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March 31, 2024

## Lab 3

### Testing

| **Purpose** | **Input** | **Expected Output** | **Actual Output** |
| --- | --- | --- | --- |
| Standard Execution | | | |
| Display Alphabetized List | dIsPlAy | Prints an alphabetized list of states in the following format:  Code: XX  Name: Xxxxxxx  Capitol: Xxxxxxx  Population: xx,xxx,xxx  Flower: Xxxxxxx | display  Code: AL  Name: Alabama  Capitol: Montgomery  Population: 5,108,468  Flower: Camellia  Code: AK  Name: Alaska  Capitol: Juneau  Population: 733,406  Flower: Forget-me-not  Code: AZ  Name: Arizona  Capitol: Phoenix  Population: 7,431,344  Flower: Saguaro Cactus Blossom  Code: AR  Name: Arkansas  Capitol: Little Rock  Population: 3,067,732  Flower: Apple Blossom  Code: CA  Name: California  Capitol: Sacramento  Population: 38,965,193  Flower: California Poppy  Code: CO  Name: Colorado  Capitol: Denver  Population: 5,877,610  Flower: Rocky Mountain Columbine  Code: CT  Name: Connecticut  Capitol: Hartford  Population: 3,617,176  Flower: Mountain Laurel  Code: DE  Name: Delaware  Capitol: Dover  Population: 1,031,890  Flower: Peach Blossom  Code: FL  Name: Florida  Capitol: Tallahassee  Population: 22,610,726  Flower: Orange Blossom  Code: GA  Name: Georgia  Capitol: Atlanta  Population: 11,029,227  Flower: Cherokee Rose  Code: HI  Name: Hawaii  Capitol: Honolulu  Population: 1,435,138  Flower: Hibiscus  Code: ID  Name: Idaho  Capitol: Boise  Population: 1,964,726  Flower: Syringa  Code: IL  Name: Illinois  Capitol: Springfield  Population: 12,549,689  Flower: Violet  Code: IN  Name: Indiana  Capitol: Indianapolis  Population: 6,862,199  Flower: Peony  Code: IA  Name: Iowa  Capitol: Des Moines  Population: 3,207,004  Flower: Wild Rose  Code: KS  Name: Kansas  Capitol: Topeka  Population: 2,940,546  Flower: Sunflower  Code: KY  Name: Kentucky  Capitol: Frankfort  Population: 4,526,154  Flower: Goldenrod  Code: LA  Name: Louisiana  Capitol: Baton Rouge  Population: 4,573,749  Flower: Magnolia  Code: ME  Name: Maine  Capitol: Augusta  Population: 1,395,722  Flower: White Pine  Code: MD  Name: Maryland  Capitol: Annapolis  Population: 6,180,253  Flower: Black-eyed Susan  Code: MA  Name: Massachusett  Capitol: Boston  Population: 7,001,399  Flower: Mayflower  Code: MI  Name: Michigan  Capitol: Lansing  Population: 10,037,261  Flower: Apple Blossom  Code: MN  Name: Minnesota  Capitol: St. Paul  Population: 5,737,915  Flower: Pink and White Lady's Slipper  Code: MS  Name: Mississippi  Capitol: Jackson  Population: 2,939,690  Flower: Magnolia  Code: MO  Name: Missouri  Capitol: Jefferson City  Population: 6,196,156  Flower: Hawthorn  Code: MT  Name: Montana  Capitol: Helena  Population: 1,132,812  Flower: Bitterroot  Code: NE  Name: Nebraska  Capitol: Lincoln  Population: 1,978,379  Flower: Goldenrod  Code: NV  Name: Nevada  Capitol: Carson City  Population: 3,194,176  Flower: Sagebrush  Code: NH  Name: New Hampshi  Capitol: Concord  Population: 1,402,054  Flower: Purple Lilac  Code: NJ  Name: New Jersey  Capitol: Trenton  Population: 9,290,841  Flower: Purple Violet  Code: NM  Name: New Mexico  Capitol: Santa Fe  Population: 2,114,371  Flower: Yucca  Code: NY  Name: New York  Capitol: Albany  Population: 19,571,216  Flower: Rose  Code: NC  Name: North Carolin  Capitol: Raleigh  Population: 10,835,491  Flower: Dogwood  Code: ND  Name: North Dakota  Capitol: Bismarck  Population: 783,926  Flower: Wild Prairie Rose  Code: OH  Name: Ohio  Capitol: Columbus  Population: 11,785,935  Flower: Scarlet Carnation  Code: OK  Name: Oklahoma  Capitol: Oklahoma City  Population: 4,053,824  Flower: Oklahoma Rose  Code: OR  Name: Oregon  Capitol: Salem  Population: 4,233,358  Flower: Oregon Grape  Code: PA  Name: Pennsylvania  Capitol: Harrisburg  Population: 12,961,683  Flower: Mountain Laurel  Code: RI  Name: Rhode Island  Capitol: Providence  Population: 1,095,962  Flower: Violet  Code: SC  Name: South Carolin  Capitol: Columbia  Population: 5,373,555  Flower: Yellow Jessamine  Code: SD  Name: South Dakota  Capitol: Pierre  Population: 919,318  Flower: Pasque Flower  Code: TN  Name: Tennessee  Capitol: Nashville  Population: 7,126,489  Flower: Iris  Code: TX  Name: Texas  Capitol: Austin  Population: 30,503,301  Flower: Bluebonnet  Code: UT  Name: Utah  Capitol: Salt Lake City  Population: 3,417,734  Flower: Sego Lily  Code: VT  Name: Vermont  Capitol: Montpelier  Population: 647,464  Flower: Red Clover  Code: VA  Name: Virginia  Capitol: Richmond  Population: 8,715,698  Flower: American Dogwood  Code: WA  Name: Washington  Capitol: Olympia  Population: 7,812,880  Flower: Western Rhododendron  Code: WV  Name: West Virginia  Capitol: Charleston  Population: 1,770,071  Flower: Rhododendron  Code: WI  Name: Wisconsin  Capitol: Madison  Population: 5,910,955  Flower: Wood Violet  Code: WY  Name: Wyoming  Capitol: Cheyenne  Population: 584,057  Flower: Indian Paintbrush |
| Search | search, cA | Code: CA  Name: California  Capitol: Sacramento  Population: 38,965,193  Flower: California Poppy  (displays flower)  Would you like to "return" or "edit" this state? |  |
| Edit | search, ca, edit, population, 25000000 | What attribute would you like to modify?  What would you like the new value to be?  Code: CA  Name: California  Capitol: Sacramento  Population: 25,000,000  Flower: California Poppy |  |
| Graph | After the above modification,  graph | (displays updated graph) |  |
| Exit | 6 | So long, and thanks for all the fish! |  |
| Invalid Inputs | | | |
| Not available option | DISAPLAY!,  display | Invalid input |  |

### Pylint

#### Output

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Your code has been rated at 10.00/10 (previous run: 9.66/10, +0.34)

#### Discussion

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