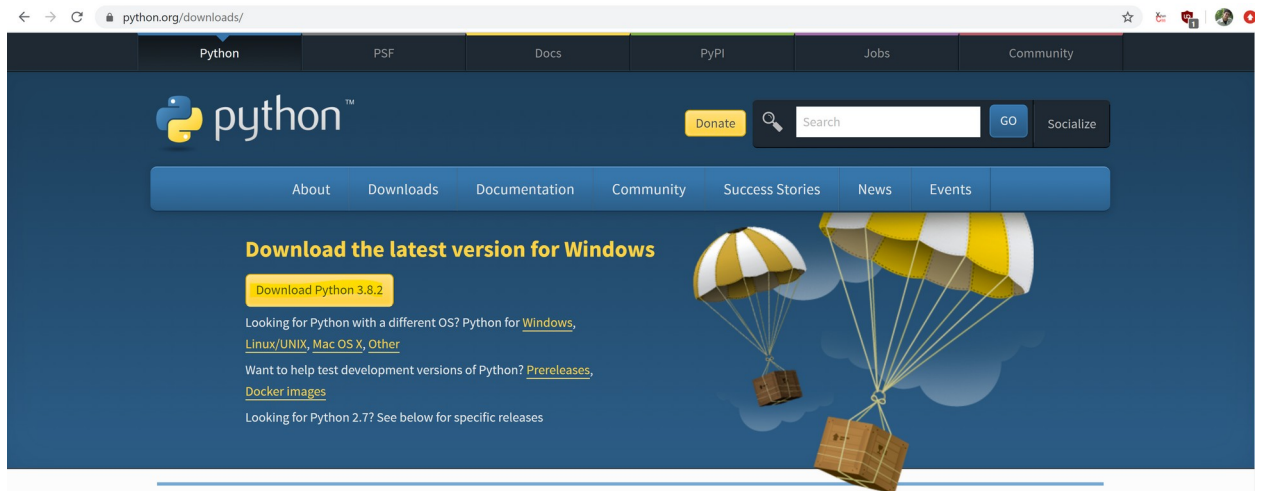


Python : Programmatically Health Check Web URLs and API's

Installations & Setup Steps:

1. Install python from here <https://www.python.org/downloads/>



2. Set paths for python directory and scripts where pip is in windows environment variables

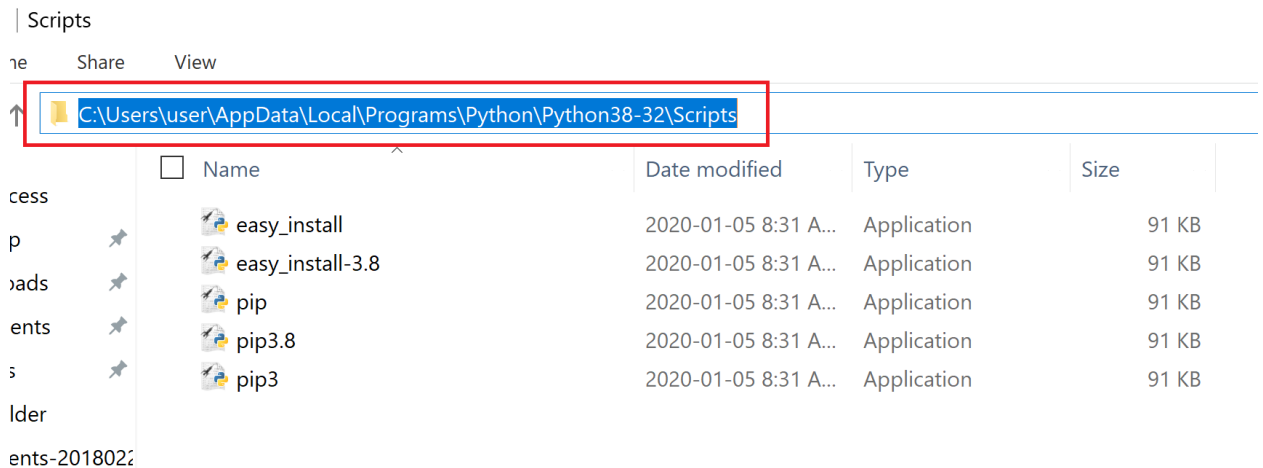
Directory where python is installed:

| Python38-32

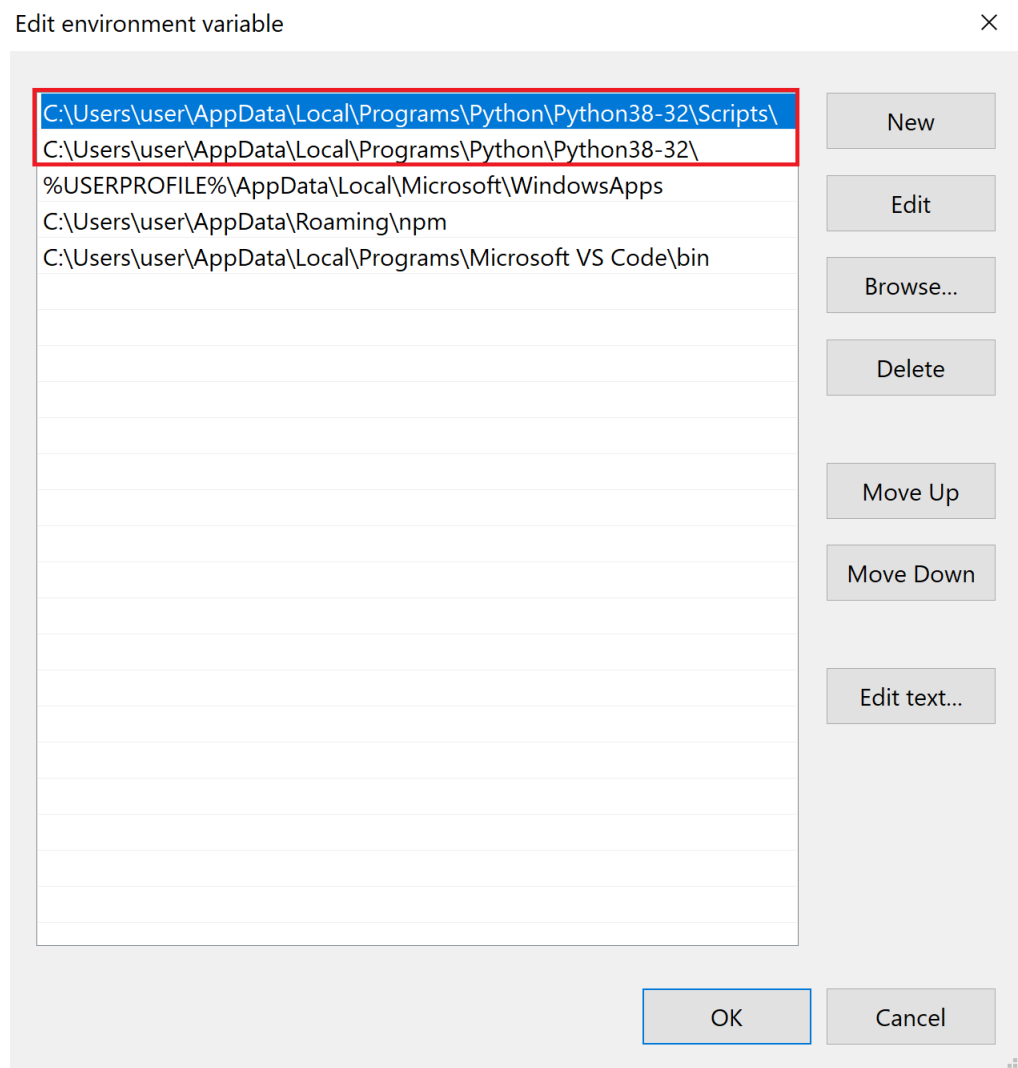
ne Share View

↑	C:\Users\user\AppData\Local\Programs\Python\Python38-32			
<input type="checkbox"/>	Name	Date modified	Type	Size
	DLLs	2020-01-05 8:31 A...	File folder	
	Doc	2020-01-05 8:31 A...	File folder	
	include	2020-01-05 8:30 A...	File folder	
	Lib	2020-01-05 8:31 A...	File folder	
	libs	2020-01-05 8:30 A...	File folder	
	Scripts	2020-01-05 8:31 A...	File folder	
	tcl	2020-01-05 8:31 A...	File folder	
	Tools	2020-01-05 8:31 A...	File folder	
	LICENSE	2019-12-18 11:26 ...	Text Document	31 KB
	NEWS	2019-12-18 11:27 ...	Text Document	859 KB
	python	2019-12-18 11:26 ...	Application	96 KB
	python3.dll	2019-12-18 11:26 ...	Application extens...	58 KB
	python38.dll	2019-12-18 11:26 ...	Application extens...	3,834 KB
	pythonw	2019-12-18 11:26 ...	Application	94 KB
	vcruntime140.dll	2019-12-18 11:27 ...	Application extens...	85 KB

Directory where scripts like pip are :

