

```
Thonny - C:\python_batch\country\accenturecoding1.py @ 14 : 7
File C:\WINDOWS\system32\cmd.exe
Requirement already satisfied: six>=1.9 in c:\users\diya\appdata\local\programs\thonny\lib\site-packages (from html5lib) ^ (1.16.0)
Installing collected packages: webencodings, html5lib
Successfully installed html5lib-1.1 webencodings-0.5.1
WARNING: You are using pip version 20.1.1; however, version 22.0.4 is available.
You should consider upgrading via the 'C:\Users\Diya\AppData\Local\Programs\Thonny\python.exe -m pip install --upgrade pip' command.

C:\python_batch\country>pip install bs4
Collecting bs4
  Downloading bs4-0.0.1.tar.gz (1.1 kB)
Collecting beautifulsoup4
  Downloading beautifulsoup4-4.11.1-py3-none-any.whl (128 kB)
    |██████████| 128 kB 6.9 kB/s
Collecting soupsieve>1.2
  Downloading soupsieve-2.3.2.post1-py3-none-any.whl (37 kB)
Building wheels for collected packages: bs4
  Building wheel for bs4 (setup.py) ... done
  Created wheel for bs4: filename=bs4-0.0.1-py3-none-any.whl size=1273 sha256=8da4a630bf9fc5c5f108e7d3093bde2701f63976ea2167ca
  Stored in directory: c:\users\diya\appdata\local\pip\cache\wheels\0a\9e\ba\20e5bbc1afef3a491f0b3bb74d508f99403aabbe76ed
Successfully built bs4
Installing collected packages: soupsieve, beautifulsoup4, bs4
Successfully installed beautifulsoup4-4.11.1 bs4-0.0.1 soupsieve-2.3.2.post1
WARNING: You are using pip version 20.1.1; however, version 22.0.4 is available.
You should consider upgrading via the 'C:\Users\Diya\AppData\Local\Programs\Thonny\python.exe -m pip install --upgrade pip' command.

>>> C:\python_batch\country>
enter the input sum:
```

Thonny - C:\python_batch\country\webscrapp.py @ 3:73

File Edit View Run Tools Help

webscrapp.py

```
1 import requests
2 from bs4 import BeautifulSoup
3 url = "https://openlibrary.org/?msclkid=b9c10303cea211eca08cb602f82cc7eb"
4 r = requests.get(url)
5 htmlContent = r.content
6 print(htmlContent)
```

Shell >

```
>>> %Run webscrapp.py
b'\n\n<!DOCTYPE html>\n<html xmlns="http://www.w3.org/1999/xhtml" lang ...'
>>>
```

Thonny - C:\python_batch\country\webscrapp.py @ 8:20

File Edit View Run Tools Help

webscrapp.py

```
1 import requests
2 from bs4 import BeautifulSoup
3 url = "https://openlibrary.org/?msclkid=b9c10303cea211eca08cb602f82cc7eb"
4 r = requests.get(url)
5 htmlContent = r.content
6 print(htmlContent)
7 soup = BeautifulSoup(htmlContent, 'html.parser')
8 print(soup.prettify)
```

Shell >

```
} );
```

```
if (typeof archive_analytics !== 'undefined') {
  archive_analytics.set_up_event_tracking();
}
</script>
</body>
</html>
>
```

>>>

Help

Plotting series of numbers
You can visualize series of numbers printed to the Shell by using the [Plotter](#).

Assistant

Warnings
May be ignored if you happy with your program.

webscrapp.py

- Line 1 : Library stubs not installed for "requests" (or incompatible with Python 3.7)
- Line 1 : Hint: "Python3 -m pip install types-requests"
- Line 1 : (or run "mypyc --install-types" to install all missing stub packages)
- Line 1 : See [https://.../](#)

Thonny - C:\python_batch\country\webscrapp.py @ 10:24

File Edit View Run Tools Help

webscrapp.py

```
1 import requests
2 from bs4 import BeautifulSoup
3 url = "https://openlibrary.org/?msclkid=b9c10303cea211eca08cb602f82cc7eb"
4 r = requests.get(url)
5 htmlContent = r.content
6 print(htmlContent)
7 soup = BeautifulSoup(htmlContent, 'html.parser')
8 print(soup.prettify())
9 title = soup.title
10 print(type(title.string))
```

