P4HW1 Instructions

Introduction:

Assignment assess student ability to edit and enhance exiting programs

Instructions:

For assignment P4HW1, you will build on P2HW2 assignment. Instead of an individual statement to collect each score, the program will use a loop. Also, after displaying score average (after dropping lowest score) , the program is to display a letter grade for the calculated average.

For more details, follow instructions below.

Instructions:

- Create a new Python code file named P4HW1_LastnameFirstname.py (replace "LastnameFirstname" with your own name)
- Add a title comment block to the top of the new Python file using the following form:

```
# Your Name
# Date
 # Assignment Name
 # A brief description of the project
```

- Ask user to enter for number of scores they would like to enter. (10 points)
- Create a loop to collect the number of scores the user wants to enter. (25 points)
- Note every time a score is entered, the following should be done
  - Evaluate if the score is valid, it should be between 0 and 100 .
  - If it is not, notify the user and ask for a VALID score to be entered. (20 points)
    - Think of using another loop

See output example below:

```
How many scores do you want to enter? 5

Enter score #1: 67
Enter score #2: 75
Enter score #3: -1

INVALID Score entered!!!!
Score should be between 0 and 100
Enter score #3 again:
```

- If score is valid, add the score to a list. Make sure the score list is given an informative name.
- After collecting all the scores. The program is to display the following: (15 points)
- Lowest score entered
- Score List after dropping lowest score
- The average of scores in modified list
- Determine the letter grade for the calculated average and display it to user. (20 points)

See output example below:

```
How many scores do you want to enter? 5

Enter score #1: 67
Enter score #2: 75
Enter score #3: -1

INVALID Score entered!!!!
Score should be between 0 and 100
Enter score #3 again: 86
Enter score #4: 45
Enter score #5: 90


-------------Results----------
Lowest Score  : 45.0
Modified List : [67.0, 75.0, 86.0, 90.0]
Scores Average: 79.50
Grade         : C
------------------------------
```

- Write program pseudocode (detail algorithm) and add it as a comment block. (10 points)

Once finished, **submit** your finished code through the P4HW1 assignment link by the posted deadline

Important: Upload the assignment to the GitHub account you created. Note that at the end the semester, you will be graded on whether or not you have uploaded assignments on GitHub.

Grading Criteria:

Refer to above and the grading criteria posted in the "**Grading**" document.

Note: ONLY USE PROGRAMMING METHODS LEARNED UP TO THIS POINT IN CLASS. If submission doesn't comply, you will get a grade of "1".