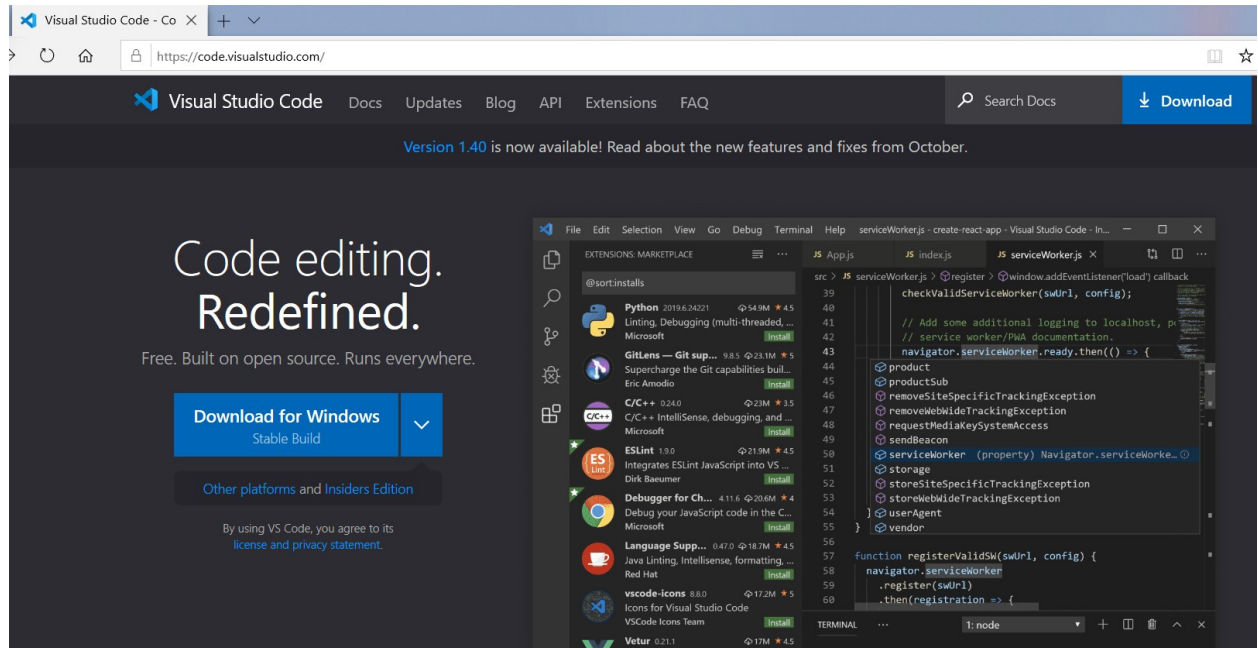


Now set these paths in PATH under System variables:

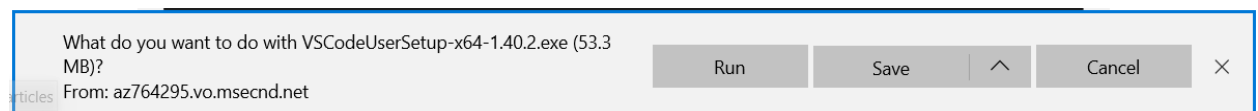


3. IDE – Visual Studio Code Installation

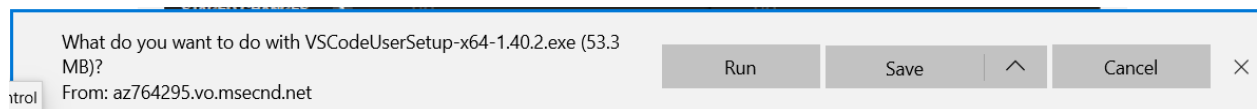
Go to <https://code.visualstudio.com/> . Click Download for Windows



