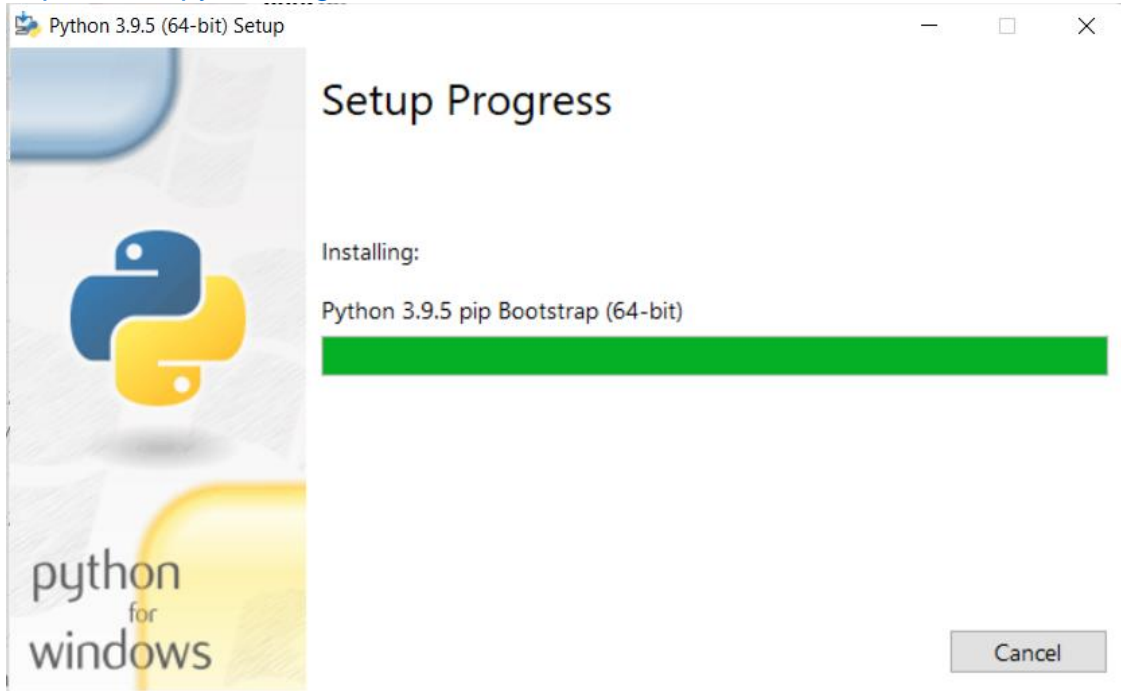


I am going to tell you how you can automate the vaccine slots availability and get notified when a slot is available. We will see the implementation in python.

For your ease, you can use the code and it's available at my GitHub repository. Spread this as much as possible so that everyone can get notified about the availability of slots and we all can get vaccinated.

1. Download python

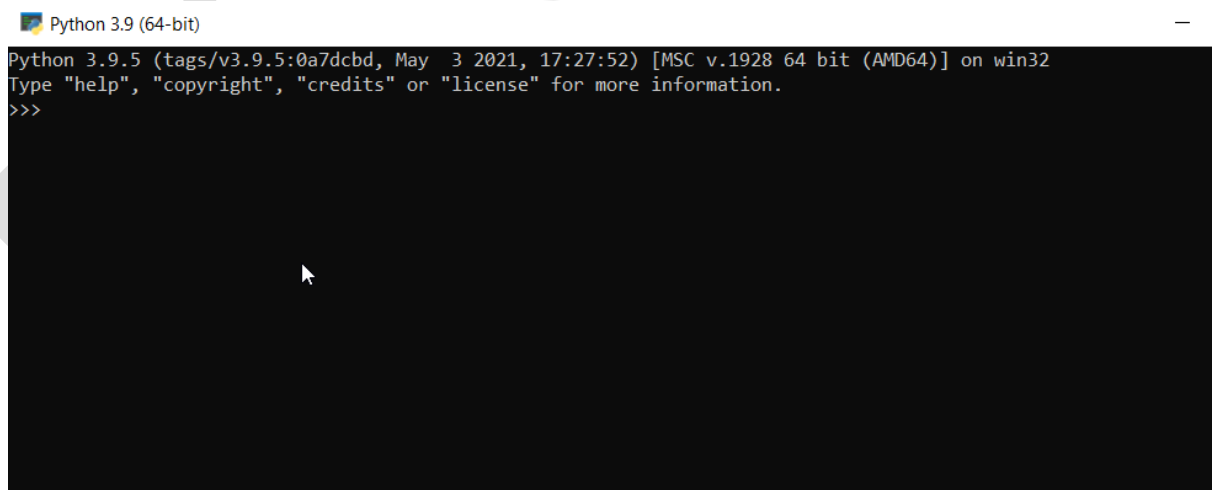
<https://www.python.org/downloads/>



2. Run the Python Installer once downloaded. (In this example, we have downloaded Python 3.7.3.)
3. Make sure you select the Install launcher for all users and Add Python 3.7 to PATH checkboxes. The latter places the interpreter in the execution path.



