Assignment 6

Before attempting this project, be sure you have completed all of the reading assignments, non-graded exercises, discussions, and assignments to date.

Write a Java program as follows:
1. Prompt user for the number of students
2. For each student have user enter student's name and exam score (0-100)
3. Store names and scores in separate arrays
4. Code method which gets integer array and uses for-loop to find the index of the smallest value
5. Code method which gets integer array and uses for-loop to find the index of the largest value
6. Output all students with their scores
7. Output which student has highest exam score and which student has lowest exam score

Make sure your Java program is using the recommended style such as:

- Javadoc comment up front with your name as author, date, and brief purpose of the program
- Comments for variables and blocks of code to describe major functionality
- Meaningful variable names and prompts
- Identifiers are written in upper CamelCase
- Class name starts with upper case letter and variables in lower case letter
- Constants are written in All Capitals
- Use proper spacing and empty lines to make code human readable

Capture execution:
You should capture and label screen capture associated with compiling your code, and running a test case.

Here is a sample run:

RUN:

```
How many students do you want to enter: 3
Student 1:
     Enter student's name:  John Smith
     Enter student's score (0-100):  80
Student 2:
     Enter student's name:  Jane Cebula
     Enter student's score (0-100):  98
Student 3:
     Enter student's name:  Ginny Jones
     Enter student's score (0-100):  75



John Smith         80
Jane Cebula        98
```

```
Ginny Jones        75

Jane Cebula has the highest score => 98 and Ginny Jones has the lowest score => 75
```

Submission requirements

Deliverables include Java program (.java) and a single Word (or PDF) document. The Java and Word/PDF files should be named appropriately for the assignment (as indicated in the SubmissionRequirements document.

The word (or PDF) document should include screen captures showing the successful compiling and running of each of the test cases. Each screen capture should be properly labeled clearly indicated what the screen capture represents.

Submit your files to Assignment 6 submission area no later than the due date listed in your online classroom.

Grading Rubric:
The following grading rubric will be used to determine your grade:

Attribute	**Level (15-20 points)**	**Level (5-15 points)**	**Level 0 (0 - 5 points)**
Input and arrays	Correct or almost correct prompts and captured input in arrays	Mistakes in prompts and/or capture of input and/or arrays	Missing or close to missing user input and/or use of arrays
Output	Correct or almost correct output	Mistakes in output	Missing or significantly incorrect output
Methods for min and max values	Code is correctly implemented using methods	Code has mistakes	Code is missing the methods
Test Case	Correct or almost correct test case and test execution	Mistakes or incomplete execution	Missing or significantly incorrect test case
Program documentation and style	Correct or almost correct program comments, identifiers, and screen captures	Mistakes or incomplete documentation and/or style	Missing or significantly incorrect documentation and/or style