

Homework #5 Introduction to Computing

Due: Oct. 22 (Friday at 11:59 PM)

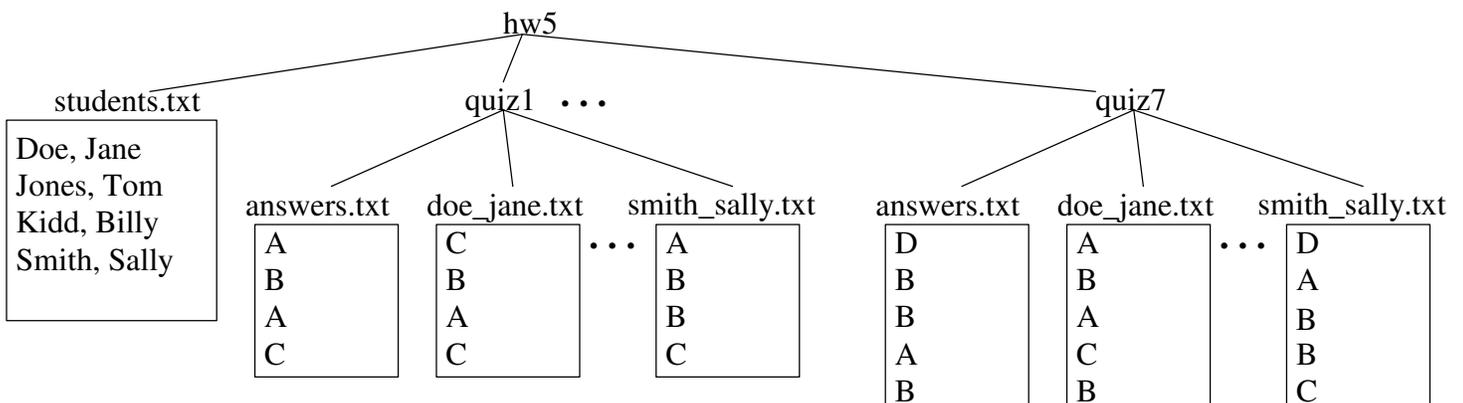
Electronic Quiz Grader Program

The eLearning multiple-choice-quiz grader has broken down, so Professor Smart N. Lazy wants you to write a program (`quizGrader.py`) to grade the class's eLearn quizzes. After extracting the files from:

<http://www.cs.uni.edu/~fienup/cs051f10/homework/hw5.zip>

you will find that the `hw5` folder contains:

- `students.txt` - a text file containing the student names in the class
- one or more `quiz#` directories - each directory contains an `answers.txt` text file with the correct answers and text files for the students who took the quiz. The student file names are `lastname_firstname.txt`



Your program should run from inside the `hw5` directory to generate a `gradeReport.txt` file that looks something like:

Student Quiz Report		
Student	Total Quiz Points	Overall Quiz %
Doe, Jane	30	71.4
Jones, Tom	40	95.2
Kidd, Billy	35	83.3
Smith, Sally	37	88.1
Points Possible	42	

For extra credit, you can report more details (e.g., individual quiz scores for each student):

Student Quiz Report						
Student	Quiz 1	Quiz 2	...	Quiz 7	Total Quiz Points	Overall Quiz %
Doe, Jane	3	5	...	2	30	71.4
Jones, Tom	4	6	...	5	40	95.2
Kidd, Billy	3	4	...	4	35	83.3
Smith, Sally	3	6	...	2	37	88.1
Points Possible	4	7	...	5	42	

Save and run your program (called `quizGrader.py`) in the `hw5` folder.

Follow the program format and structure described in section 2.6.4 of the text, and be sure to use good style:

- meaningful variable names with good style (i.e., useCamelCase)
- docstring comment at the start of the program
- use constants where appropriate with good style (ALL_CAPS_AND_UNDERSCORES)
- **design your program first using top-down design!!!**
- **implement your design using functions**

Submit your homework electronically at http://www.cs.uni.edu/~schafer/submit/which_course.cgi

The steps for the homework submission system are:

1. Write, run, debug, and test your program inside the hw5 folder. Zip the folder hw5 by right-clicking on it and selecting Send to | Compressed (zipped) folder. This should generate a hw5.zip file to be submitted.
2. Log on to the submission system at: http://www.cs.uni.edu/~schafer/submit/which_course.cgi
(It is very likely that you will get some security certificate warnings when trying to use this. You may add an exception and accept the existing security certificate.) Use the same AD-ITS User name and password you use to log on the lab computers.
3. Select the course and section number of "810:051, Intro to Computer, Fienup". Click the "Continue".
4. Select the homework that you wish to submit: "HW 5: Quiz Grader". Click the "Continue" button.
5. Specify how many extra files you want to submit. Just leave it at 0. Click the "Continue" button.
6. Upload your program by Browsing and selecting your hw5.zip file. Click the "Continue" button.
7. The next page reports on the status of the upload(s). You can always continue to upload a better version of the program until the deadline. The newer file will replace an older file of the same name.