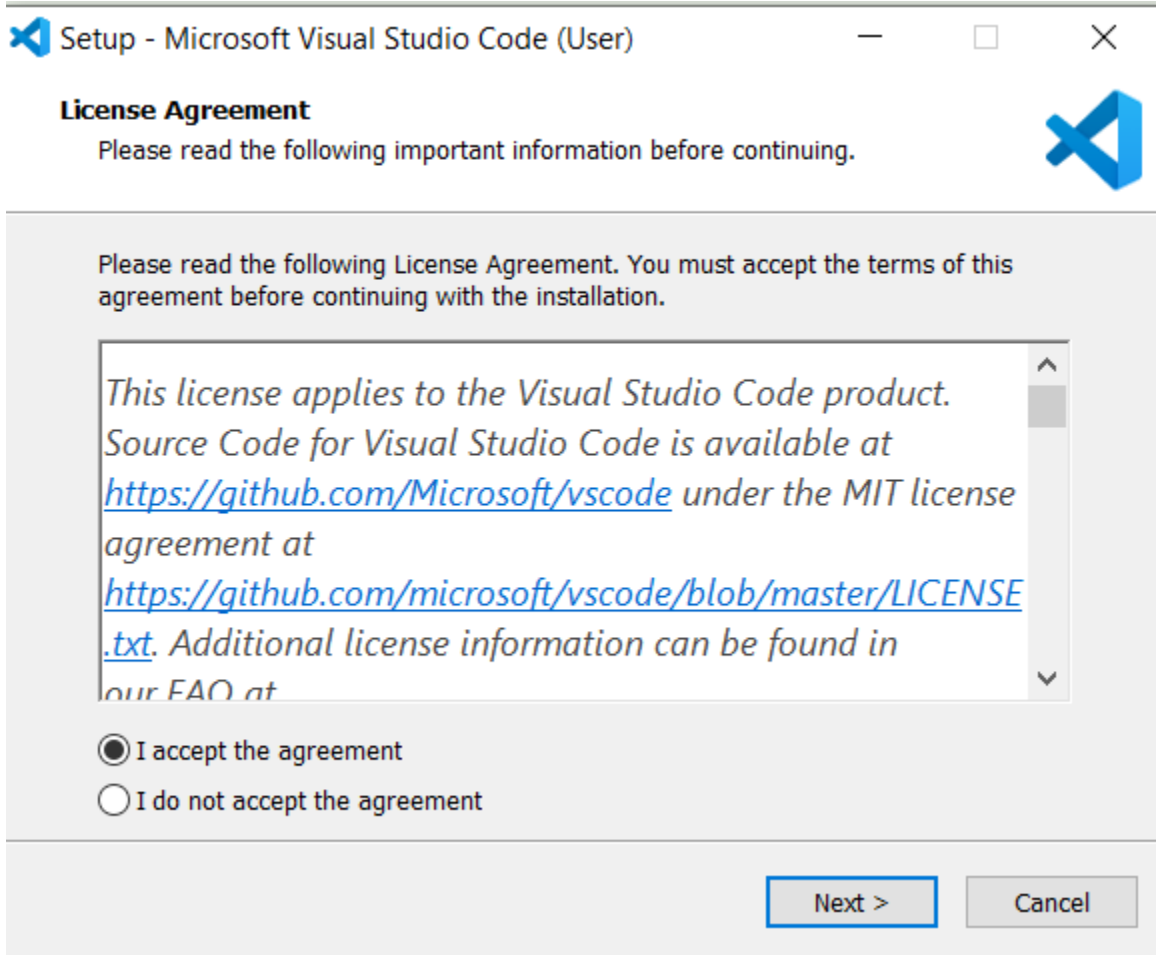
Click Save



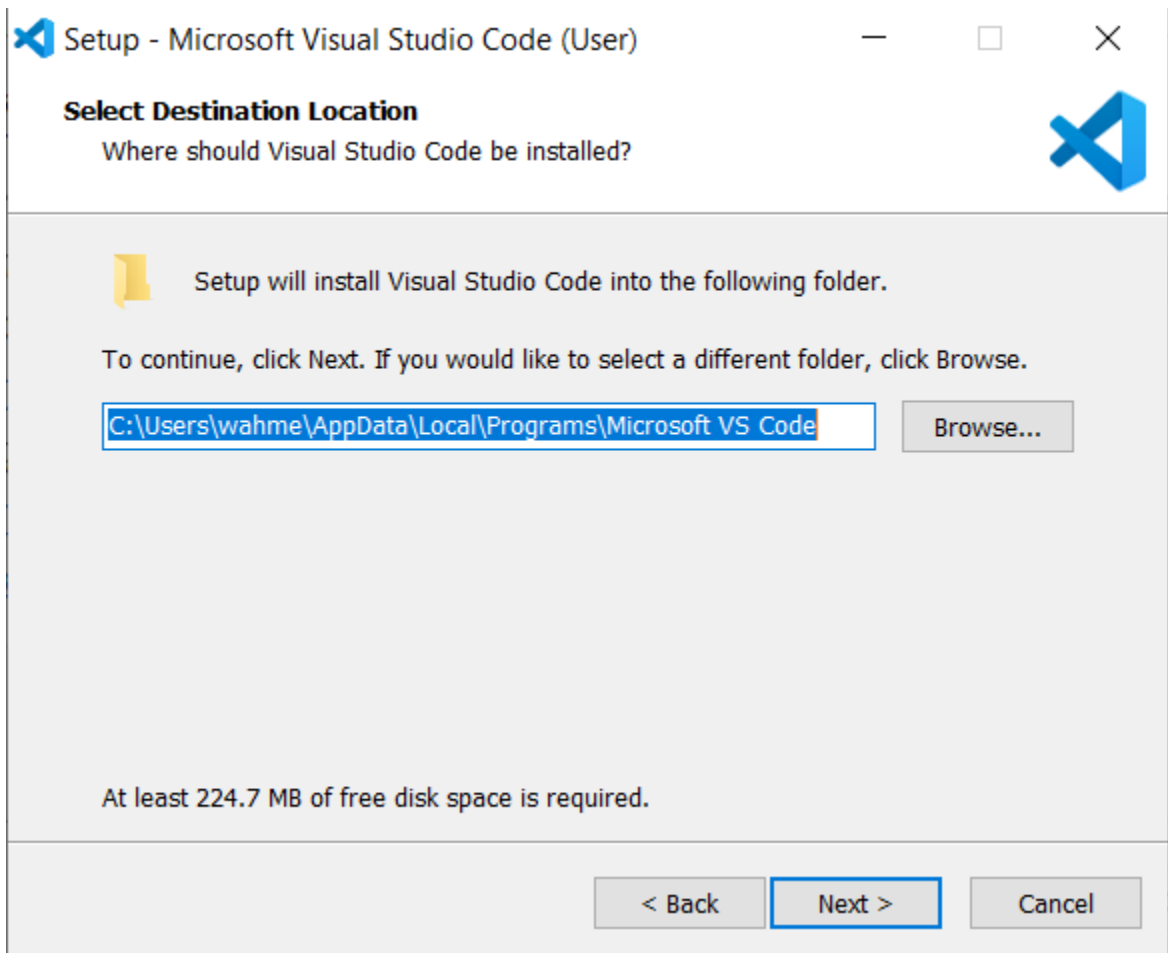
Click Run



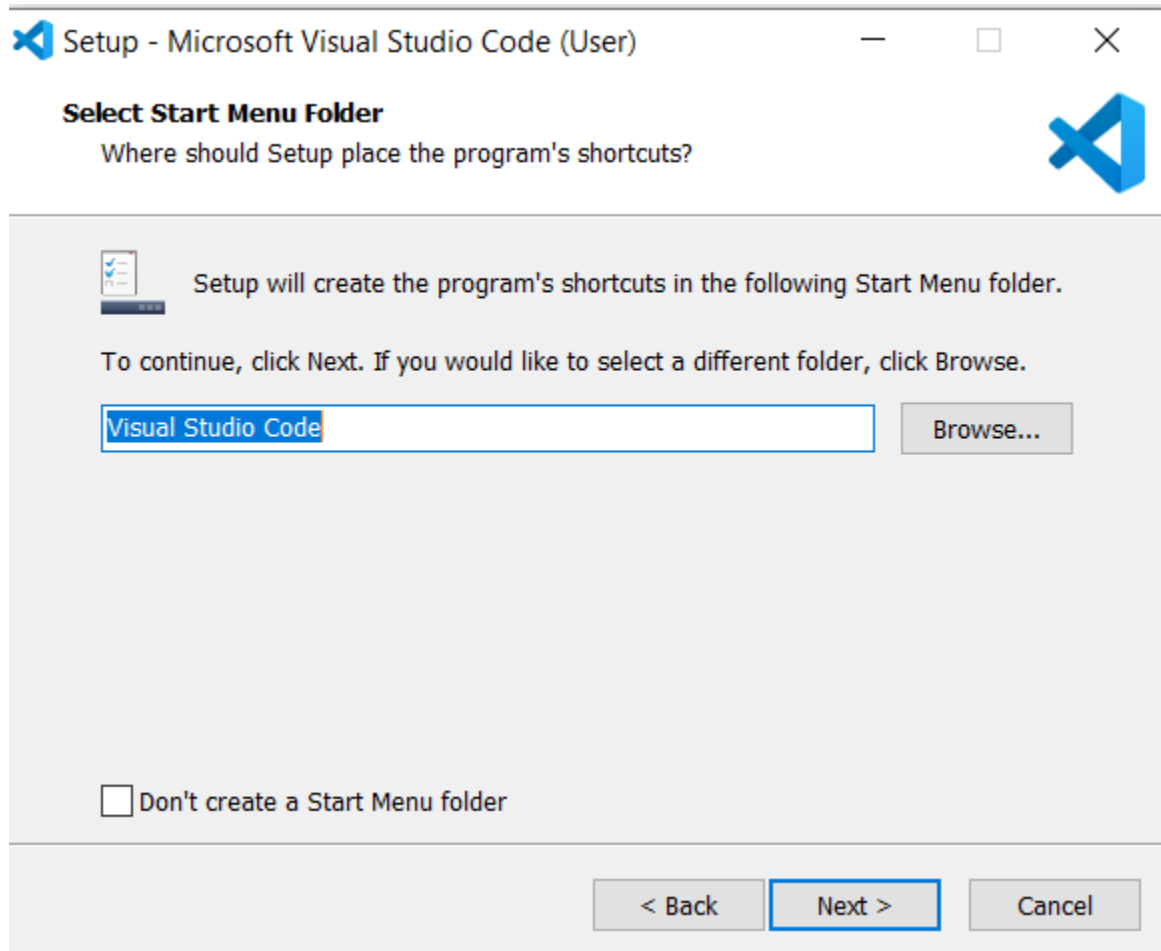
Select "I accept the agreement". Than Click Next



Click Next



Click Next



Click Next

Setup - Microsoft Visual Studio Code (User)

Select Additional Tasks

Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing Visual Studio Code, then click Next.

Additional icons:

☐ Create a desktop icon

Other:

☐ Add "Open with Code" action to Windows Explorer file context menu

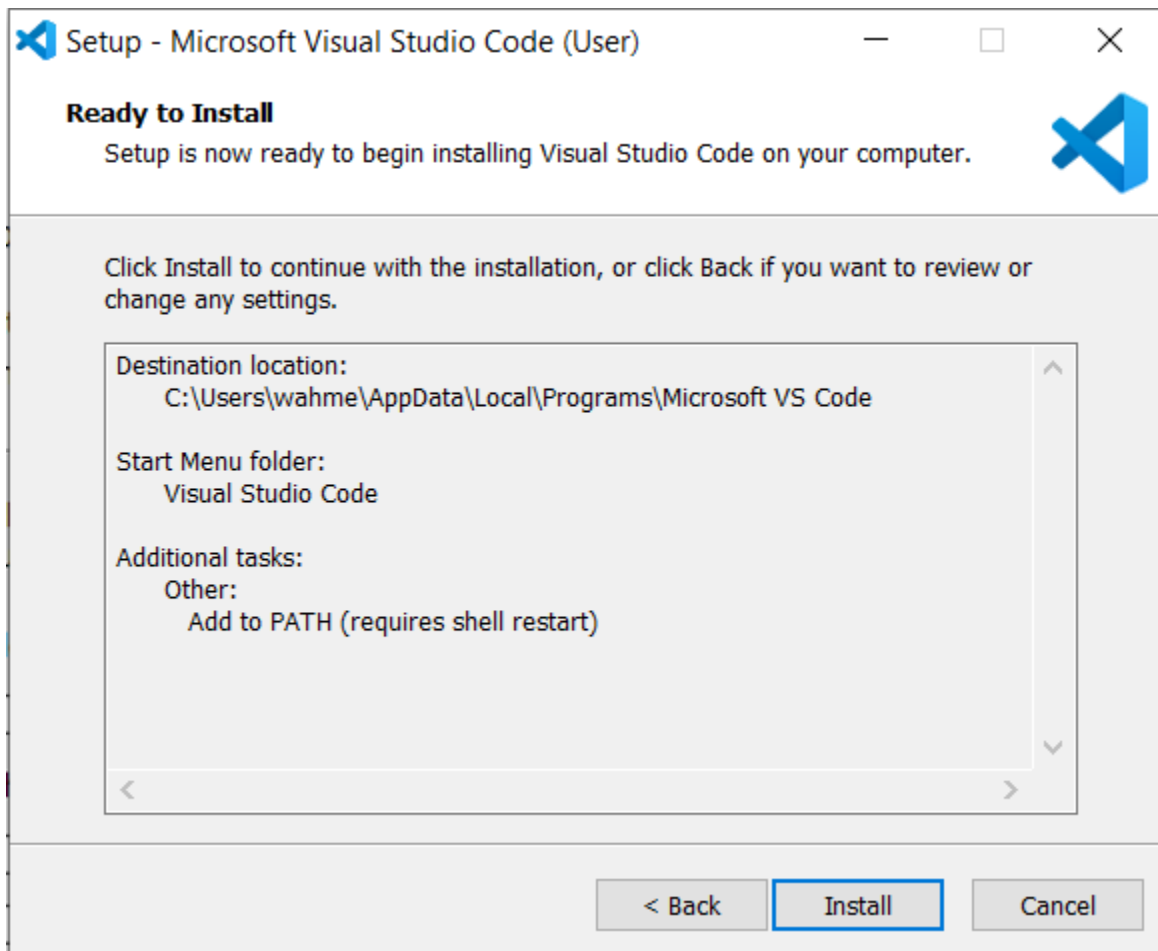
☐ Add "Open with Code" action to Windows Explorer directory context menu

☐ Register Code as an editor for supported file types

☒ Add to PATH (requires shell restart)

< Back Next > Cancel

Click Install



Setup - Microsoft Visual Studio Code (User)



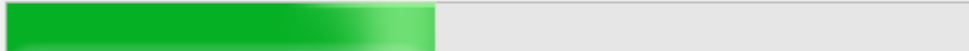
Installing

Please wait while Setup installs Visual Studio Code on your computer.



