# Hands-on Experiment # 8 : Worksheet

Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

No more than 3 students per one submission of this worksheet.

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## Sorting.

We are revisiting the processing of *score.csv* again. Now that we know how to use array, things should be much simpler. Also, this time, you are also given with a class called *StudentScore* which is designed so that all scores of a student with a specific ID are stored in a single object of *StudentScore*.

First, study, compile and run *TestStudentScore.java* so that you get some idea of how the *StudentScore* class can be used.

Explain what each statement in TestStudentScore.java does.

Line 1: Class Declaration

Line 2: Main method declaration

Line 3: Sets Boolean withHeader to a value of true; this Boolean is used to set whether the header is shown when results are printed

Line 4: Assigns s1 to a studentScore object with ID 5630000021, scores 10,10,9,8,7 respectively

Line 5: Prints the score results stored in s1 with a header

Line 6: (Empty line)

Line 7: Sets Boolean withHeader to a value of false; no more header is shown when results are printed

Line 8: Assigns s2 to a studentScore object with ID 5630000121, scores 8,8,10,6,5 respectively

Line 9: Prints the score results stored in s1 without a header

Line 10: (Closing bracket for main method)

Line 11: (Closing bracket for class)

Complete *ScoreSort.java*.

Include the screenshots below.

A close up of a sign

Description automatically generated

A picture containing computer

Description automatically generated

List all your source code here.

A screenshot of text

Description automatically generated

Submit this worksheet (by only one member of the group) via <http://www.myCourseVille.com> (Assignments > Hands-on Experiment # 8) **within the day after your lecture**.