

Homework 2

100 points

Due date: 2/14/2020 - 11:59 pm

Deliverable: Submit a Python file (.py) for each question. Name the files as hwX-qY.py where X is the homework number and Y is the question number. For example, for the first question your file name should be hw2-q1.py. Follow the exact naming policy. Otherwise, you get zero. Your TA uses scripts and test cases to automate grading your codes. Wrong naming will interrupt this process.

Rubric:

- 1- You need to use loops to solve these questions. Do not use iterators, list comprehension, or any other topic which has not been covered in the class.
- 2- You get no points If the TA cannot run your code. This may happen because of a syntax error, wrong file name, or incorrect algorithm.
- 3- Your code must produce correct output (The TA test your code with a few test cases). There is an example after each question. Your output must appear on the screen similar to the examples.

For example:

15

[illegible]

- Find any word in the sentence that contains the letter and shows how many times the letter appeared in the word.
- Prints out how many of the letter exists in the whole sentence.

For example:

Type a sentence:

I would like to introduce you to Mr. Jacobson.

What letter are you looking for?

o

'would' has 1 'o'

'to' has 1 'o'

'introduce' has 1 'o'

'you' has 1 'o'

'to' has 1 'o'

'Jacobson.' has 2 'o'

Totally, there are 7 'o'(s) in your sentence.