Cybersecurity – Unit 3 Python Homework Assignment

DNS Dictionary challenge

```
Unit_3-HOMEWORK_ASSIGNMENT > Instructions > Resources > DNSDictionary > 🟓 pracpython.py > ..
         "GreenTeamDNS", "SafeDNS", "OpenNIC", "SmartViper", "Dyn", "FreeDNS", "Alternate DNS", "Yandex.DNS", "UncensoredDNS", "Hurricane Electric", "puntCAT", "Neustar", "Cloudflare",
                 "195.46.39.39", "69.195.152.204", "208.76.50.50", "216.146.35.35", "37.235.1.174", "198.101.242.72", "77.88.8.8", "91.239.100.100", "74.82.42.42", "109.69.8.51", "156.154.70.1", "1.1.1.1", "45.77.165.194"]
         DNS_dictionary = {}
         numberOfProviders = len(providers)
         print(numberOfProviders)
         for x in range(0,22):
         for x in range(0,numberOfProviders):
              DNS_dictionary [providers[x]] = ips[x]
         #run the command
         print(DNS_dictionary)
```

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Violas-MacBook-Pro:DNSDictionary vrozes /Library/Frameworks/Python.framework/Versions/3.7/bin/python3 "/Users/vroze/Desktop/Cyber Bootcamp/UT-TOR-CYBER-PT-09-2019-U-C/Unit_3-HOMEWORK_ASSIGNMENT /Instructions/Resources/DNSDictionary vrozes /Library/Frameworks/Python.framework/Versions/3.7/bin/python3 "/Users/vroze/Desktop/Cyber Bootcamp/UT-TOR-CYBER-PT-09 -2019-U-C/Unit_3-HOMEWORK_ASSIGNMENT /Instructions/Resources/DNSDictionary vrozes /Library/Frameworks/Python.framework/Versions/3.7/bin/python3 "/Users/vroze/Desktop/Cyber Bootcamp/UT-TOR-CYBER-PT-09 -2019-U-C/Unit_3-HOMEWORK_ASSIGNMENT/Instructions/Resources/DNSDictionary/pracpython.py" (*Level3': '209.244.0.3', "Verisign': '64.6.64.6', 'Google': '8.8.8.8', 'Quadd': '9.9.9.9', 'DNS.WATCH': '84.200.69.80', 'Comodo Secure DNS': '8.26.56.26', 'OpenINC': '69.19.51.52.20'
4', 'SmartViper': '208.76.56.50', 'Dyn: '216.146.35.35', FreeDMS': '137.235.1.174', 'Alternate DNS': '198.101.242.72', 'Yandex.DNS': '77.88.8.8.8', 'Uncensore dMS': '91.29.19.10.100', 'Hurricane Electric': '74.82.42.42', 'puntCAT': '109.69.8.51', 'Neustar': '156.154.70.1', 'Cloudflare': '1.1.1.1', 'Fortmet Estate': '45.77.165.194') volos-MacBook-Pro:DNSDictionary/ pracpython.py"
22 {\Level3': '209.244.0.3', 'Verisign': '64.6.64.6', 'Google': '8.8.8.8', 'UncensoredDNS': '91.9.9', 'DNS.WATCH': '64.200.69.80', 'Comodo Secure DNS': '8.26.56.26', 'OpenDNS Home': '208.67.222.22', 'No roto Connectsafe': '199.85.126.10', 'GreenTeamDNS': '81.218.119.11', 'SafeDMS': '195.46.39.39', 'OpenMIC': '69.105.15.120.44', 'SmartViper': '208.76.50.50', 'Opn': '216.146.35.35', 'FreeDMS': '37.235.1.174', 'Alternate DMS': '198.101.242.72', 'Vandex.DMS': '77.88.88', 'UncensoredDNS': '91.239.100.100', 'Hurricane Electric': '74.82.42.42', 'puntCAT': '109.69.8.51', 'Neustar': '156.154.70.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '11.11', '1
```

```
#use for loop to create a list of dictionaries that map each key to their respective

for x in range(0,numberOfProviders):
    DNS_dictionary [providers[x]]= ips[x]

##print hurricans electrics IP; item is specified

print(DNS_dictionary["Hurricane Electric"])
```

```
#create an empty list
DNS_list = []

#use a for loop to create a new list within the dictonary

for name, server in DNS_dictionary.items():
    D={"provider_name": name, "primary_server": server}

#append list with information from part 1
    DNS_list.append(D)

print(DNS_list)
```

User Admin Challenge

```
def getCreds():

#create two variables that prompt user to enter username and password

user_name = input(f'please enter your username')

password = input(f'please enter your password')

#create an empty list

userInfo = []

#create two variables

z = {"password":password, "username":user_name}

admin = {'username':'root', 'password':'toor'}

#append to list

userInfo.append(z)

userInfo.append(admin)

print(userInfo)

getCreds()

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```

3.

```
#define a function to take user input

#define a function

#define getCreds()

#define a function

#define getCreds()

#define a function

#define a function

#define getCreds()

#define a function

#define e function

#define getCreds()

#define a function

#define e function

#def
```

4.

```
please enter your username DSADA
please enter your username DSADA
please enter your password DDA

please enter your password toor

YOU HAVE LOGGED IN

YIO HAVE LOGGED IN
```