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 teams
2. For each team have the user enter team's name and judge's score (400-1000)
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 teams with their scores
7. Output which team has the highest judge's score and which team has the lowest judge's score

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

- Javadoc comment upfront 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 teams do you want to enter: 3
Team 1:
     Enter team's name: Lucky Lizards
     Enter team's score (0-100):  500
Team 2:
     Enter team's name: Righteous Rabbits
     Enter team's score (0-100):  650
Team 3:
     Enter team's name: Brave Badgers
     Enter team's score (0-100):  475



Lucky Lizards     500
Righteous Rabbits 650
```

```
Brave Badgers      475

The Righteous Rabbits have the highest score => 650 and The Brave Badgers have the
lowest score => 475
```

Submission requirements

Deliverables include a Java program (.java) and a single Word (or PDF) document. The Java andWord/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 and indicate what the screen capture represents.

Submit your files to the Assignment 6 submission area no later than the due date listed in youronline 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 one incorrect prompt and captured input in arrays	Two mistakes in prompts and/or capture of input and/or arrays	Three or more missing elements, missing user input and/or use of arrays
Output	Correct or one element of incorrect output	Two mistakes in output	Three or more missing elements or significantly incorrect output
Methods for min and max values	Code is correctly implemented using methods	Code has mistakes but uses methods	Code does not use methods
Test Case	Correct or one incorrect test case and test execution	Two mistakes or incomplete test cases and execution	Three or more missing or significantly incorrect test cases
Program documentation and style	Correct or one missing program comment, identifier, and/or screen capture	Two incorrect or incomplete documentation and/or style elements	Three or more missing or significantly incorrect documentation and/or style elements