

Assignment 1 – Lists, Strings and Dictionaries

Total Points: 8

General Instructions: You must use the Python template files, located within `Assign` subfolder of the `03_Dictionaries` folder, and then follow the general instructions shown below and the problem specific notes provided in the comments of the files themselves. Each of the problems significantly deviates from the original textbook problem, so just following the textbook will not produce the desired result. You should also use the provided Excel file to learn more about each problem.

You must follow the additional instructions provided in the notes for each of the problems. The assignment will be graded primarily on whether the program runs and produces the correct result. If the script does not run, this will result in a 0.5 points deduction for that program. Partial credit will be awarded based on the degree of problem completion and will depend heavily on how accurately you followed the instructions provided in the notes for the problem.

As you work through this assignment, execute each program carefully, and verify you got the correct results using the provided test case(s). For any errors you encounter, you are expected to try to resolve them yourself first. If, after repeated attempts, the script does not work, message me or the TA and consider coming to office hours.

Problem 6: Driver's License Exam

Chapter 7, page 427, (2 points)

File name: `Assign1a_06_Driver_Exam.py`

Your output should look like this:

```
You passed the drivers exam!
You answered 16 questions correctly and 4 incorrectly.
You incorrectly answered these questions: [3, 4, 10, 17]
```

Problem 14: Gas Prices

Chapter 8 page 465-466, (3 points)

File name: `Assign1b_14_Gas_Prices.py`

Your output should look like this:

```
1993 1.071
1994 1.078
...
2013 3.651
```

```
We [1]
observe [1]
today [1]
not [1]
a [1, 2, 4]
victory [1]
of [2, 3]
party [2]
but [2]
celebration [2]
freedom [3]
symbolizing [3]
an [3]
end [3]
as [4, 5, 6]
well [4, 5]
beginning [4]
signifying [5]
renewal [5]
change [6]
```

Problem 10: Word Index

Chapter 9, page 519-520, (3 points)

File name: `Assign1c_10_Word_Index.py`

Your output should look like this →

Submission: You must submit all Python and data files, so six (6) files altogether, zipped up into a single folder on Canvas by the designated due date. Failing to include the data files will result in 0.5 point deduction off the top.