**LAB EXAM 2**

Write a program that asks the user to enter the username and three test scores. The program should calculate average of the three-test score and determine a letter grade for the average based the grading scale below. Write the following functions in the program:

* calc\_average—This function should accept three test scores as arguments and return the average of the scores.
* determine\_grade—This function should accept a test score as an argument and return a letter grade for the score, based on the following grading scale:

Score Letter Grade

90–100 A

80–89 B

70–7 9 C

60–69 D

Below 60 F

* display\_results—This function should accept the username, all three test scores, average of the test scores and letter grade of the average test score and display them.
* write\_results – This function should accept username, all three test scores, average of the test scores and letter grade of the average test score and write them to a file.
* append\_even – This function should generate even numbers between 1 and 50 and append them to the results file from the previous step.
* read\_result – This function should read the results file (from previous step ) and display the contents of the file to the user.

You program must handle the following exceptions:

* It should handle any ValueError exceptions that are raised when the items that are read from the file are converted to a number.

Requirements:

When you write to a file, make sure to add space or tab of if needed an extra line(‘\n’) as needed. You must plan how to write to the file. When you read from a file, you can use read or readline or “for” construct that reads one line (just like readlne)