Python File IO and List - In Class Exercise Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the output of the following code?

|  |  |
| --- | --- |
| mylist = [100,200,300]  for i in len(mylist):  print(i) | mylist = [100,200,300]  for num in mylist:  print(num) |

1. Write a python program that reads scores from file "score1.txt" and print the average score.

Average Score is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a python program that reads scores from file "score2.txt" and find out number of students with scores between 80 and 90.

Count is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a python program that reads scores from file "score3.txt" and find out number of students with scores less than 68 and put them in a new list.

Count is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a python program that reads scores from file "score4.txt". If the student’s grade is less than 68, adjust the student’s grade by adding 5 more points. What is the average score after the adjustment?

Average is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*\* Please write down the if statement you used in the code

1. Write a python program that reads scores from file "score5.txt". Find the highest grade in the class. Then curve the grade by setting the highest score as 100%. For example, let's say the highest grade on a test was 95. In this case, because 100-95 = 5, we would add 5 points to all the student grades. What is the average score after the adjustment?

Average is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Bonus question: Find the median score of the class “score6.txt” and put top 25% scores in a new list.