CSC 1103 Section 1 & 6 OOP Lab Test 2

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1. (Menu and price)

2. (Sorted)

```
Sorted.java x
                                                                                                                     TERMINAL
                                                                                                                                                                               *** 1: bash
                                                                                                                                                                                                        ▼ + 🗎 < 🖵 >
      import java.util.Scanner;
import java.util.Arrays;
                                                                                                                                         [syamekkk@island LabTest2]$ javac Sorted.java && java Sorted
                                                                                                                                         Enter total integers: 9
Enter list: 8 10 1 5 16 61 9 11 1
            public static void main(String[] args) {
   System.out.print("Enter total integers: ");
                                                                                                                                         [syamekkk@island LabTest2]$ javac Sorted.java && java Sorted
Enter total integers: 10
Enter list: 10 20 30 40 50 60 70 80 90 100
                   int[] list = new int[n];
                                                                                                                                         The list is already sorted
                  System.out.print("Enter list: ");
for (int i = 0; i < n; ++i)
    list[i] = input.nextInt();</pre>
                                                                                                                                         [syamekkk@island LabTest2]$ 🛚
                  if (isSorted(list))
    System.out.println("The list is already sorted\n");
                  int[] list2 = new int[list.length];
System.arraycopy(list, 0, list2, 0, list.length);
                  Arrays.sort(list2);
return Arrays.equals(list, list2); // list == list2 ?
```

3. (Student's score)

```
StudentScore.java 🗴
                                                                                                                                                                                                                                                                         1: bash
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                                                                                                                                                                                                                                                                                                         Enter # of students: 10
Enter student's score for student 1: 10
Enter student's score for student 2: 30
Enter student's score for student 3: 45
Enter student's score for student 4: 55
Enter student's score for student 5: 60
Enter student's score for student 6: 58
Enter student's score for student 7: 64
Enter student's score for student 8: 65
Enter student's score for student 8: 65
Enter student's score for student 8: 65
Enter student's score for student 9: 80
Enter student's score for student 10: 87

# of students obtained grade 4: 2 (20: 0.87
2
                             public class StudentScore {
   private static Scanner input = new Scanner(System.in);
   public static void main(String[] args) {
      System.out.print("Enter # of students: ");
      int total_students = input.nextInt();
}
84
                                                 double[] score = new double[total students]:
%
                                                for (int i = 0; i < total_students; ++i) {
    System.out.print("Enter student's score for student " + (i + 1) + ": ");
    score[i] = input.nextDouble();</pre>
Ů.
                                                                                                                                                                                                                                                                                                         # of students obtained grade A: 2 (20.0 %)
# of students obtained grade B: 1 (10.0 %)
# of students obtained grade C: 4 (40.0 %)
# of students obtained grade D: 1 (10.0 %)
# of students obtained grade E: 2 (20.0 %)
[syamekkk@island LabTest2]$
                                                public static double calcPercentage(int grade, int tStudents) {
    return grade * 100.0 / tStudents;
🔼 Ln 2, Col 1 Spaces: 4 UTF-8 LF Java 🙂
```