Help

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Assistant

Warnings
May be ignored if you are happy with your program.

webscrapp.py

- Line 1 : Library stubs not installed for "requests" incompatible with Python 3.7
- Line 1 : Hint: "python3 -m install types-requests"
- Line 1 : (or run "mypy --install-types") to install all missing stub packages
- Line 1 : See https://mypy.readthedocs.io/en/stable/missing_type_stubs.html

Shell

```
>>> if (typeof archive_analytics !== 'undefined') {
    archive_analytics.set_up_event_tracking();
}
</script>
</body>
</html>
>
<class 'bs4.element.NavigableString'>
```

Type here to search

13:33 40°C ENG 08/05/2022

Thonny - C:\python_batch\country\webscrapp.py @ 19:5

File Edit View Run Tools Help

webscrapp.py

```
3 url = "https://openlibrary.org/?msclkid=b9c10303cea211eca08cb602f82cc7eb"
4 r = requests.get(url)
5 htmlContent = r.content
6 print(htmlContent)
7 soup = BeautifulSoup(htmlContent, 'html.parser')
8 print(soup.prettify())
9 title = soup.title
10 print(type(title.string))
11 #print all paragraphs from the page
12 paras = soup.find_all('p')
13 print(paras)
14 #get anchor tags from the page
15 anchors = soup.find_all('a')
16 #get links on the page
17 for link in anchors:
18     print(link.get('href'))
19 |
```

Help

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Assistant

Warnings
May be ignored if you happy with your program.

webscrapp.py

- Line 1 : Library stubs not installed for "requests" incompatible Python 3.7
- Line 1 : Hint: "python3 -m install types-requests"
- Line 1 : (or run "mypy --install-type") install all missing stub packages
- Line 1 : See https://mypy

Shell

```
#  
#  
#  
//archive.org/  
//archive.org/projects/  
//archive.org/web/  
//archive.org/  
//archive-it.org  
https://github.com/internetarchive/openlibrary/commit/d552919
```

