

CS 1213-01 Program #6

Fall 2018

Due: October 31 at class time.

Assignment

Consider a text file for recording grades of students in a college course. Each student in the course is represented by one line in the file containing these items of data separated by commas:

- The student's L-number.
- The student's last name.
- The student's first name.
- Five exam scores.

Your job is to write a Python program that reads the file and computes the semester average and letter grade for each student. The program should output these results to the screen in a neat, tabular format:

- The student's L-number.
- The student's name in the format "Lastname, Firstname".
- The student's semester average, computed as the average of the five exam scores.
- The student's letter grade, using the same grading scale listed in our syllabus.

Prompt the user to enter the name of the input file. Your program should assume the input file is in the same directory as the Python source code file. It should open and read whatever file the user chooses.

Input

A sample input file accompanies this handout on Canvas. Your program should work correctly for a file containing any number of students.

Output

Given the accompanying sample input file, your program should produce this output.

L12345678	Madison, Dolley	86.0	B
L13579753	Carter, Rosalynn	85.9	B
L98765432	Lincoln, Mary	75.9	C
L86420246	Garfield, Lucretia	94.1	A
L00234567	Eisenhower, Mamie	61.3	D
L99999999	Adams, Abigail	100.0	A

Instructions for Turning in Your Project

I will not grade your project and you will receive a score of 0 if you do not comply with these instructions. You must turn in all materials by class time on the due date for them to be counted on time. Your submission is not complete—and I will not grade it—until you have turned in all the required materials. Anything that is not turned in by class time will be marked at least one day late and will receive a grading penalty as specified in the syllabus.

Turn in these things:

- Upload your Python program to Canvas.
- Turn in a hardcopy of your Python program at class time on the due date. Your hardcopy must match the electronic copy that you upload to Canvas.
- Turn in a printed, completed copy of the project form along with your hardcopy on the due date. There is a blank project form in *Handouts* on Canvas.