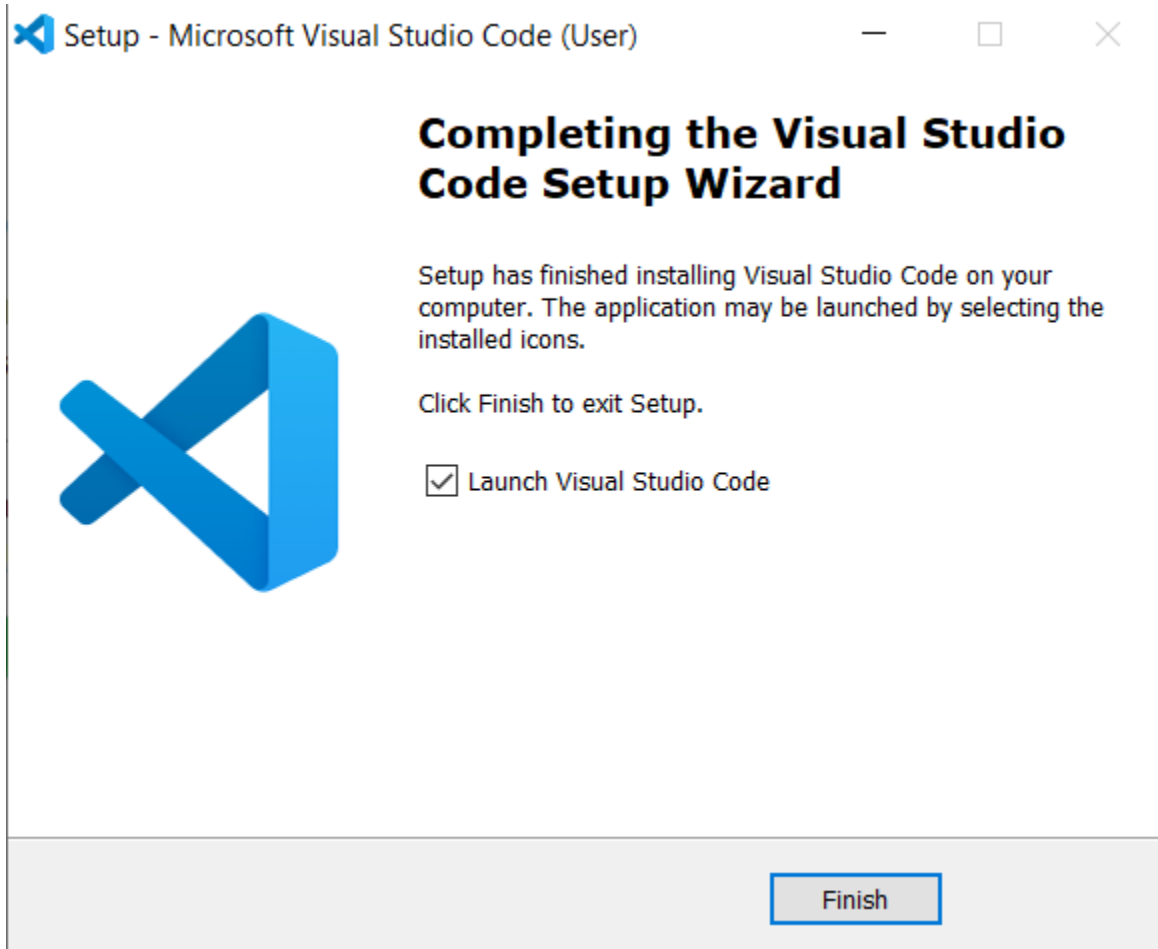
Extracting files...