4. Navigate to the directory in which Python was installed on the system. In our case, it is C:\Users\Username\AppData\Local\Programs\Python\Python37 since we have installed the latest version.
5. Double-click python.exe.



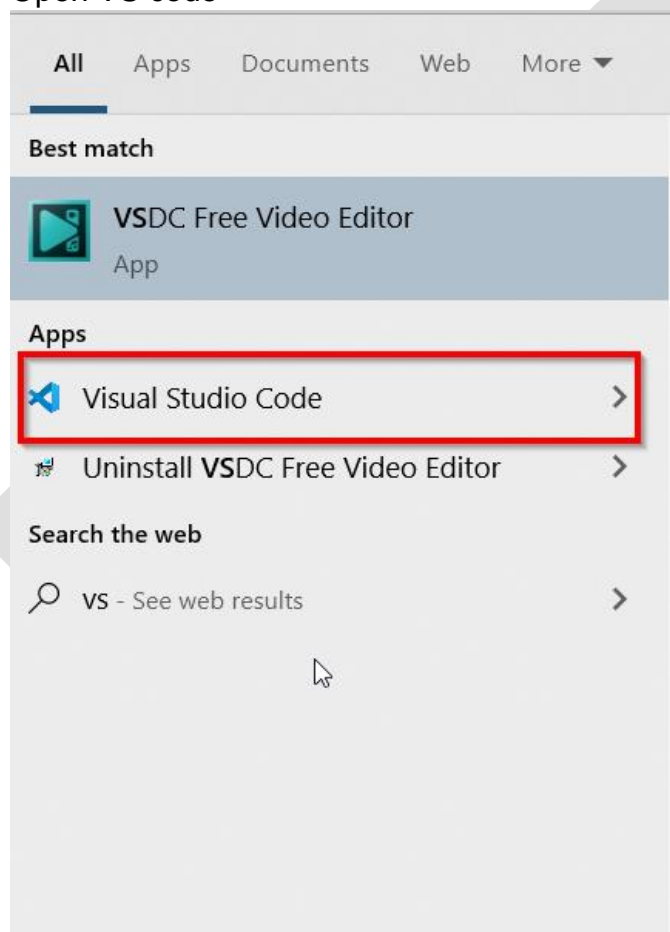
6. Open CMD

Enter command:

pip install requests

```
C:\Users\B.S.GAUR>pip install requests
Collecting requests
  Downloading requests-2.25.1-py2.py3-none-any.whl (61 kB)
    |#####| 61 kB 1.3 MB/s
Collecting chardet<5,>=3.0.2
  Downloading chardet-4.0.0-py2.py3-none-any.whl (178 kB)
    |#####| 178 kB 3.2 MB/s
Collecting certifi>=2017.4.17
  Downloading certifi-2020.12.5-py2.py3-none-any.whl (147 kB)
    |#####| 147 kB 6.4 MB/s
Collecting idna<3,>=2.5
  Downloading idna-2.10-py2.py3-none-any.whl (58 kB)
    |#####| 58 kB 2.9 MB/s
Collecting urllib3<1.27,>=1.21.1
  Downloading urllib3-1.26.4-py2.py3-none-any.whl (153 kB)
    |#####| 153 kB 6.4 MB/s
Installing collected packages: urllib3, idna, chardet, certifi, requests
Successfully installed certifi-2020.12.5 chardet-4.0.0 idna-2.10 requests-2.25.1 urllib3-1.26.4
```

7. Open VS code



8. Create a file name covid.py

Copy past the script using below link

https://github.com/bhanvendrasingh/Covid_Notifier

9. Now, let's set some basic parameters,

age = 52

pinCodes = ["462003"]

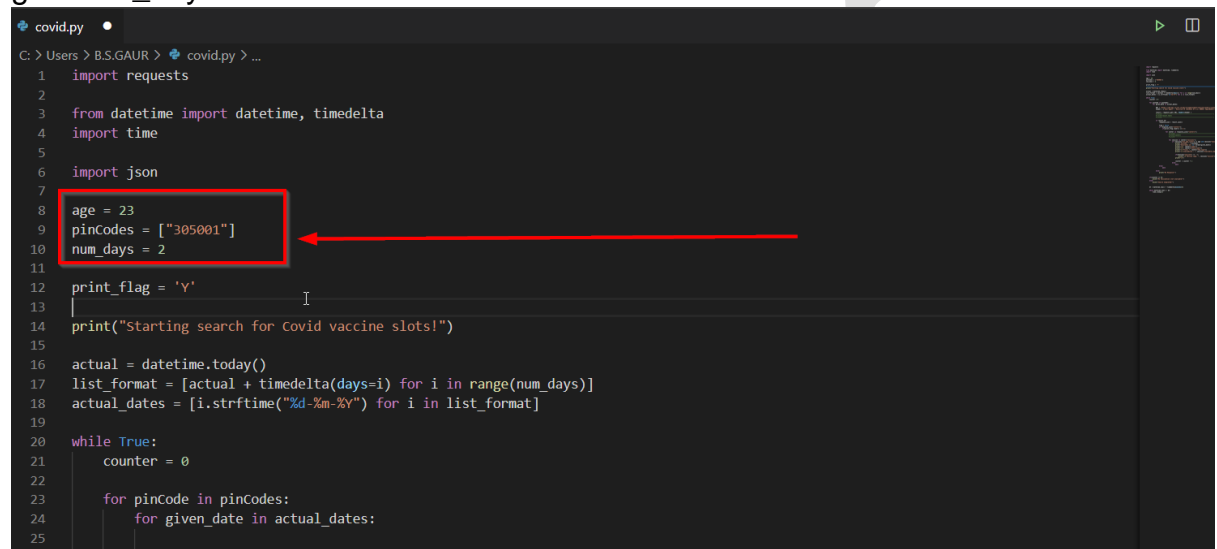
print_flag = 'Y'

