



Project9



Project 9: Regular Expressions

Prob. 1

Using the regular expression, write a Python program to search and extract the clinic provider names, their address and phone numbers from the sample text "ClinicInfo.txt" provided.

- Extract all the info into a **dictionary** taking 'provider name' as key, and a **list** of 'address' and 'phone' as value. Print out the dictionary, so we have a small 'database'.
- Count the item numbers inside this dictionary. Ask the user to input the provider's name, if the provider is in the database, print out the corresponding address and phone numbers. Otherwise, ask the user to input correct names and try again.

```
{'Statesboro Family Practice': ['658 Northside Dr E Suite A', '912-764-9684'],  
'East Georgia Healthcare Center': ['1570 Brampton Ave', '912-764-9196'], 'South  
Georgia Immediate Care Center': ['1096 Bermuda Run', '912-871-5150'], 'AppleCare  
Statesboro': ['586 Brannen St', '912-871-6611'], 'Statesboro Clinic': ['658  
Northside Dr E', '912-871-8719'], 'Martin Chiropractic Clinic': ['502 Gentilly  
Rd', '912-764-6456'], 'East Georgia Womens Center': ['1012 Bermuda Run',  
'912-871-4800'], 'Statesboro Pediatric Clinic': ['404 Savannah Ave',  
'912-764-9196'], 'Hanger Clinic: Prosthetics & Orthotics': ['1215A, Merchant  
Way', '912-764-2148'], 'Cope Eye Clinic': ['81 E Jones Ave', '912-764-8080'],  
'Charlie Norwood VA Medical Center - Telehealth Clinic': ['658 Northside Dr E',  
'912-871-8719'], 'Statesboro Women's Health Specialists': ['1523 Fair Rd',  
'912-871-2000'], 'Southern Wellness & Rehab': ['2 Ed Moore Ct', '912-764-9951'],  
'Bulloch County Health Department': ['1 W Altman St', '855-473-4374'], 'East  
Georgia Primary Care': ['4451 Country Club Rd #3a', '912-764-2273'], 'The  
Comprehensive Wound Healing Center': ['1497 Fair Rd Suite 103', '912-486-1163'],  
'Choices of the Heart': ['425 E Grady St', '912-764-4303'], 'Vidalia Women's  
Center': ['1601 Fair Rd Suite 200', '912-243-9220'], 'Candler Internal  
Medicine': ['106 Briarwood Rd', '912-871-5000'], 'East Georgia Pain Management':  
['1497 Fair Rd #206', '912-486-1121']}
```

The total number for key:value pairs in the dictionary is: 20

Please input the query clinic provider's name: Cope Eye Clinic

Cope Eye Clinic address => 81 E Jones Ave

Cope Eye Clinic phone => 912-764-8080

Please input the query clinic provider's name: Georgia Southern University

Please correct the provider's name and try again

Please input the query clinic provider's name:

Hint:

1. There is No missing data for each item (i.e. name, address, phone)
2. Use **capturing group** to extract info for each item
3. Regex for provider's name: how to match any/all chars after string "Clinic Name: "
4. Regex for provider's address: how to match any chars after string "mi -" (Note: some addresses have space after dash -, some don't)
5. Regex for provider's phone: how to match "xxx-xxx-xxxx" (x is digit)
6. How to put address and phone in a list as the value of a dictionary?



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