C:\Users\wahme\AppData\Local\Programs\Microsoft VS Code\libGLESv2.dll



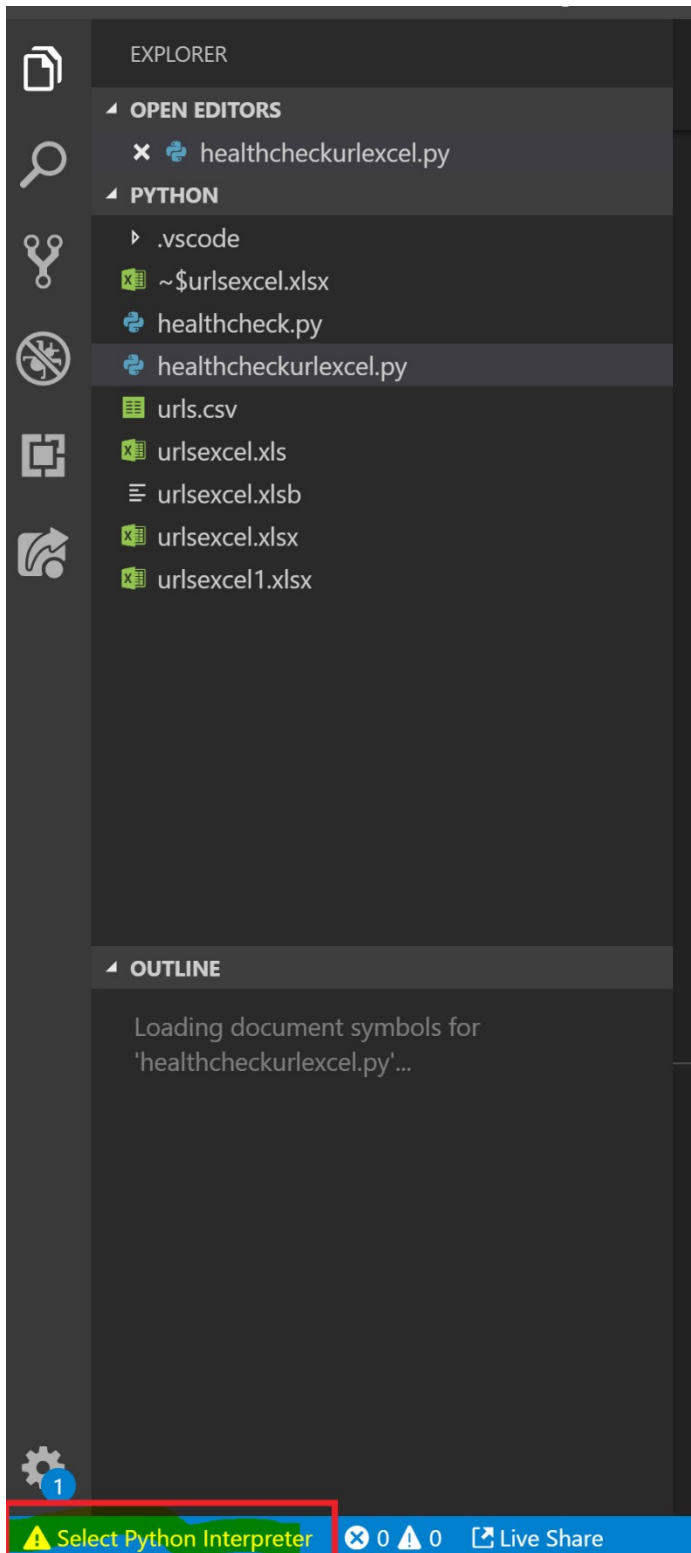
Cancel

Click Finish

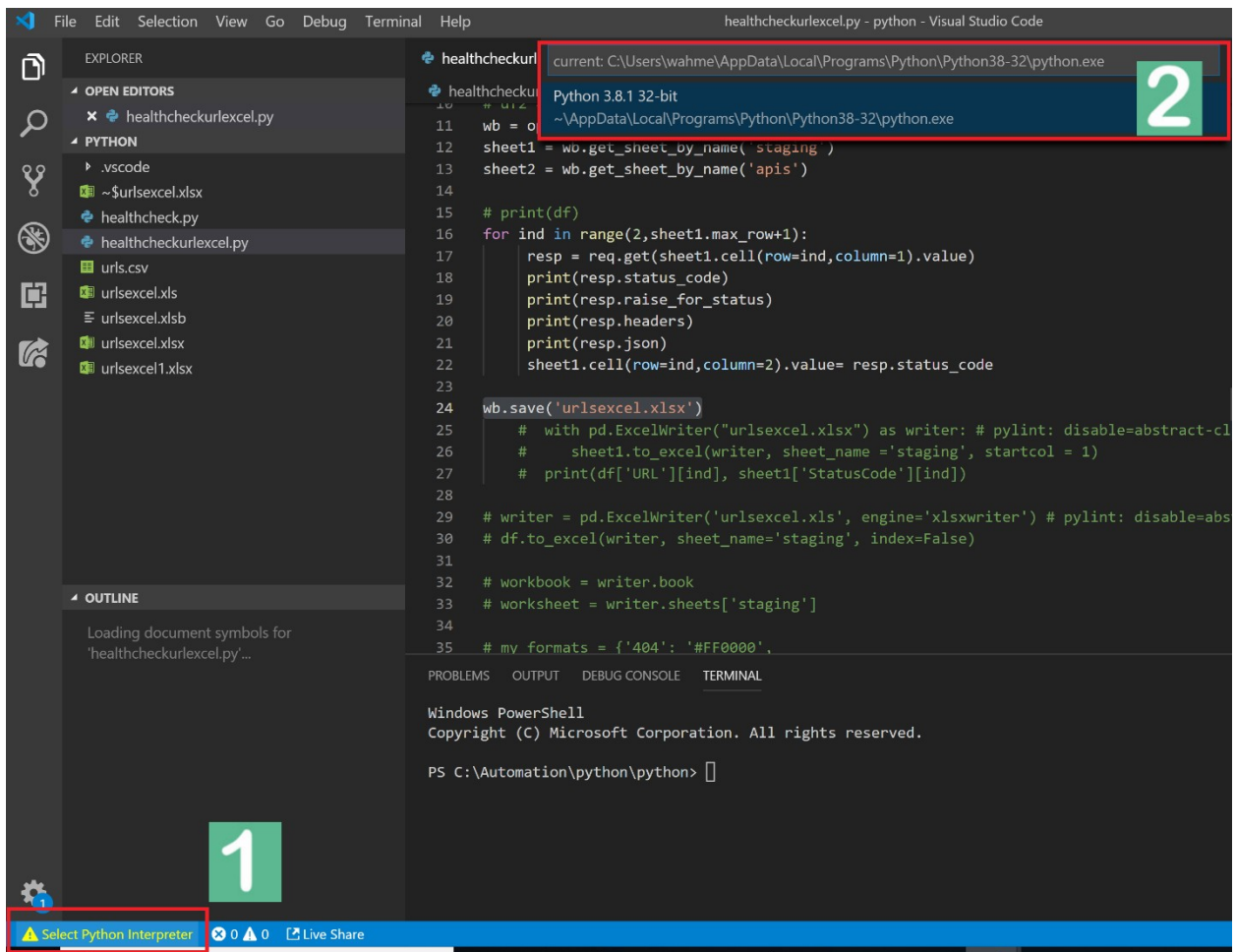


VS Code Configuration:

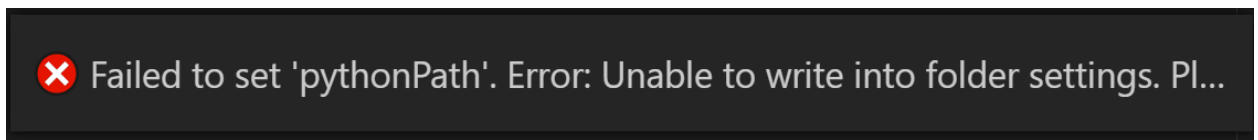
Now launch VS code IDE and open the python folder containing script. You will notice it will prompt you to set interpreter



First click on it and you will see the prompt on top and select the path for python



You will notice this error prompt



In order to fix this manually we will set the path in `settings.json` file in your project folder. Navigate to project folder in my case its here . You will see the `.vscode` folder , open it

This PC > Local Disk (C:) > Automation > python > python				
<input type="checkbox"/>	Name	Date modified	Type	Size
<input checked="" type="checkbox"/>	.vscode	2020-03-12 11:37 ...	File folder	
	healthcheck	2020-03-12 11:37 ...	Python File	1 KB
	healthcheckurlexcel	2020-03-12 11:37 ...	Python File	3 KB
	urls	2020-03-12 11:37 ...	Microsoft Excel C...	1 KB
	urlsexcel	2020-03-12 11:37 ...	Microsoft Excel 97...	6 KB
	urlsexcel	2020-03-12 11:37 ...	Microsoft Excel Bi...	10 KB
	urlsexcel	2020-03-12 3:59 P...	Microsoft Excel W...	11 KB
	urlsexcel1	2020-03-12 11:37 ...	Microsoft Excel W...	11 KB

You will see the settings.json file now open this in notepad++

This PC > Local Disk (C:) > Automation > python > python > .vscode				
<input type="checkbox"/>	Name	Date modified	Type	Size
	settings.json	2020-03-12 11:37 ...	JSON File	1 KB

It will look like this

```

1 {
2   "python.linting.enabled": true
3   "python.pythonPath": "C:\\Users\\user\\AppData\\Local\\Programs\\Python\\Python38-32\\python.exe"
4 }

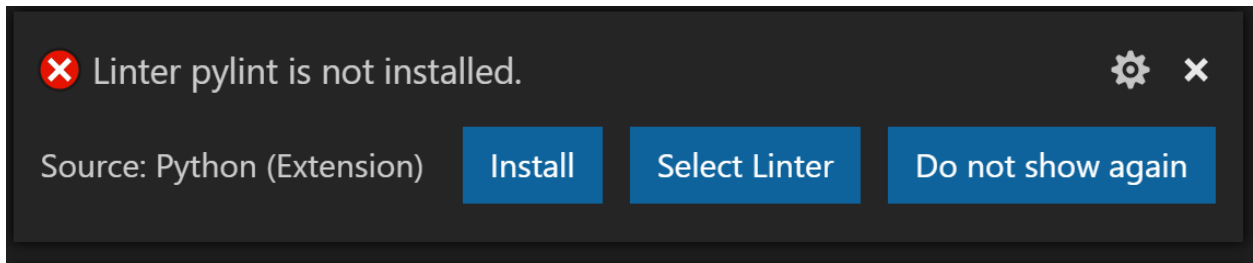
```

Just add the ' , ' at the end of first line after true and ensure python.pythonPath points to where python application is residing.

Save and close this file . Close the VScode and relaunch you might have to re-add the interpreter sometimes it takes time for VSCode to read path. Once its set you will notice in same place displaying correct version of python installed



Next you will see error prompt for pylint requesting to install Click on install



Pylint is a tool that checks for errors in Python code, tries to enforce a coding standard and looks for code smells. It can also look for certain type errors, it can recommend suggestions about how particular blocks can be refactored and can offer you details about the code's complexity.

You will see it installing pylint

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 2: Python + - [X] v
> & C:/Users/user/AppData/Local/Programs/Python/Python38-32/python.exe -m pip install -U pylint --user
Collecting pylint
  Downloading https://files.pythonhosted.org/packages/e9/59/43fc36c5ee316bb9aeb7cf5329cdbcda89e5749c34d5602753827c0aa2dc/pylint-2.4.4-py3-none-any.whl (302kB)
    |#####| 307kB 819kB/s
Collecting mccabe<0.7,>=0.6 (from pylint)
  Downloading https://files.pythonhosted.org/packages/87/89/479dc97e18549e21354893e4ee4ef36db1d237534982482c3681ee6e7b57/mccabe-0.6.1-py2.py3-none-any.whl
Collecting colorama; sys_platform == "win32" (from pylint)
  Downloading https://files.pythonhosted.org/packages/c9/dc/45cdef1b4d119eb96316b3117e6d5708a08029992b2fee2c143c7a0a5cc5/colorama-0.4.3-py2.py3-none-any.whl
Collecting astroid<2.4,>=2.3.0 (from pylint)
  Downloading https://files.pythonhosted.org/packages/ad/ae/86734823047962e7b8c8529186a1ac4a7ca19aaf1aa0c7713c022ef593fd/astroid-2.3.3-py3-none-any.whl (205kB)
    |#####| 215kB 2.2MB/s
Collecting isort<5,>=4.2.5 (from pylint)
  Downloading https://files.pythonhosted.org/packages/e5/b0/c121fd1fa3419ea9bfd55c7f9c4fedfec5143208d8c7ad3ce3db6c623c21/isort-4.3.21-py2.py3-none-any.whl (42kB)
    |#####| 51kB 3.2MB/s
Collecting lazy-object-proxy==1.4.* (from astroid<2.4,>=2.3.0->pylint)
  Downloading https://files.pythonhosted.org/packages/a0/79/56c3bd646f81ddf3202b42aee3498c4a9e50856923ceb556b4d202247232/lazy_object_proxy-1.4.3-cp38-cp38-win32.whl
Collecting six~1.12 (from astroid<2.4,>=2.3.0->pylint)
  Downloading https://files.pythonhosted.org/packages/65/eb/1f97cb97bfc2390a276969c6fae16075da282f5058082d4cb10c6c5c1dba/six-1.14.0-py2.py3-none-any.whl
Collecting wrapt==1.11.* (from astroid<2.4,>=2.3.0->pylint)
  Downloading https://files.pythonhosted.org/packages/23/84/323c2415280bc4fc880ac5050ddd5b3c8062c2552b34c2e512eb4aa68f79/wrapt-1.11.2.tar.gz
Installing collected packages: mccabe, colorama, lazy-object-proxy, six, wrapt, astroid, isort, pylint
Running setup.py install for wrapt ... done
WARNING: The script isort.exe is installed in 'C:\Users\user\AppData\Roaming\Python\Python38\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
WARNING: The scripts epylint.exe, pylint.exe, pyreverse.exe and symilar.exe are installed in 'C:\Users\user\AppData\Roaming\Python\Python38\Scripts' which is not on PATH.
Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed astroid-2.3.3 colorama-0.4.3 isort-4.3.21 lazy-object-proxy-1.4.3 mccabe-0.6.1 pylint-2.4.4 six-1.14.0 wrapt-1.11.2
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```

Now close VScode and re-lauchn it .

