


Visual Studio Code interface showing a Python file named `main.py` with the word `requests` on line 1. The terminal window displays the command `pip install requests` being executed in a PowerShell shell.

The interface includes the Explorer sidebar on the left, the main editor area, and the Terminal panel at the bottom. The status bar at the bottom indicates the Python version (3.7.1 64-bit) and the current file location (Ln 1, Col 9).



EXPLORER

OPEN EDITOR... 1 UNSAVED

- main.py 2

WEB

- main.py 2

main.py

2 BeautifulSoup

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL

1: powershell + □ ✕

PS C:\Users\Durgesh\Desktop\web> pip install beautifulsoup4

I

> OUTLINE
> MAVEN PROJECTS

Python 3.7.1 64-bit 0 2

Ln 2, Col 14 Spaces: 4 UTF-8 CRLF Python ☺ 🔔



Visual Studio Code interface showing a Python script named `main.py` in the `main.py - web - Visual Studio Code` window.


The script content is as follows:

```
2 import requests
3 import bs4
4
5 url=input("enter your url")
6 response=requests.get(url)
7 print(type(response))
8 print(response.text)
```

The left sidebar shows the Explorer view with the following structure:

- EXPLORER
 - main.py
- OPEN EDITORS
 - main.py
- WEB
 - main.py

The bottom status bar indicates the Python 3.7.1 64-bit environment. The taskbar at the bottom shows the Windows Start button and several application icons.



Visual Studio Code interface showing a Python script named `main.py` and its execution in the terminal.

Code Editor (main.py):


```
1 import requests
2 import bs4
3
4 url=input("enter your url")
```

Terminal:

```
PS C:\Users\Durgesh\Desktop\web> python main.py
enter your url
```

Bottom Bar:

- Python 3.7.1 64-bit
- 0 0 0
- Minify
- Ln 1, Col 1
- Python
- 4:56 PM
- 11/29/2019



main.py - web - Visual Studio Code

EXPLORER

main.py

main.py

```
1 import requests
2 import bs4
3
4 url=input("enter your url")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

2: python

PS C:\Users\Durgesh\Desktop\web> python main.py
enter your urlhttps://techsoftindia.co.in


> OUTLINE
> MAVEN PROJECTS

Python 3.7.1 64-bit 0 0 0 Minify

Ln 1, Col 1

python


4:56 PM 11/29/2019



Visual Studio Code interface showing a Python script in `main.py` for web scraping using `requests` and `BeautifulSoup`.

```
3
4 url=input("enter your url")
5 response=requests.get(url)
6 # print(type(response))
7 # print(response.text)
8 filename="temp.html"
9 bs=bs4.BeautifulSoup(response.text,"html.parser")
10
11 formatted_text=bs.prettify()
12 print(formatted_text)
```

The interface includes the Explorer sidebar on the left with sections for OPEN EDITORS and WEB, and the bottom status bar showing Python 3.7.1 64-bit, 0 errors/warnings, and Minify button.



main.py - web - Visual Studio Code

File Edit Selection View Go Debug Terminal Help

EXPLORER

main.py

main.py

main.py

main.py

```
3
4 url=input("enter your url")
5 response=requests.get(url)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

2: python


PS C:\Users\Durgesh\Desktop\web> python .\main.py
enter your urlhttps://www.techsoftindia.co.in

> OUTLINE
> MAVEN PROJECTS

Python 3.7.1 64-bit 0 0 Minify

Ln 12, Col 21 Spaces: 4

4:59 PM 11/29/2019





Visual Studio Code interface showing a Python script in `main.py` for parsing HTML response and saving it to a file.

```
6 # print(type(response))
7 # print(response.text)
8 filename="temp.html"
9 bs=bs4.BeautifulSoup(response.text,"html.parser")
10
11 formatted_text=bs.prettify()
12 print(formatted_text)
13
14 with open(filename,"w+") as f:
15     f.write(formatted_text)
16
17
18
```

The interface includes the Explorer sidebar on the left with sections for Explorer, Open Editors, and Web. The bottom status bar shows Python 3.7.1 64-bit, 0 errors/warnings, and Minify. A circular inset in the bottom right corner shows a person in an orange shirt.

Python 3.7.1 64-bit 0 0 Minify Ln 17, Col 1 Spaces: 4 5:00 PM 11/29/2019

Visual Studio Code interface showing a Python script and its execution.

Explorer Panel:

- main.py
- main.py > ...

Code Editor:

```
6 # print(type(response))
7 # print(response.text)
8 filename="temp.html"
```

Terminal:

```
PS C:\Users\Durgesh\Desktop\web> python .\main.py
enter your urlhttps://www.techsoftindia.co.in
```

Bottom Panel:

- OUTLINE
- MAVEN PROJECTS

Status Bar:

Python 3.7.1 64-bit 0 0 0 Minify Ln 17, Col 1 Spaces: 4

Taskbar:

Windows taskbar showing various application icons.

Inset Video:

A circular inset video showing a person speaking, likely a tutorial or lecture.

temp.html - web - Visual Studio Code

File Edit Selection View Go Debug Terminal Help

EXPLORER

main.py temp.html

OPEN EDITORS

main.py temp.html

WEB

main.py temp.html


temp.html > ...

