Q1Sorting a Numeric Array

Program and output

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                                 🖹 💲 🖟 🖟 🗓 Q2BalancedParentheses.java 🔟 Q1Sorting_a_Numeric_Array.java 🗶
                                                                                                                                                                                                                     - 0
∨ 👑 clg
                                                          1 package LAB1;
                                                          package LABI;
import java.util.Scanner;
public class QISorting_a_Numeric_Array {
   public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
}
  > 🕮 src/main/java

√ 

∰ src/test/java

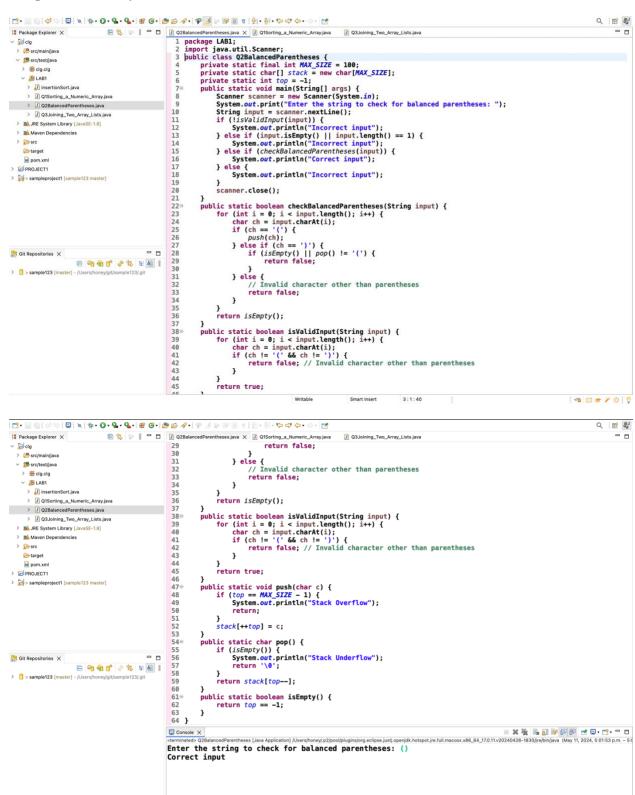
    > de cla.cla
    ∨ Æ LAB1
                                                                          // Prompt the user to input the array size
System.out.print("Enter the size of the array: ");
int size = scanner.nextInt();
int[] array = new int[size];
      ) InsertionSort.iava
                                                          7
> ① Q1Sorting_a_Numeric_Array.java
     Q2BalancedParentheses.java
                                                          9
      Q3Joining_Two_Array_Lists.java
                                                                          int(| array = new int(size);
// Prompt the user to enter each element of the array
for (int i = 0; i < size; i++) {
    System.out.print("Enter element " + (i+1) + ": ");
    array[i] = scanner.nextInt();</pre>
                                                         10
  > M JRE System Library [JavaSE-1.8]
                                                         11
                                                        12
  > 🥦 src
                                                         13

    ⇔ target

                                                         14
     pom.xml
                                                                           // Sort the array
                                                         15
> PROJECT1
                                                        16
                                                                          bubbleSort(array);
> sampleproject1 [sample123 master]
                                                                          // Display the sorted array
System.out.println("Sorted array:");
                                                        17
                                                         18
                                                         19
                                                                          for (int num : array) {
                                                                                System.out.print(num + " ");
                                                        20
                                                        21
                                                        22
                                                                          scanner.close();
                                                         23
                                                         24
                                                                    // Bubble sort algorithm for sorting the array
                                                                    25€
                                                - 0
                                                         26
                       27
> [] > sample123 [master] - /Users/honey/git/sample123/.git
                                                         28
                                                         29
                                                                                             // swap temp and array[i]
int temp = array[j];
array[j] = array[j+1];
array[i+1] - temp.
                                                        30
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                                                         32
                                                         33
                                                                                                                                                                              ■ X ¾ 📭 🔐 🔛 🗗 ゼ 🖸 • 📸 • 🗆 🗆
                                                       Console X
                                                                          g_a_Numeric_Array [Java Application] /Users/honey/, p2/pool/plugins/org.eclipse.justj.openjdk.hotspot.jre.full.macosx.x86_64_17.0.11.x20240426-1830/jre/bin/java (May 11, 2024, 5:00:33 p.m.
                                                       Enter the size of the array: 3
                                                       Enter element 1: 20
Enter element 2: 30
                                                       Enter element 3: 40
                                                       Sorted array:
                                                       40 30 20
                                                                                                                                                                                                    1 0 m = 7 0 0
```

Q2 Implementing a Stack as an Array

Program and output



Q.3 - Joining Two Array Lists

Program and output