Pre-requisite Python Modules Installation:

4. Now install following python libraries:

Lets try to run code right click in script area and select Run Python File in Terminal

Go to Definition	F12
Peek Definition	Alt+F12
Find All References	Shift+Alt+F12
Peek References	Shift+F12
Rename Symbol	F2
Change All Occurrences	Ctrl+F2
Format Document	Shift+Alt+F
Format Document With...	
Source Action...	
Cut	Ctrl+X
Copy	Ctrl+C
Paste	Ctrl+V
Run Current Test File	
Run Python File in Terminal	
Run Selection/Line in Python Terminal	Shift+Enter
Run Current File in Python Interactive Window	
Sort Imports	
Command Palette...	Ctrl+Shift+P

You will notice in terminal stating we have imported it but not installed library pandas

```
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL 2: Python + - x
> & C:/Users/user/AppData/Local/Programs/Python/Python38-32/python.exe c:/Automation/python/python/healthcheckurlexcel.py
Traceback (most recent call last):
  File "c:/Automation/python/python/healthcheckurlexcel.py", line 1, in <module>
    import pandas as pd
ModuleNotFoundError: No module named 'pandas'
PS C:\Automation\python\python>
```

If you look at code first thing import statements thus we will need to install them one by one .

On terminal type following command

`pip install pandas`

```
PS C:\Automation\python\python> pip install pandas
```

You will see once installed

```
PS C:\Automation\python\python> pip install pandas
Collecting pandas
  Downloading https://files.pythonhosted.org/packages/d9/02/efd55383399646d0bc3bf0078130ae08f2890dd68276e3f4d7a4e94539a4/pandas-1.0.1-cp38-cp38-win32.whl (7.8MB)
    | 7.8MB 6.4MB/s
Collecting numpy>=1.13.3 (from pandas)
  Downloading https://files.pythonhosted.org/packages/0e/c3/be53614c4e3490778050e1df48fd463837297d5dd402dae3b500f2050eba/numpy-1.18.1-cp38-cp38-win32.whl (10.8MB)
    | 10.8MB 3.3MB/s
Collecting python-dateutil>=2.6.1 (from pandas)
  Downloading https://files.pythonhosted.org/packages/d4/70/d60450c3dd48ef87586924207ae8907090de0b306af2bce5d134d78615cb/python_dateutil-2.8.1-py2.py3-none-any.whl (227kB)
    | 235kB ...
Collecting pytz>=2017.2 (from pandas)
  Downloading https://files.pythonhosted.org/packages/e7/f9/f0b53f88060247251bf481fa6ea62cd0d25bf1b11a87888e53ce5b7c8ad2/pytz-2019.3-py2.py3-none-any.whl (509kB)
    | 512kB 6.4MB/s
Requirement already satisfied: six>=1.5 in c:\users\user\appdata\roaming\python\python38\site-packages (from python-dateutil>=2.6.1->pandas) (1.14.0)
Installing collected packages: numpy, python-dateutil, pytz, pandas
Successfully installed numpy-1.18.1 pandas-1.0.1 python-dateutil-2.8.1 pytz-2019.3
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```

Now we will install request library/module

`pip install request`

```
PS C:\Automation\python\python> pip install requests
```

You will see once installed

```
PS C:\Automation\python\python> pip install requests
Collecting requests
  Downloading https://files.pythonhosted.org/packages/1a/70/1935c770cb3be6e3a8b78ced23d7e0f3b187f5cbfab4749523ed65d7c9b1/requests-2.23.0-py2.py3-none-any.whl (58kB)
    | 61kB 1.3MB/s
Collecting certifi>=2017.4.17 (from requests)
  Downloading https://files.pythonhosted.org/packages/b9/63/df50cac98ea0d5b006c55a399c3bfb1db9da7b5a24de7890bc9cf5dd9e99/certifi-2019.11.28-py2.py3-none-any.whl (156kB)
    | 163kB 3.2MB/s
Collecting urllib3!>=1.25.0,!<1.25.1,<1.26,>=1.21.1 (from requests)
  Downloading https://files.pythonhosted.org/packages/e8/74/6e4f91745020f967d09332bb2b8b9b10090957334692eb88ea4afe91b77f/urllib3-1.25.8-py2.py3-none-any.whl (125kB)
    | 133kB ...
Collecting idna<3,>=2.5 (from requests)
  Downloading https://files.pythonhosted.org/packages/89/e3/afebe61c546d18fb1709a61bee788254b40e736cff7271c7de5de2dc4128/idna-2.9-py2.py3-none-any.whl (58kB)
    | 61kB 4.1MB/s
Collecting chardet<4,>=3.0.2 (from requests)
  Downloading https://files.pythonhosted.org/packages/bc/a9/01ffebfb562e4274b6487b4bb1dddec7ca55ec7510b22e4c51f14098443b8/chardet-3.0.4-py2.py3-none-any.whl (133kB)
    | 143kB 3.2MB/s
Installing collected packages: certifi, urllib3, idna, chardet, requests
Successfully installed certifi-2019.11.28 chardet-3.0.4 idna-2.9 requests-2.23.0 urllib3-1.25.8
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```


Now we will install xlswriter

pip install xlswriter

```
PS C:\Automation\python\python> pip install xlswriter
```

You will see once installed

```
PS C:\Automation\python\python> pip install xlswriter
Collecting xlswriter
  Downloading https://files.pythonhosted.org/packages/00/1f/2092a81056d36c1b6651a645aa84c1f76bcee03103072d4fe1cb58501d69/Xlswriter-1.2.8-py2.py3-none-any.whl (141kB)
    | 143kB 1.6MB/s
Installing collected packages: xlswriter
Successfully installed xlswriter-1.2.8
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```

Now we will install xlrd module

pip install xlrd

```
PS C:\Automation\python\python> pip install xlrd
```

You will see once installed

```
PS C:\Automation\python\python> pip install xlrd
Collecting xlrd
  Downloading https://files.pythonhosted.org/packages/b0/16/63576a1a001752e34bf8ea62e367997530dc553b689356b9879339cf45a4/xlrd-1.2.0-py2.py3-none-any.whl (103kB)
    | 112kB 2.2MB/s
Installing collected packages: xlrd
Successfully installed xlrd-1.2.0
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```

Now we will install openpyxl module

pip install openpyxl

```
PS C:\Automation\python\python> pip install openpyxl
```

You will see once installed

```
PS C:\Automation\python\python> pip install openpyxl
Collecting openpyxl
  Downloading https://files.pythonhosted.org/packages/95/8c/83563c60489954e5b80f9e2596b93a68e1ac4e4a730deb1aae632066d704/openpyxl-3.0.3.tar.gz (172kB)
    |#####| 174kB 1.6MB/s
Collecting jdcal (from openpyxl)
  Downloading https://files.pythonhosted.org/packages/f0/da/572cbc0bc582390480bbd7c4e93d14dc46079778ed915b505dc494b37c57/jdcal-1.4.1-py2.py3-none-any.whl
Collecting et_xmlfile (from openpyxl)
  Downloading https://files.pythonhosted.org/packages/22/28/a99c42aea746e18382ad9fb36f64c1c1f04216f41797f2f0fa567da11388/et_xmlfile-1.0.1.tar.gz
Installing collected packages: jdcal, et-xmlfile, openpyxl
  Running setup.py install for et-xmlfile ... done
  Running setup.py install for openpyxl ... done
Successfully installed et-xmlfile-1.0.1 jdcal-1.4.1 openpyxl-3.0.3
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
PS C:\Automation\python\python>
```

Code Walkthrough:

Now lets examine the code

```
import pandas as pd
import requests as req
import xlswriter
import xlrd
import openpyxl
```

When I started learning how using python we can read and write in excel I came across various python libraries for example panadas and openpyxl etc. In this code we will focus on python library openpyxl and requests.

Openpyxl: is a Python library to read/write Excel 2010 xlsx/xlsm/xltx/xltm files.

Requests: The requests library is the de facto standard for making HTTP requests in Python. It abstracts the complexities of making requests behind a beautiful, simple API so that you can focus on interacting with services and consuming data in your application.

Let's move into code

```
wb = openpyxl.load_workbook('urlsexcel.xlsx')
sheet1 = wb.get_sheet_by_name('staging')
sheet2 = wb.get_sheet_by_name('apis')
```

Now in first line we are opening the excel sheet saves in xlsx format as workbook using load_workbook method of openpyxl library. Our excel has 2 sheets staging which holds web urls and apis which holds rest apis.

You can see using get_sheet_by_name method I am accessing the staging sheet and saving it in sheet1 and so is case with apis sheet saved in sheet2.

Let go further into code

```
for ind in range(2,sheet1.max_row+1):
    resp = req.get(sheet1.cell(row=ind,column=1).value)
    print(resp.status_code)
    print(resp.raise_for_status)
    print(resp.headers)
    print(resp.json)
    sheet1.cell(row=ind,column=2).value= resp.status_code

wb.save('urlsexcel.xlsx')
```

Using for loop and setting range where we want to start from and where to end, in range you can see we are starting from 2 means 2nd row as you can see from staging sheet below

	A	B	C
1	URL	StatusCode	
2	https://ruckify.com/ottawa/	200	
3	https://ruckify.com/en/how-to-post/	200	
4	https://ruckify.com/en/how-to-pot/	404	
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			

Now we have to let for loop know where to end thus using max_row will return number of rows which in this case is 4 but range is exclusive for example if we have range (2,4) it will iterate through row 2 and 3 not 4 as it exclude thus we add +1 and range becomes (2,5). Here is syntax of range

range (start, stop[, step) . Start are Step are optional arguments. In our example step is not specified by default its 1 means increment by 1.

Now in next line we have

```
resp = req.get(sheet1.cell(row=ind,column=1).value)
```

If the module name is followed by 'as' then the name following as is bound directly to imported module, in our case its req is bounded to requests its just like using requests directly for example we didn't bound openpyxl thus we used openpyxl.load_workbook .

