

""""

Created on Wed Aug 31 01:14:22 2022

@Author: Michel T.

@INSTRUCTOR: Kyle Johnson

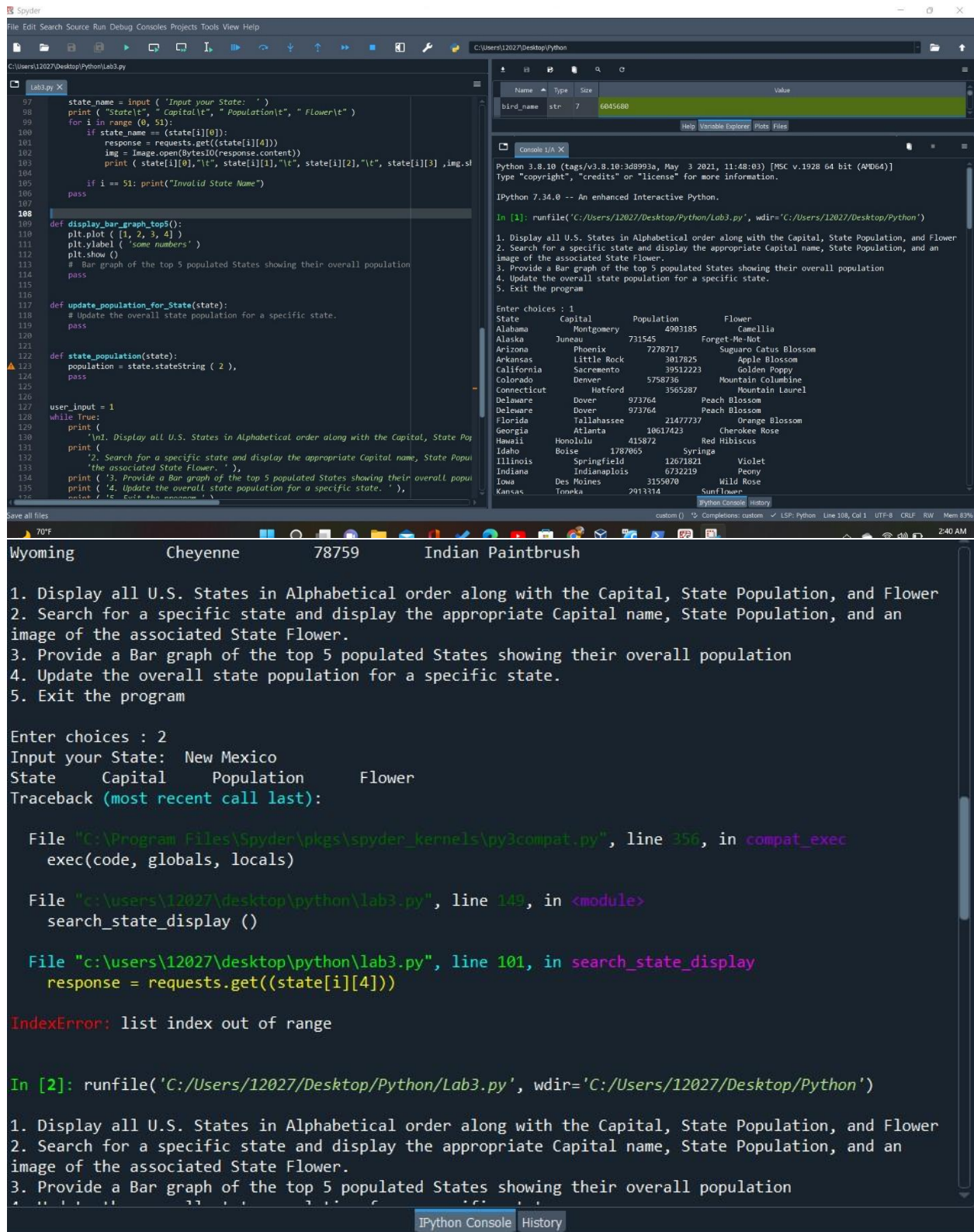
@School: UMGC

@Course: SDEV 300 Building Secure Python Applications

""""

Run Test Screenshots

Note: For some unknown reasons, I don't know why the "IndexError" says "Index list out of range" I debug the code and it is not failing. However, when I run a normal user input it shows that unexpected error message. Can you please clarify this? You can check the code from around lines 150 to 157. I welcome feedback. Thanks!



Name	Type	Size	Value
bird_name	str	7	6045680

Help Variable Explorer Plots Files

Console 1/A X

```
In [2]: runfile('C:/Users/12027/Desktop/Python/Lab3.py', wdir='C:/Users/12027/Desktop/Python')
```

1. Display all U.S. States in Alphabetical order along with the Capital, State Population, and Flower
2. Search for a specific state and display the appropriate Capital name, State Population, and an image of the associated State Flower.
3. Provide a Bar graph of the top 5 populated States showing their overall population
4. Update the overall state population for a specific state.
5. Exit the program

Enter choices : 3

Enter State Name: Maryland

Enter State population: 6045680

1. Display all U.S. States in Alphabetical order along with the Capital, State Population, and Flower
2. Search for a specific state and display the appropriate Capital name, State Population, and an image of the associated State Flower.
3. Provide a Bar graph of the top 5 populated States showing their overall population
4. Update the overall state population for a specific state.
5. Exit the program

Enter choices : 4

1. Display all U.S. States in Alphabetical order along with the Capital, State Population, and Flower
2. Search for a specific state and display the appropriate Capital name, State Population, and an image of the associated State Flower.
3. Provide a Bar graph of the top 5 populated States showing their overall population
4. Update the overall state population for a specific state.
5. Exit the program

The screenshot shows a Jupyter Notebook interface. At the top, the 'Variable Explorer' tab is active, displaying a table with the following data:

Name	Type	Size	Value
state	list	51	[['Alabama', 'Montgomery', 4903185, 'Camellia', 'https://statesymbolsu ...

Below the variable explorer, the 'Console 2/A' tab is active, showing the following output:

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.34.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/12027/Desktop/Python/Lab3.py', wdir='C:/Users/12027/Desktop/Python')

1. Display all U.S. States in Alphabetical order along with the Capital, State Population, and Flower
2. Search for a specific state and display the appropriate Capital name, State Population, and an image of the
associated State Flower.
3. Provide a Bar graph of the top 5 populated States showing their overall population
4. Update the overall state population for a specific state.
5. Exit the program

Enter choices : 5
***** Good Bye!! *****

In [2]:
```

Program passed as the user input 5 that terminates the program