

ARGPARSE TUTORIAL

This is a concept I just wanted to explore for your midterm. You are now working with jupyter notebooks till now.

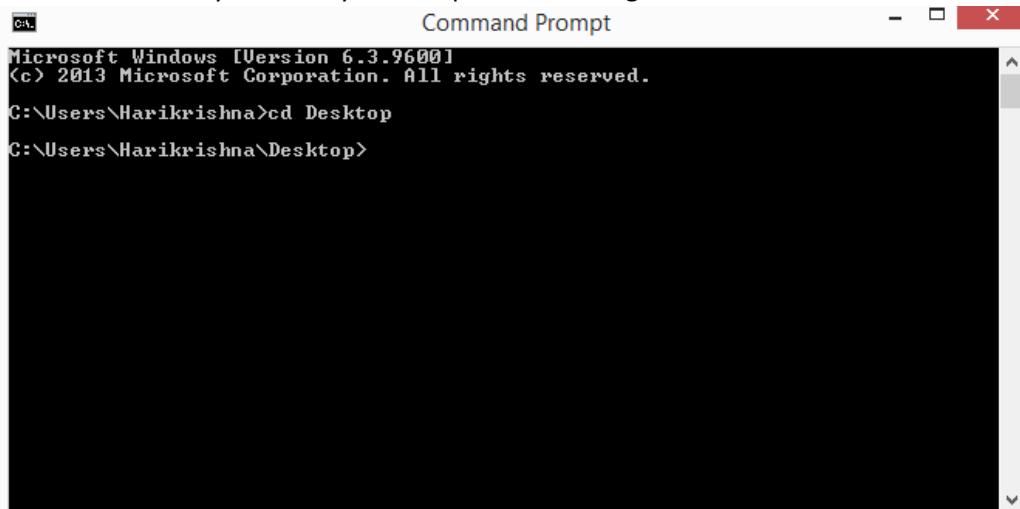
How about writing the code in a python file and running it from the command prompt? Sounds interesting right?

File:

Sampleapirequest.py

You can run this file like this:

1. Place the file in any folder in your computer and navigate to that folder



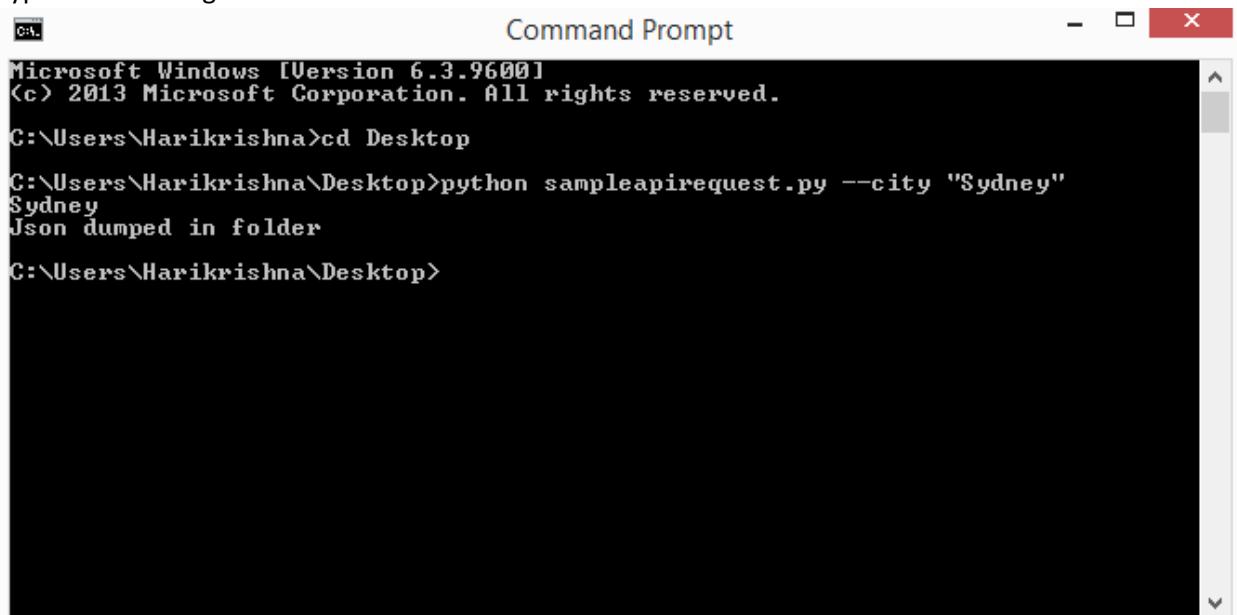
```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Harikrishna>cd Desktop

C:\Users\Harikrishna\Desktop>
```

(In my case the file is in my Desktop)

2. Type the following



```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Harikrishna>cd Desktop

C:\Users\Harikrishna\Desktop>python sampleapirequest.py --city "Sydney"
Sydney
Json dumped in folder

C:\Users\Harikrishna\Desktop>
```

3. Here the parameter 'city' is passed to the python file and used to pass as a parameter to the api request
4. In this program, passing the parameter Sydney (Please do not change anything I have typed because I have got the data, stored it in a list called populationdata and dumped part of the data to a json file. This will not work for any other city since I have stored data in a list, accessed the second element of the list and dumped that data to the json file)
5. I have provided a small tutorial. Explore argparse further to pass various parameter.

Running "sample.py"

1. Run this file like this. This just sends a parameter and prints the values you passed.

```
C:\Users\Harikrishna\Desktop>python sample.py --city "kafka" --number=1  
kafka  
1  
C:\Users\Harikrishna\Desktop>
```

This tutorial is to give you an overview of argparse. Explore further.

Note: Do not run this python file many times since I have included my API key and there are limits on the number of times you can hit the API in a day. Thanks for the consideration.