Thus, we used req.get method to send https request to URL, now in order to access the first URL in sheet we have set

row=ind=2(start in range) and column =1

	A
1	URL
2	https://ruckify.com/ottawa/

Using cell method we can get value of cell (2,1) basically it will return <https://ruckify.com/ottawa/>

Thus once request is sent to the URL it return entire response and saved in resp variable.

In following lines you can see printed various things from response,

This will output status code

```
print(resp.status_code)
```

then this will output

```
print(resp.raise_for_status())
```

raises stored HTTPError, if one occurred.

For example :

```
import requests
url = "http://mock.kite.com/status/404"
r = requests.get(url)
try:
    r.raise_for_status()
except requests.exceptions.HTTPError as e:
    print e
```

Output:

404 Client Error: NOT FOUND

Next this will output headers

```
print(resp.headers)
```

Next line is where we save the response status code into excel sheet.

```
sheet1.cell(row=ind,column=2).value= resp.status_code
```

Now we need to save the response in 2nd row and 2nd column

	A	B
1	URL	StatusCode
2	https://ruckify.com/ottawa/	200

Thus the for loop will continue for rest of the URL's in the sheet. Once done we will save the workbook

```
wb.save('urlsexcel.xlsx')
```

Excel Cell Formatting:

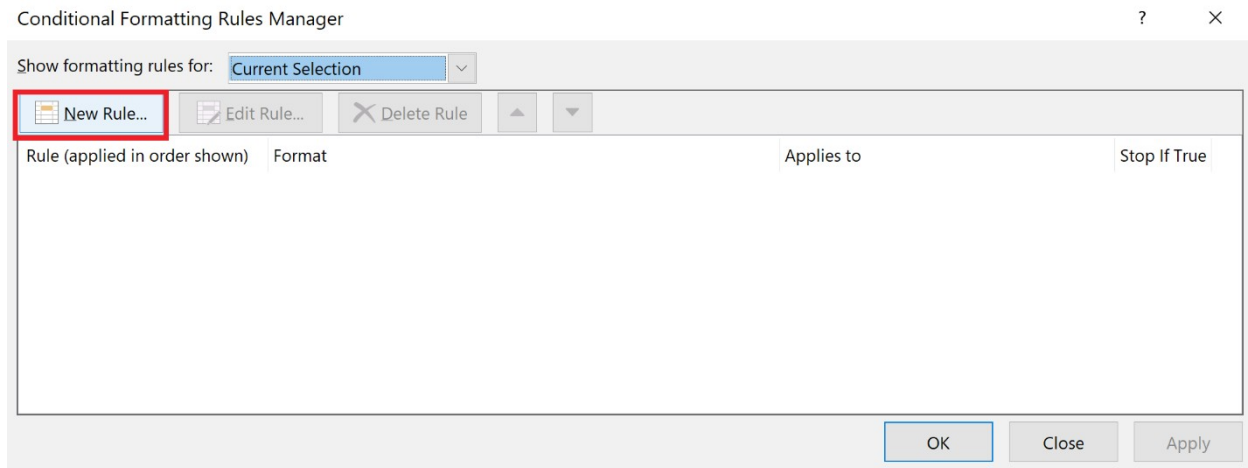
Select the column B where StatusCode is and select Conditional Formatting and Click on Manage Rules

The screenshot shows the Excel interface with the following details:

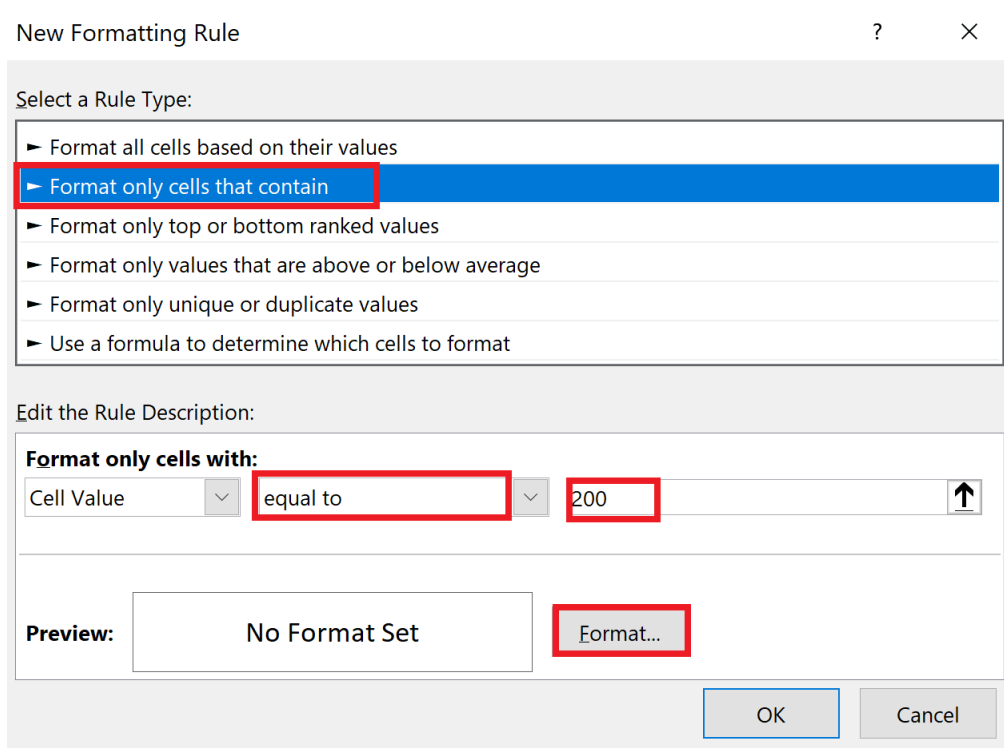
- Red Box 1:** Highlights column B, which is labeled 'StatusCode'.
- Orange Box 2:** Highlights the 'Conditional Formatting' button in the 'Home' tab ribbon.
- Yellow Box 3:** Highlights the 'Manage Rules...' option in the 'Conditional Formatting' dropdown menu.
- Spreadsheet Data:**

	A	B
1	URL	StatusCode
2	https://ruckify.com/ottawa/	200
3	https://ruckify.com/en/how-to-post/	200
4	https://ruckify.com/en/how-to-pot/	404

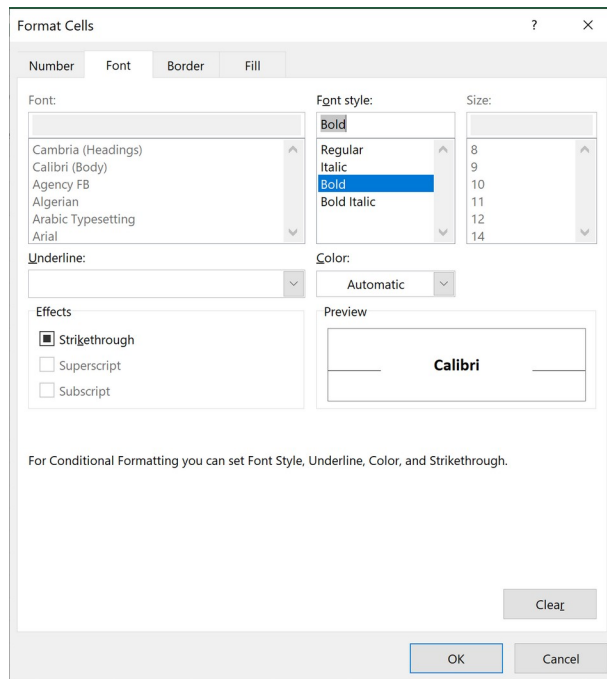
It will launch new pop-up. Click on New Rule



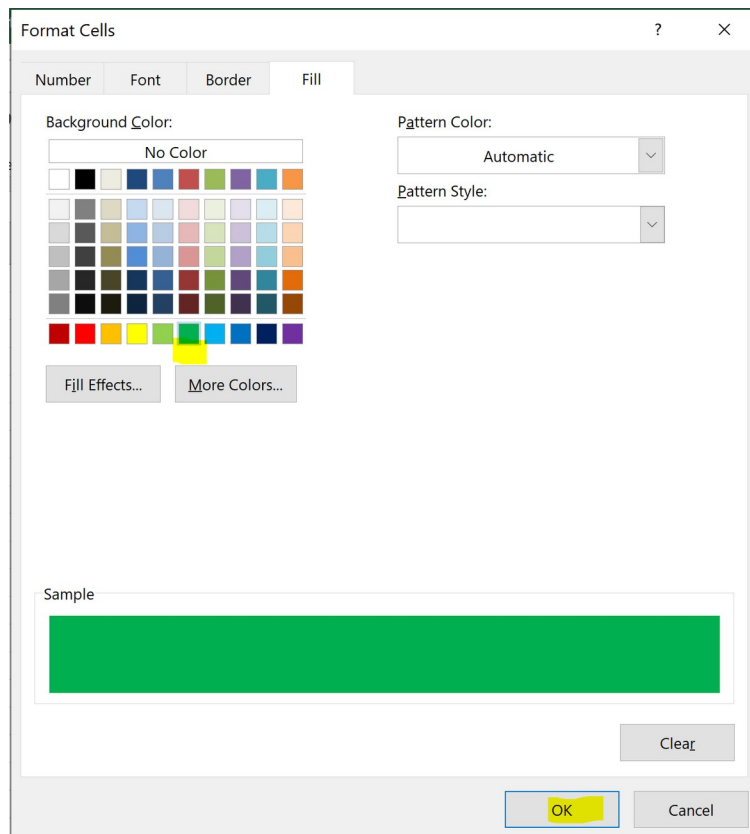
Now select “Format only cells that contain” option. Then from drop down menu select equal to and set 200 in field . Then click on Format button



