# CIMP 8A

# Code Lab 4

Write a program that asks the user to enter 5 test scores. The program will display a letter grade for each test score and an average grade for the test scores entered. The program will write the student name and average test score to a text file (“studentgrades.txt”). Three functions are needed for this program.

def letter\_grade( test\_score)

|  |  |
| --- | --- |
| **Test Score** | **Letter Grade** |
| 90-100 | A |
| 80-89 | B |
| 70-79 | C |
| 60-69 | D |
| Below 60 | F |

return letter grade

def calculate\_average\_grade( test1, test2, test3, test4, test5)

add 5 test scores together with a sum

divide the sum by 5 for an average

return the average

def main() Starting function

In a loop for 4 students

Enter student name

In a loop for 5 test scores

enter test score

call letter\_grade(test\_score)

display testscore and letter grade

After loop

call calculate\_average\_grade (test1, test2, test3, test4, test5)

display average test score

write to output file –

name,

average test score and

letter grade for average test score