

CSCI 1470.3 Fall 2025 Homework #7 Quotations

[1] This assignment involves using a Python module, list, dictionary, iteration, conditional statements, file handling.

Write a python program h7.py to iteratively ask the user to input an author name string and output quotations by authors that contain the input string. The program terminates when the user enters 'quit'.

The quotations are stored in the file [quotes.txt](#). The file stores a quotation in two lines. The first line is the author's name, and the second line is the quotation.

```
Abraham Lincoln
A house divided against itself cannot stand.
Abraham Lincoln
Important principles may, and must, be inflexible.
Abraham Lincoln
I destroy my enemies when I make them my friends.
...
```

Your program should first store the quotations in a dictionary, quotations. The key to the dictionary is the author's name, and the value is a list of all quotations by the author. For example,

quotations['Marie Curie'] returns ['I never see what has been done; I only see what remains to be done.', 'Nothing in life is to be feared. It is only to be understood.', 'Be less curious about people and more curious about ideas.']

The user input may be a partial name, and the program should list all authors with names containing the input in a case insensitive manner. Thus, if the user enters "Franklin", "FRANKLIN", or "franklin", it should show the quotations of all authors with Franklin in their names. In quotations.txt, that includes three authors:

1. Benjamin Franklin
2. Franklin D. Roosevelt
3. Franklin Roosevelt

The following session explains the output requirement.

```
C:\...>python h7.py
=====
Enter an author's name (or 'quit' to exit): Marie Curie

Quotations by Marie Curie:
[1] I never see what has been done; I only see what remains to be done.
```

```

[2] Nothing in life is to be feared. It is only to be understood.
[3] Be less curious about people and more curious about ideas.
=====
Enter an author's name (or 'quit' to exit): FRANKLIN

Quotations by Benjamin Franklin:
[1] Well done is better than well said.
[2] One today is worth two tomorrows.
[3] There never was a good knife made of bad steel.
[4] Watch the little things; a small leak will sink a great ship.
[5] Experience keeps a dear school, but fools will learn in no other.

Quotations by Franklin D. Roosevelt:
[1] It is common sense to take a method and try it. If it fails, admit it
frankly and try another. But above all, try something.

Quotations by Franklin Roosevelt:
[1] The only limit to our realization of tomorrow will be our doubts of
today.
[2] Happiness is not in the mere possession of money; it lies in the joy of
achievement, in the thrill of creative effort.
[3] When you come to the end of your rope, tie a knot and hang on.
=====
Enter an author's name (or 'quit' to exit): yue
No quotations found for 'yue'.
=====
Enter an author's name (or 'quit' to exit): anthony

Quotations by Anthony D'Angelo:
[1] Listen to your intuition. It will tell you everything you need to know.

Quotations by Robert Anthony:
[1] Forget about all the reasons why something may not work. You only need
to find one good reason why it will.
=====
Enter an author's name (or 'quit' to exit): quit

C:\...>

```

Your program should use the module c1470_util: [c1470_util.py](#). You can download and save it in the same working directory that stores h7.py. The module contains a function to ease your programming effort: `keys_with_substring(dictionary, target, sensitivity = False)`. Study and use it.

Upload the file h7.py. You probably will need to save h7.py as h7.py.txt to upload it to Canvas.