// Wap to design a string class that perform string methods equal reverse and case sense

import java.util.Scanner;

// Custom String class

class CustomString {

 private String str;

 // Constructor to initialize the string

 public CustomString(String str) {

 this.str = str;

 }

 // Method to check if two strings are equal (case-sensitive)

 public boolean equals(CustomString other) {

 return this.str.equals(other.str);

 }

 // Method to check if two strings are equal (case-insensitive)

 public boolean equalsIgnoreCase(CustomString other) {

 return this.str.equalsIgnoreCase(other.str);

 }

 // Method to reverse the string

 public String reverse() {

 StringBuilder reversed = new StringBuilder(this.str);

 return reversed.reverse().toString();

 }

 // Getter method to return the original string

 public String getString() {

 return this.str;

 }

}

// Main class to run the example

public class Main {

 public static void main(String[] args) {

 Scanner scanner = new Scanner(System.in); // Create a Scanner object for user input

 // Input the first string

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

 String input1 = scanner.nextLine();

 CustomString str1 = new CustomString(input1);

 // Input the second string

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

 String input2 = scanner.nextLine();

 CustomString str2 = new CustomString(input2);

 // Check if strings are equal (case-sensitive)

 System.out.println("Are the strings equal (case-sensitive)? " + str1.equals(str2));

 // Check if strings are equal (case-insensitive)

 System.out.println("Are the strings equal (case-insensitive)? " + str1.equalsIgnoreCase(str2));

 // Reverse the first string

 System.out.println("Reversed first string: " + str1.reverse());

 // Reverse the second string

 System.out.println("Reversed second string: " + str2.reverse());

 scanner.close(); // Close the Scanner object

 }

}