num_days = 2

The Slots are available in two categories, **Age 45+ and Age 18+**. Let's proceed with Age 45+ for now, you can set it according to your need.

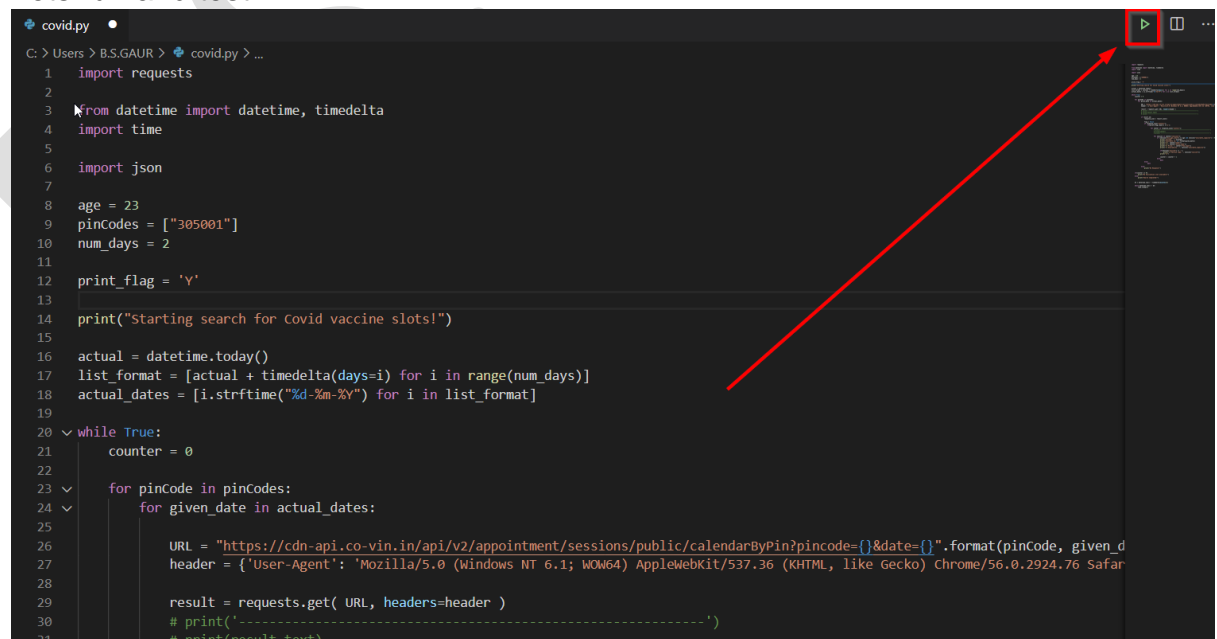
You can perform the search based on Pincode or District. Since we are looking for the slots available nearby, I am making use of Pin-code. You can also pass multiple pin-codes, separated by commas in the list.

We only want to check for slots availability for the next two days for let's givenum_days as 2 here.



```
covid.py
C: > Users > B.S.GAUR > covid.py > ...
1 import requests
2
3 from datetime import datetime, timedelta
4 import time
5
6 import json
7
8 age = 23
9 pinCodes = ["305001"]
10 num_days = 2
11
12 print_flag = 'Y'
13
14 print("Starting search for Covid vaccine slots!")
15
16 actual = datetime.today()
17 list_format = [actual + timedelta(days=i) for i in range(num_days)]
18 actual_dates = [i.strftime("%d-%m-%Y") for i in list_format]
19
20 while True:
21     counter = 0
22
23     for pinCode in pinCodes:
24         for given_date in actual_dates:
25
```

10. Lets run and test



```
26     URL = "https://cdn-api.co-vin.in/api/v2/appointment/sessions/public/calendarByPin?pincode={}&date={}".format(pinCode, given_date)
27     header = {'User-Agent': 'Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/56.0.2924.76 Safari/537.36'}
28
29     result = requests.get(URL, headers=header)
30     # print('-----')
31     # print(result.text)
```