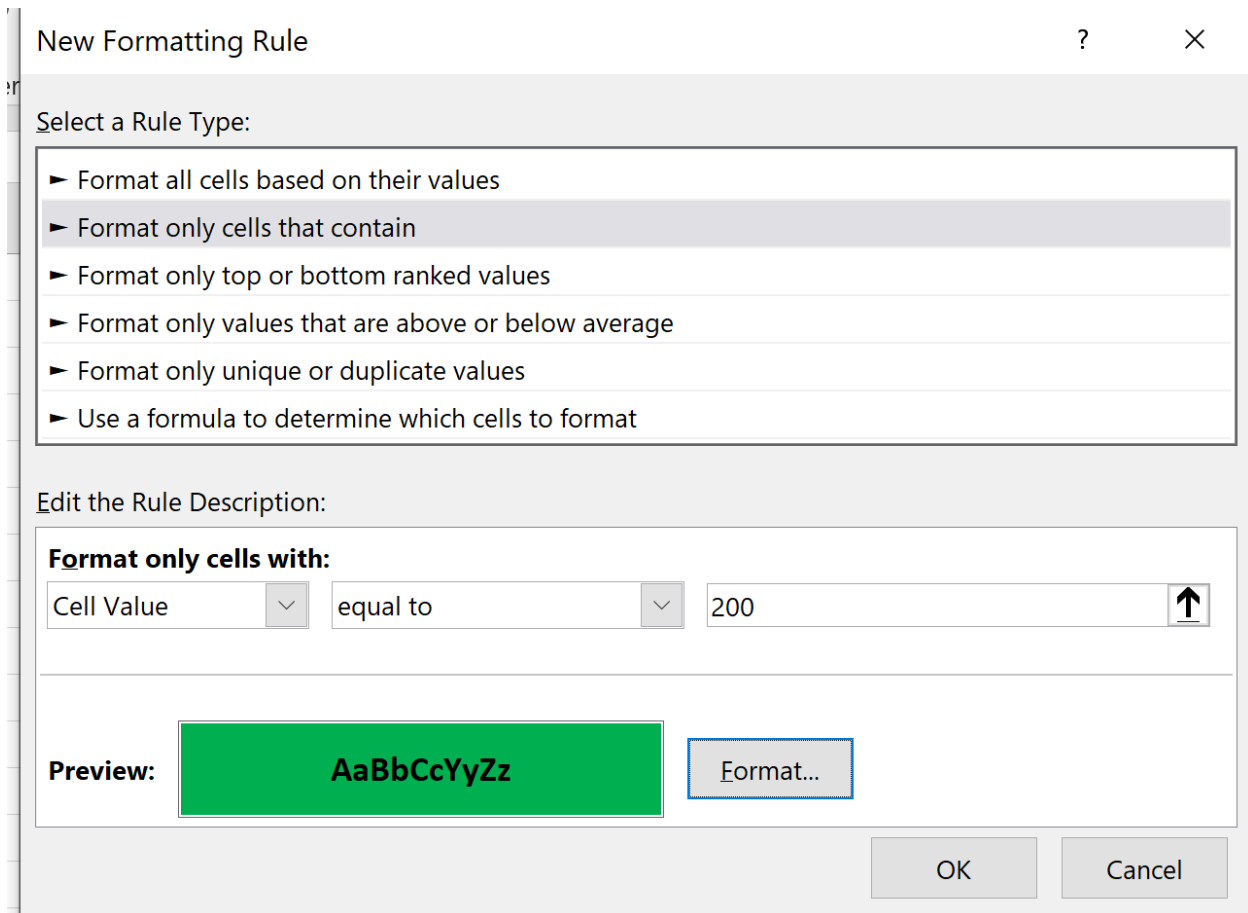
In Format Cell window under Font tab I setted it to be Bold . Then Click on Fill tab



In Fill tab select Green color and click ok



You will be back to New Formatting Rule. The rule with set is any cell in column B (StausCode) if equals to 200 , bold the font and fill the cell by Green color.



The 'New Formatting Rule' dialog box is shown. It has a title bar with a question mark and a close button. The 'Select a Rule Type:' section lists six options, with 'Format only cells that contain' selected. The 'Edit the Rule Description:' section shows 'Format only cells with:' followed by a dropdown menu set to 'Cell Value', a comparison operator dropdown set to 'equal to', and a text box containing '200'. To the right of the text box is an up arrow icon. Below this is a 'Preview:' section showing a green box with the text 'AaBbCcYyZz' in bold. To the right of the preview is a 'Format...' button. At the bottom are 'OK' and 'Cancel' buttons.

New Formatting Rule

Select a Rule Type:

- Format all cells based on their values
- Format only cells that contain
- Format only top or bottom ranked values
- Format only values that are above or below average
- Format only unique or duplicate values
- Use a formula to determine which cells to format

Edit the Rule Description:

Format only cells with:

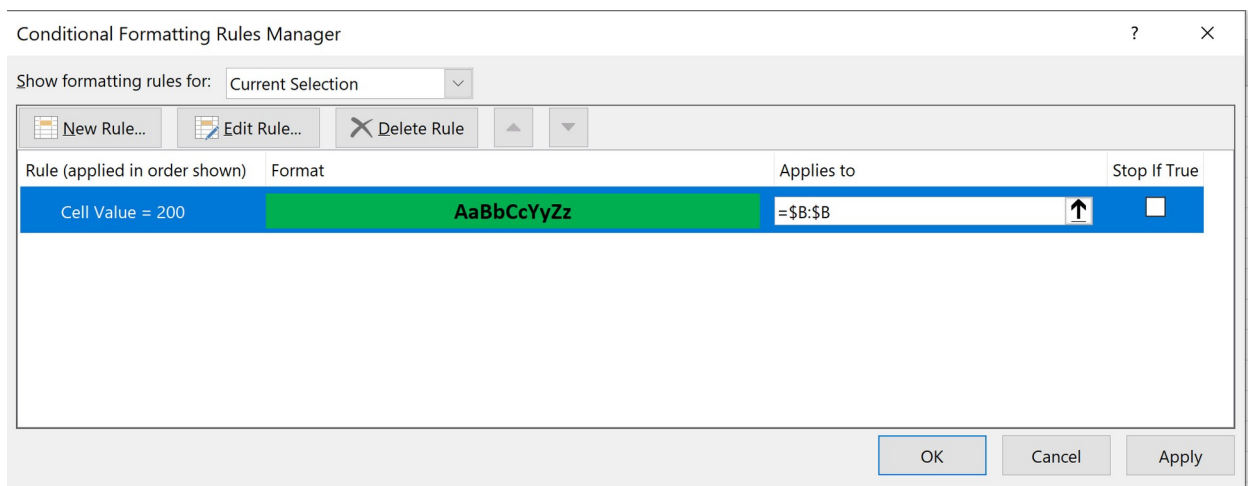
Cell Value equal to 200

Preview: AaBbCcYyZz

Format...

OK Cancel

Click Ok and you weill see the full rule set



The 'Conditional Formatting Rules Manager' dialog box is shown. It has a title bar with a question mark and a close button. The 'Show formatting rules for:' dropdown is set to 'Current Selection'. Below this are buttons for 'New Rule...', 'Edit Rule...', and 'Delete Rule', along with up and down arrow buttons. The main area is a table with columns: 'Rule (applied in order shown)', 'Format', 'Applies to', and 'Stop If True'. There is one rule listed: 'Cell Value = 200' with a green background and bold text 'AaBbCcYyZz'. The 'Applies to' column shows '=\$B:\$B' with an up arrow icon. The 'Stop If True' column has a checkbox. At the bottom are 'OK', 'Cancel', and 'Apply' buttons.

Conditional Formatting Rules Manager

Show formatting rules for: Current Selection

New Rule... Edit Rule... Delete Rule

Rule (applied in order shown)	Format	Applies to	Stop If True
Cell Value = 200	AaBbCcYyZz	=\$B:\$B	<input type="checkbox"/>

OK Cancel Apply

Similarliy set rule for 4xx error instead of equal I have set it to greater than or equal and value as 400. Formatted bold for for font and fill the cell with red color.

Conditional Formatting Rules Manager

Show formatting rules for: Current Selection

New Rule... Edit Rule... Delete Rule

Rule (applied in order shown)	Format	Applies to	Stop If True
Cell Value >= 400	AaBbCcYyZz	=B:\$B	<input type="checkbox"/>
Cell Value = 200	AaBbCcYyZz	=B:\$B	<input type="checkbox"/>

OK Cancel Apply

Now click Apply

Now Save and Close the excel sheet and run the code again.

	A	B	C
1	URL	StatusCode	
2	https://ruckify.com/ottawa/	200	
3	https://ruckify.com/en/how-to-post/	200	
4	https://ruckify.com/en/how-to-pot/	404	
5			