String operation = scanner.nextLine().trim().toLowerCase();

if (operation.equals("q")) {

break;

}

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

double num1 = Double.parseDouble(scanner.nextLine());

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

double num2 = Double.parseDouble(scanner.nextLine());

double result = 0;

switch (operation) {

case "+":

result = num1 + num2;

break;

case "-":

result = num1 - num2;

break;

case "\*":

result = num1 \* num2;

break;

case "/":

if (num2 == 0) {

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

} else {

result = num1 / num2;

}

break;

default:

System.out.println("Invalid operation. Please try again.");

continue;

}

System.out.println("The result is: " + result);

}

System.out.println("Thanks for using the Arithmetic Chat App!");

}

}