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="utf-8"/>
5     <title>
6       Home | TechSoft INDIA | TechSoft INDIA Lucknow | Best Training Institue in Lucknow
7     </title>
8     <base href="/" />
9     <meta content="width=device-width, initial-scale=1" name="viewport"/>
10    <link href="assets/logo.ico" rel="icon" type="image/x-icon"/>
11    <!-- Compiled and minified CSS -->
12    <link href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materiali
13    <link href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.0/animate.min.c
14    <link href="https://cdnjs.cloudflare.com/ajax/libs/animate.css/3.7.0/animate.min.c
15    <!-- nuinto font -->
16    <link href="https://fonts.googleapis.com/css?family=Nunito" rel="stylesheet"/>
17    <link href="https://fonts.googleapis.com/css?family=Montserrat" rel="styleshe
18    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.m
19    </script>
20    <!-- Compiled and minified JavaScript -->
21    <script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/j
22    </script>
```

Python 3.7.1 64-bit 0 0 0 Minify

Ln 1, Col 1 Spaces: 2 UTF-8 C...

5:01 PM 11/29/2019



Visual Studio Code interface showing a Python script in `main.py` and a web browser view of `temp.html`.


The code in `main.py` is as follows:

```
8 filename="temp.html"
9 bs=bs4.BeautifulSoup(response.text,"html.parser")
10 formatted_text
11 formatted_text=bs.prettify()
12 # print(formatted_text)
13
14 with open(filename,"w+") as f:
15     f.write(formatted_text)
16
17
18 list_imgs=bs.find_all('img')
19 print(list_imgs)
20
```

The left sidebar shows the Explorer view with the following structure:

- EXPLORER
 - main.py
 - temp.html
- OPEN EDITORS
 - main.py
 - temp.html
- WEB
 - main.py
 - temp.html

The bottom status bar indicates the Python 3.7.1 64-bit environment, 0 errors/warnings, and the Minify button. The bottom right corner shows the system clock at 5:03 PM on 11/29/2019.



Visual Studio Code interface showing a Python script and a terminal window.

Explorer Panel:

- main.py
- temp.html

Open Editors:

- main.py
- temp.html

Web Panel:

- main.py
- temp.html

Code Editor (main.py):

```
8 filename="temp.html"
9 bs=bs4.BeautifulSoup(response.text,"html.parser")
10
11 formatted_text=bs.prettifyv()
```

Terminal Panel:

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

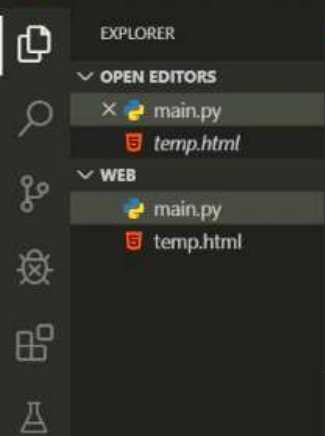
PS C:\Users\Durgesh\Desktop\web> python -u "c:\Users\Durgesh\Desktop\web\main.py"
enter your urlhttps://www.onlyjavatech.com

Bottom Bar:

Python 3.7.1 64-bit | 0 0 0 | Minify | Ln 19, Col 16 | Spaces: 4 | 5:03 PM | 11/29/2019

Inset Video:





```

8 filename="temp.html"
9 bs=bs4.BeautifulSoup(response.text,"html.parser")
10
11 formatted_text=bs.prettify()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 3: Code + - X

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Durgesh\Desktop\web> python -u "c:\Users\Durgesh\Desktop\web\main.py"

enter your url<https://www.onlyjavatech.com>

```
[, , , , , , , ]
```

PS C:\Users\Durgesh\Desktop\web>



> OUTLINE
> MAVEN PROJECTS

Python 3.7.1 64-bit 0 0 X Minify Analyzing in background, 4 items left...

Ln 19, Col 16 Spaces: 4




5:03 PM 11/29/2019

Visual Studio Code interface showing a Python script (main.py) and a web browser (temp.html) open. The code in main.py is as follows:

```
15 f.write(formatted_text)
16
17
18 list_imgs=bs.find_all('img')
19 # print(list_imgs)
20
21 no_of_imgs=len(list_imgs)
22
23 list_as=bs.find_all('a')
24 no_of_as=len(list_as)
25
26 print("number of img tags ",no_of_imgs)
27 print("number of anchor tags ",no_of_as)
28
```

The interface includes a sidebar with Explorer, Open Editors, and Web views. The Explorer view shows the file structure, including main.py and temp.html. The Open Editors view shows the active files. The Web view shows the content of the web browser. The status bar at the bottom indicates the current file is main.py, Python 3.7.1 64-bit, and the cursor is at line 27, column 40.



EXPLORER

main.py × temp.html

main.py > ...

main.py × main.py temp.html

main.py temp.html

```
15 f.write(formatted_text)
16
17
18 list imgs=bs.find all('img')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS C:\Users\Durgesh\Desktop\web> python .\main.py
enter your urlhttps://www.techsoftindia.co.in

3: Code + - ^ x

> OUTLINE
> MAVEN PROJECTS

Python 3.7.1 64-bit 0 0 0 Minify

Ln 27, Col 40 Spaces: 4 U



EXPLORER

main.py × temp.html

main.py > ...

main.py × main.py temp.html

main.py temp.html

```
15 f.write(formatted_text)
16
17
18 list imgs=bs.find all('img')
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

3: Code

```
PS C:\Users\Durgesh\Desktop\web> python .\main.py
enter your urlhttps://www.techsoftindia.co.in
number of img tags 9
number of anchor tags 41
PS C:\Users\Durgesh\Desktop\web>
```

