

Press **Esc** to exit full screen

Code Sample

Geodata

<https://www.py4e.com/code3.zip>

Chapter 16

A portrait of Charles Severance, a man with a grey beard and mustache, wearing a dark suit, white shirt, and blue patterned tie. He is smiling slightly and looking towards the camera.

**CHARLES
SEVERANCE**

**PYTHON
FOR EVERYBODY**


```
Slide06.png
geoload.py — /Applications/MAMP/htdocs/py4e/code3

code3
├── __pycache__
├── bs4
├── geodata
│   ├── geodata.sqlite
│   ├── geodump.py
│   └── geoload.py
│   ├── README.txt
│   ├── where.data
│   ├── where.html
│   └── where.js
├── gmane
├── pagerank
├── roster
├── tracks
├── .DS_Store
├── .htaccess
├── addtwo.py
├── argfile.py
├── argtest.py
├── authors.txt
├── avelist.py
├── avenus.py
├── average.py
└── badhtml.html

where.data
1 import urllib.r
2 import http
3 import sqlite3
4 import json
5 import time
6 import ssl
7 import sys
8
9 api_key = False
10 # If you have a
11 # api_key = 'AI
12
13 if api_key is F
14     serviceurl
15 else :
16     serviceurl
17
18 # Additional de
19 # http.client.H
20
21 conn = sqlite3.
22 cur = conn.curs

geoload.py
Retrieved 12063 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=IT+College+of+Esto
nia
Retrieved 2004 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=IU
Retrieved 1376 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=IUAV+Venezia
Retrieved 2070 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Illinois+Institute
+of+Technology
Retrieved 2264 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Illinois+State+Uni
versity+Joliet+Junior+College
Retrieved 1432 characters { "results" : [
Pausing for a bit...
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Indian+Institute+o
f+Technology
Retrieved 2016 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Indian+Institute+o
f+Technology
```

In Linux you'd hit Control C and on Windows I think you'd hit Control Z.

code3

__pycache__

bs4

geodata

geodata.sqlite

geodump.py

geoload.py

README.txt

where.data

where.html

where.js

gmane

pagerank

roster

tracks

.DS_Store

.htaccess

addtwo.py

argfile.py

argtest.py

authors.txt

avelist.py

avenum.py

average.py

badhtml.html

where.data

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21 conn = sqlite3.
22 cur = conn.curs

geoload.py — /Applications/MAMP/htdocs/py4e/code3

geoload.py

geodata — -bash — 73x28

/Applications/MAMP/htdocs/py4e/code3/geodata — -bash

+at+Bloomington
Retrieved 2715 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Institut+Superieur
+de+technologies
Retrieved 1779 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Institute+of+Busin
ess+and+Modern+Technologies
Retrieved 2429 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Instituto+Tecnolog
ico+de+Santo+Domingo
Retrieved 1777 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=International+Inst
itute+of+Information+Technology+Hyderabad
Retrieved 1575 characters { "results" : [
Retrieving http://py4e-data.dr-chuck.net/geojson?query=Irkutsk+State+Univ
ersity
Retrieved 1787 characters { "results" : [
Pausing for a bit...
^CTraceback (most recent call last):
File "geoload.py", line 77, in <module>
time.sleep(5)

That causes a keyboard interrupt traceback.

code3

- __pycache__
- bs4
- geodata
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 - where.data
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 - avenum.py
 - average.py
 - badhtml.html

geodata/where.js 1:1

```
1 myData = [  
2 [50.0676785, 19  
3 [52.2296756, 21  
4 [30.0068972, 31  
5 [33.4232051, -1  
6 [33.9094658, -8  
7 [28.3580163, 75  
8 [43.1294077, -7  
9 [25.2685304, 82  
10 [12.9426914, 77  
11 [64.8852156, -1  
12 [39.9304437, 11  
13 [53.8931836999  
14 [33.0430635, -9  
15 [42.5030209, -8  
16 [53.8931836999  
17 [32.0184325, 34  
18 [10.6779821, 78  
19 [42.3400834, -7  
20 [35.2827524, -1  
21 [34.1515641, -1  
22 [20.5401707000
```

```
Monterrey, N.L., Mexico 25.6866142 -100.3161126  
Moscow, Russia 55.755826 37.6173  
Moscow, Russia 55.755826 37.6173  
Lomonosov Moscow State University, MSU Institute of Mechanics, Michurinsk  
iy pr., 1, Moskva, Russia, 119192 55.7066609 37.5169664  
NIT Backpost, Sector 1, Rourkela, Odisha 769008, India 22.2557869 84.9125  
553  
Nyu, Mihama, Mikata District, Fukui Prefecture 919-1201, Japan 35.712815  
135.9711705  
Nagpur University Campus, Nagpur, Maharashtra 440033, India 21.1470404 79  
.0397862  
Nanyang Technological University Shanghai Office, Pudong, Shanghai, China  
, 201203 31.204638 121.5853839  
Jalandhar, Punjab, India 31.3260152 75.576182899999999  
National Taiwan Normal University Main Campus I, Da'an District, Taipei C  
ity, Taiwan 106 25.0254571 121.5273658  
National Baguio University, Bokawkan, Baguio, Benguet, Philippines 16.422  
6352 120.5906046  
N Central Ave, Tampa, FL, USA 28.0530332 -82.4553299  
Northeastern, Boston, MA 02115, USA 42.340075 -71.0895367  
Lyceum NorthWestern University, Urdaneta City, Pangasinan, Philippines 15  
.9447035 120.5815111  
Obninsk, Kaluga Oblast, Russia 55.1170375 36.5970818  
Old Dominion University, 5115 Hampton Blvd, Norfolk, VA 23508, USA 36.883  
8958 -76.3040214  
120 records written to where.js  
Open where.html to view the data in a browser  
MacBook-Pro-4:geodata csev$ open where.html
```