



IT 2430 – Data Programming I
Spring 2019
Assignment 7 – Grade Analysis Part 1

Assignments must be completed on your own. Any evidence that students have collaborated on assignments will be considered a violation of the academic honesty code.

Filename: assign7.py

Write a script that takes the `studentdata.csv` file as input and produces the output files shown below. You must use two functions as described below to accomplish this task. In the next assignment, you will produce some grade reports that look at averages, minimums, maximums etc. by student, section, professor etc. This assignment is the first step to completing the next. **You cannot use lists.**

`findnumericgrade()`: Function that takes the letter grade as a parameter and returns the numeric grade.

`loaddata()`: Function that parses the data and writes it to `error7.txt` and `output7.txt` as shown below where `xx` is your folder number in Google Drive. Returns the count of the number of lines parsed.

Output:

`output.txt`

A file that contains the results of `studentdata.csv` parsed and written as shown below.

```
output - Notepad
File Edit Format View Help
Maurice Beverly: IT1130 14223 7 A 4.0
Bryan Hoppe: IT1130 14223 7 B 3.0
Kadisa Johnson: IT1130 14223 7 C 2.0
Elizabeth Pack: IT1130 14223 7 A 4.0
Chandni Patel: IT1130 14223 7 B 3.0
Melissa Strickland: IT1130 14223 7 C 2.0
Joe Jones: IT1130 14223 7 B 3.0
```

`error.txt`

A file that contains the lines with a grade of 'W' from `studentdata.csv` file.

```
error - Notepad
File Edit Format View Help
14223,7,107,W,Lucas Yockey,IT1130
14224,5,117,W,Kristen Hawkins,IT1130
14228,6,110,W,Jennifer Johnson,IT1431
15889,3,103,W,Kadisa Johnson,IT2233
13125,10,105,W,Chandni Patel,IT3131
15892,1,112,W,Tim Tebow,IT3233
12227,12,112,W,Tim Tebow,CSCI1236
```

`Console`

Contains a print out of the count of the number of lines processed for `fout.txt`.

Submission Instructions:

- Your code should contain meaningful comments. Place your name, due date and assignment and problem number **in comments** at the top of the file. Cite all sources in comments.
- Your output should match mine exactly (in spacing, capitalization, etc.).
- Turn in a hard copy