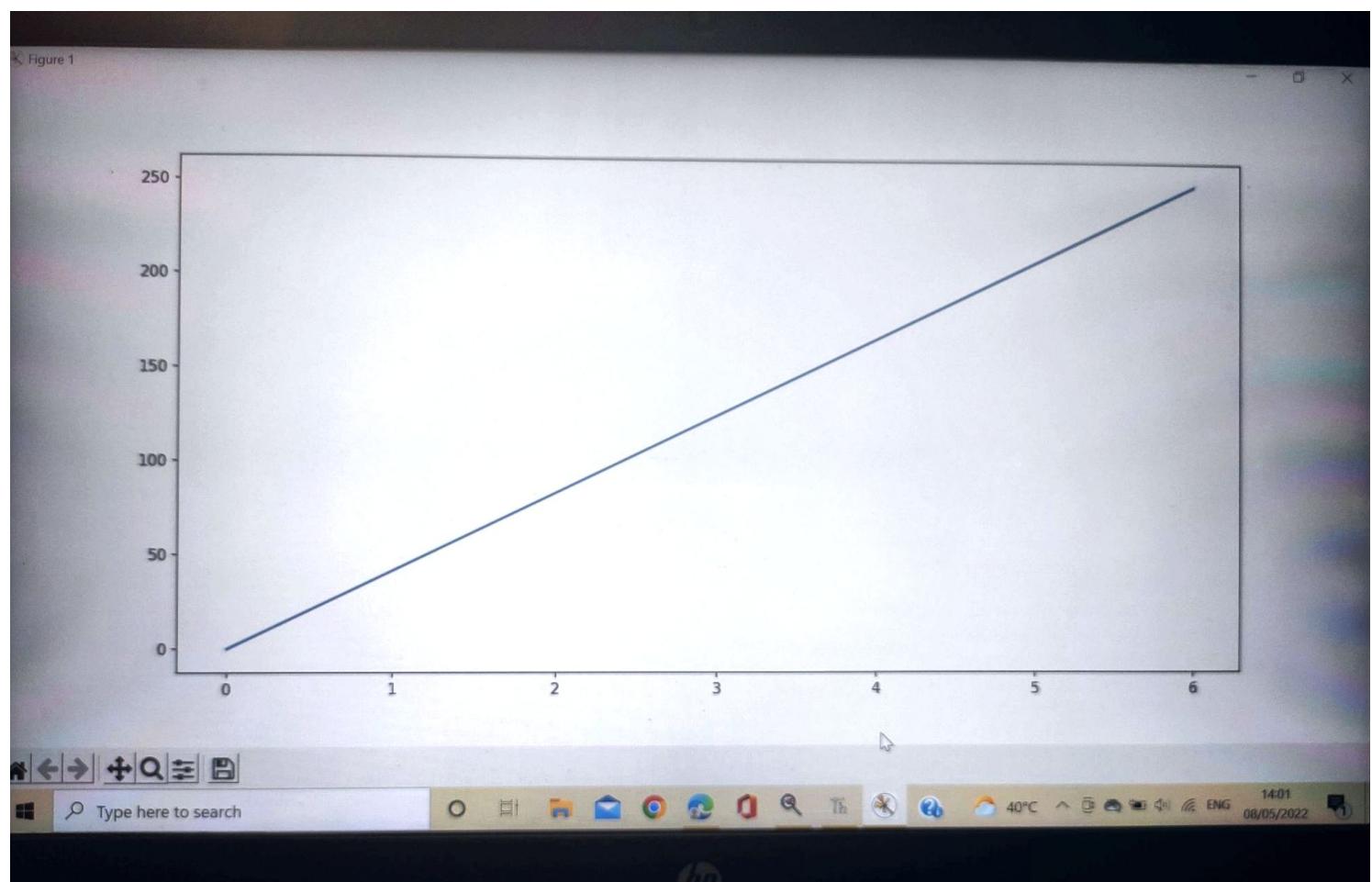
Type here to search

13:42 40°C ENG 08/05/2022

The screenshot shows the Thonny IDE interface. The title bar reads "Thonny - C:\python_batch\country\webscrapp.py @ 32:11". The menu bar includes File, Edit, View, Run, Tools, Help. The main code editor window contains the following Python script:

```
16 #print all paragraphs from the page
17 paras = soup.find_all('p')
18 print(paras)
19
20 #get anchor tags from the page
21 anchors = soup.find_all('a')
22
23 #get links on the page
24 for link in anchors:
25     print(link.get('href'))
26
27 #matplotlib
28 xpoints = np.array([0, 6])
29 ypoints = np.array([0, 250])
30
31 plt.plot(xpoints, ypoints)
32 plt.show()
```

The code uses BeautifulSoup to find paragraphs and anchor tags, prints their contents, and then uses matplotlib to plot two points. A tooltip "Plotting series of numbers" is visible in the top right corner. The bottom left shows a terminal window with a shell prompt and some comments. The bottom right shows system status: 40°C, 14:01, 08/05/2022, Python 3.7.9.



Thonny - C:\python_batch\country\webscrapp.py @ 38 : 11

File Edit View Run Tools Help

webscrapp.py

```
22
23 #get links on the page
24 for link in anchors:
25     print(link.get('href'))
26
27 #matplotlib
28 xpoints = np.array([0, 6])
29 ypoints = np.array([0, 250])
30
31 plt.plot(xpoints, ypoints)
32 plt.show()
33
34 x = np.array(["A", "B", "C", "D"])
35 y = np.array([3, 8, 1, 10])
36
37 plt.bar(x,y)
38 plt.show()
```

Shell

```
#  
#  
#  
//archive.org/  
//archive.org/projects/  
//archive.org/web/  
//archive.org/  
//archive-it.org  
https://github.com/internetarchive/openlibrary/commit/d552919
```

