Software Dev. & Problem Solving I   CSEC/SWEN-123

Practicum 2

Exam Requirements

This practicum is closed notes, closed internet. The only sites you may visit are MyCourses, GitHub Classroom, and Discord. You are also allowed to use the IDE of your choice (Visual Studio Code for most).

- You do not need to comment your code except for you **must** replace <Your Name Here> at the top of each file with your name.

- The link for the GitHub Classroom repository is in MyCourses | Content | Instructor Materials | Herring | Section | Practicums.

- You are required to join the course Discord server and join the Practicum voice channel while taking the exam. You will remain on mute, do not ask questions via the voice channel. If you have any questions, please direct message me in Discord.

- You may leave when you have finished the exam.

- You have 90 minutes to complete the practicum and push it to GitHub. The last push before the deadline will be graded

- **Do not** change the names of any of the provided functions.

- You must use the provided functions and you **are not** allowed to create additional functions.

- A test file 'exam_test.py' has been provided. You should use it to run your code by entering python exam_test.py in the terminal.

- If you must, you can add your own tests in the question files but only at the bottom

- The testing.py module has been modified so that it runs all tests. If you would like it to run only until the first failure, see the comment in the student_proof function at the top of exam_test.py.

Activities

Before starting, take a moment to look over the provided code. You will have 11 files:

1. `data/pets.txt`
2. `data/sample_pets.txt`
3. `array_utils.py`
4. `arrays.py`
5. `exam_test.py`
6. `question_1.py`
7. `question_2.py`
8. `question_3.py`
9. `question_4.py`
10. `question_5.py`
11. `testing.py`

Each practicum question is in its own file, but all are tested using `python exam_test.py`. Do not change any function names or parameter lists. The questions are unrelated, and each is worth the same point value. You may answer them in any order. If you get stuck on one, it is highly advised that you move onto another one.

Each question is documented in a comment at the top of each file. If you have questions about any of the wording, please PM me on Discord.

Submission Instructions & Grading

Be sure that you have committed all of your solution files to your repository **_within_** 90 minutes of the start time. Commits after the cutoff will not be pulled.

The exam contains 5 questions, and your score will be assigned out of the 4 questions you do the best on. There is no extra credit, 4 correct questions are worth more than 5 almost correct questions.

Grading Breakdown:
 -5% For not entering your name at the top of the file (one-time penalty)
25% For each question with the following breakdown:
      50% for tests passing (if there are multiple tests it is divided evenly between tests)
      25% for code that will run using exam_test.py (no syntax errors)
      25% for code effort (think of this as partial credit, the closer you are the more you get)
-25% For each question that is not answered, or the expected results are hard coded (you may
      leave one question blank since it is best 4 out of 5)