Tanium Security Engineer FY20 Coding Challenge

Vaikunth Dharwadkar

Results:

```
(base) Vaikunths-MacBook-Pro:Security_Engineer_FY20_Coding_Challenge-VaikunthD vaikunthdharwadkar$ python3 Main.py

Goal 1. Print the value of the title for post number 99
Title: temporibus sit alias delectus eligendi possimus magni

Goal 2. Inject a field called time into the results
Retrieved data:
{'userId': 10, 'id': 100, 'title': 'at nam consequatur ea labore ea harum', 'body': 'cupiditate quo est a modi nesciunt soluta\nipsa voluptas error itaque dicta in\nautem qui minus magnam et distinctio eum\naccusamus ratione error aut'}

Modified data:
{'userId': 10, 'id': 100, 'title': 'at nam consequatur ea labore ea harum', 'body': 'cupiditate quo est a modi nesciunt soluta\nipsa voluptas error itaque dicta in\nautem qui minus magnam et distinctio eum\naccusamus ratione error aut', 'time': '09/03/2020, 12:05:19'}

Goal 3. Create a new /posts entry
A new /posts entry has been created

Goal 4. Determine if your post was successful
Yes, the post was successful
{'title': 'Security Interview Post', 'userId': 500, 'body': 'This is an insertion test with a known API'}

Goal 5. Print the tuple from #4
(101, 201, 'Express')

Goal 6. Delete the record you created in #3
(200, 'nosniff')
```

Main Script Output Window Screenshot

```
(base) Vaikunths-MacBook-Pro:Security_Engineer_FY20_Coding_Challenge-VaikunthD vaikunthdharwadkar$ python3 ApiUnitTest.py
......
----------------------------------------------------------------------
Ran 6 tests in 1.853s

OK
```

Unit Test Script Output Window Screenshot

Error Scenarios:

If the script fails with an SSL: CERTIFICATE_VERIFY_FAILED error on your Mac, then you may need to install a certifi package in your system.

You may try to do it in two ways:

➔ Via pip:

```
pip install --upgrade certifi
```

➜ If the issue still persists, then try to run a Certificates.command that comes bundled with Python 3.8 for Mac:

```
open /Applications/Python\ 3.8/Install\ Certificates.command
```