COSC 1436, Professor Clark

Assignment 7a: 8 points

Create a program: Diving Judging Program

Your goal is to create a program that will determine the raw score for a dive. In a diving competition, there are 5 judges who each award a dive scores between 0 and 10. The lowest and highest scores are thrown out, and the diver's raw score is the sum of the three middle scores.

For example, if the scores for a dive were: 7.5, 7, 7.5, 5.5, and 6, the 5.5 and one of the 7.5 scores would be thrown out. The raw score for this dive would be 20.5 (7.5+7+6).

Your program should have the following:
- 3 comment lines (description of the program, author, and date).
- An array to hold the judging scores. (1 point)
- Have the program prompt the user to enter five judge's scores for the dive, and store those 5 values in the array. (2 points)
- Determine the highest and lowest scores in the array. Note that the code to do this is in the slides! (1 point)
- Correctly determine the raw score of the dive, using the algorithm given in the example above. (2 points)
- Display a message to the user that shows the 5 scores entered, the two scores that were dropped, and the final raw score of the dive. (2 points)

Turn in a .txt file to Canvas with your name, section number, all output, and source code.

Example Output:

```
Welcome to the Dive Judging Calculator!
Please enter the five judging scores for the dive:
Dive 1: 6.5
Dive 2: 7
Dive 3: 5.5
Dive 4: 7
Dive 5: 6

The results are in!  Here were the 5 judges scores: 6.5  7  5.5  7  6
The highest score of 7 and the lowest score of 5.5 were dropped.
The raw score for this dive is: 19.5
```