

Python Dictum Web API

Time required: 30 minutes

Dictum

In general usage, a dictum is an authoritative or dogmatic statement.

Tutorial: Dictum

This is a good template for exploring another Web API.

1. Create a Python program named **dictum.py**
2. Enter the code as shown.

```
1  """
2      Name: dictum_cli.py
3      Author:
4      Created:
5      Purpose: Get random dictum from API
6      In general usage, a dictum is an authoritative or dogmatic statement.
7  """
8
9  # Import the requests module
10 import requests
11 import os
12
13 # Set this to False to only display the data
14 IS_DEBUGGING = True
15
16 # URL for single dictum
17 URL = "https://www.quoterism.com/api/quotes/random"
```

Here is a copy of the url you can copy and paste.

```
URL = "https://www.quoterism.com/api/quotes/random"
```

```

20 def main():
21
22     # Use the requests.get() function
23     # with the parameter of the URL
24     response = requests.get(URL)
25
26     # If the status_code is 200, successful connection and data
27     if (response.status_code == 200):
28
29         # Convert the JSON data into a Python dictionary with key value pairs
30         data = response.json()
31
32         # Used to debug process
33         if (IS_DEBUGGING == True):
34
35             # Display the status code
36             print(f"\nStatus code: {response.status_code} \n")
37
38             # Display the raw JSON data from the API
39             print("The raw data from the JokeAPI:")
40             print(response.text)
41
42             # Display the Python dictionary
43             print("\nThe JSON data converted to a Python dictionary:")
44             print(data)
45
46             # Print the data using the dictionary created from the API JSON data
47             print(f"\n{data.get('text')}")
48             print(f"--{data.get('author').get('name')}")
49
50         else:
51             print("API unavailable")

```

```

55 # Menu loop
56 while True:
57     # Clear the screen
58     os.system("cls" if os.name == "nt" else "clear")
59     # Call the main method to get a new Dictum
60     main()
61     # Display menu choices
62     answer = input(
63         "\nAnother dictum? ([y] or [Enter] to quit)? ")
64     # Exit program
65     if answer == "":
66         break

```

Example run from a command prompt: **python dictum.py**

The screen clears for each dictum.

```
You are always free to change your mind and choose a different future, or a different past.  
--Richard Bach  
  
Another dictum? ([y] or [Enter] to quit)? _
```

Assignment Submission

1. Attach the program files.
2. Attach screenshots showing the successful operation of the program.
3. Submit in Blackboard.