**Directions:**

# Review the problem descriptions listed below.

# Write a single program which implements all of the requirements. Use functions as you wish. They are not required for this assignment.

1. Program can be written w/o requiring user input.
2. Build your program in steps to code, debug and test one section at a time.
3. Write a program that will utilize a text input file (scores.txt) and compute the listed specifications. The text input file "scores.txt" is provided. Write a program to compute numeric grades for a course. The course records are a file that will serve as the input file. The input file format is specified "scores.txt".
4. Allow the user to enter the name of the input file. (Which will always be "scores.txt" for this example.)
5. Your program will take the data, calculate certain values and send to an output file "results.txt".
6. The data in the output file will have the input file values, neatly formatted exactly as seen in the example.
7. For each student in the input file, you will calculate the average of the scores and append to the respective line listing.
8. Also, determine the student who earns the highest average and list their name at the end of the file listing.

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| Sample output file listing: |