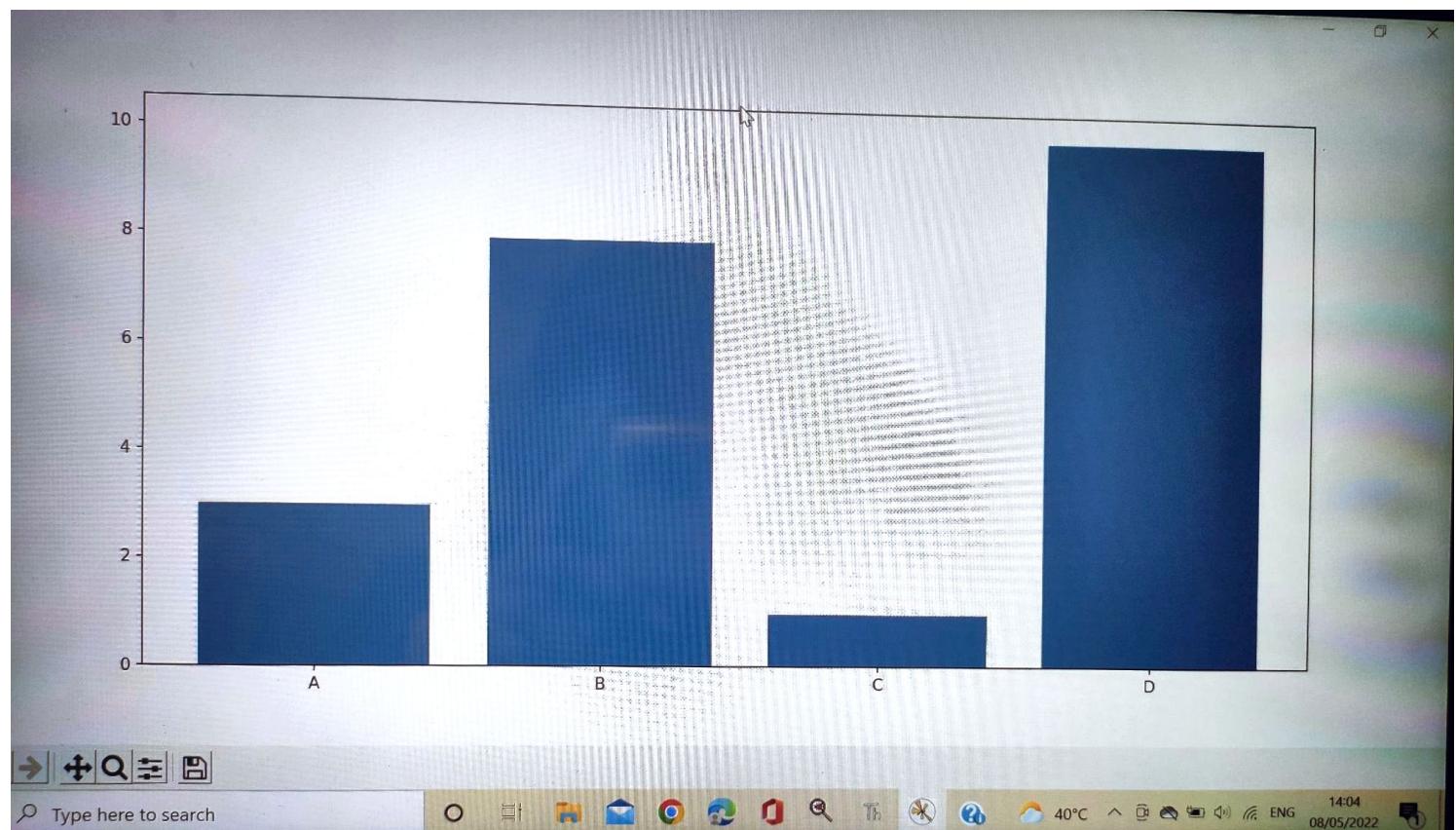
Help
==")

Plotting series of numbers
You can visualize series of numbers printed to the Shell by using the Plotter.

Assistant

Python 3.7.9

14:04 40°C ENG 08/05/2022



```
thonny -> C:\python_batch\country>accenturecoding1.py <--> Thonny
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|██████████| 128 kB 6.9 kB/s
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73cf1d2d00f8007509a764
    Stored in directory: c:\users\diya\appdata\local\pip\cache\wheels\0a\9e\ba\20e5bbc1afef3a491f0b3bb74d508f99403aab
e76ed
a2167ca
Successfully built bs4
Installing collected packages: soupsieve, beautifulsoup4, bs4
Successfully installed beautifulsoup4-4.11.1 bs4-0.0.1 soupsieve-2.3.2.post1
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Thonny - C:\python_batch\country\webscrapp.py @ 3:73

File Edit View Run Tools Help

webscrapp.py >

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6 print(htmlContent)
```

Shell >

```
>>> %Run webscrapp.py
b'\n\n<!DOCTYPE html>\n<html xmlns="http://www.w3.org/1999/xhtml" lang ...'
>>>
```