**UROP Questions – Yahan and Jiankun**

For the following questions,

Yahan uses scores\_G.txt

Jiankun uses scores\_L.txt

1. Write a function calculate\_scores that reads a text file that contains one scores for each line of the file. A sample output of your program is as follows:

There are 70 scores in scores.txt

The highest is 1.00

The lowest is 0.32

The average is 0.75

Note: the actual values given by your program will be different. This is just a sample. Display this output on the screen, as well as save it to another file.

The starting of the function is given to you.

|  |
| --- |
| def calculate\_scores(filename):  myfile = open(filename,'r')  #continue from here |

1. Modify calculate\_scores so that the output reads as follows.

There are 70 scores in scores.txt

The highest is 1.00

The lowest is 0.32

The average is 0.75

Number of scores between 0.9 and 1.0 is 35

Number of scores between 0.8 and 0.89 is 35

Number of scores between 0.7 and 0.79 is 23

Number of scores between 0.6 and 0.69 is 7

Number of scores between 0.5 and 0.59 is 4

Number of scores between 0.0 and 0.49 is 1

Try using a dictionary data type in your program.