Tutorial to Deploy your CoWIN-Notifier

This manual will guide you step by step to enable SMS notification for vaccine availability. (This is for Windows users, if you have a Mac then please try these steps analogously and contact me if you face any issues)

Step 1: Install Python

The app requires python you can install the anaconda distribution since it is the easiest to use.

Follow the link: [Anaconda | Individual Edition]

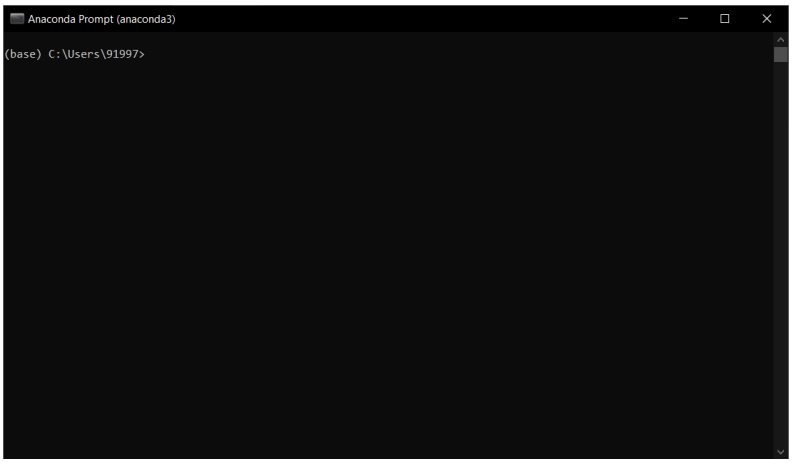
Download the one suitable for your OS.

Install Anaconda with default settings.

After you have installed the Anaconda distribution. Open it

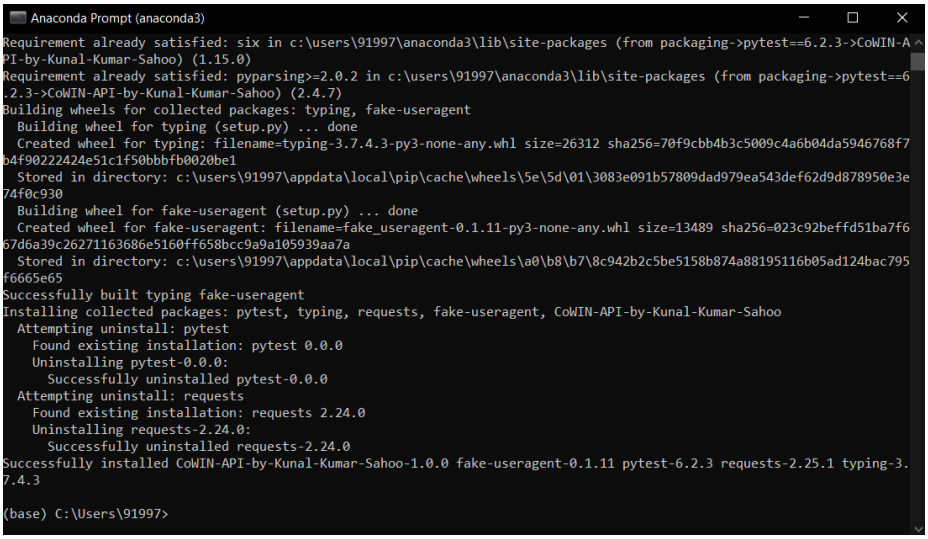
Step 2: Downloading and Installing Libraries

Go to Start and search for ‘Anaconda Prompt’ and open it. You should have something like this:



In the Command Prompt type this command and press enter

pip install CoWIN-API-by-Kunal-Kumar-Sahoo



This is what you get after running it.

Next run the following command in the same way

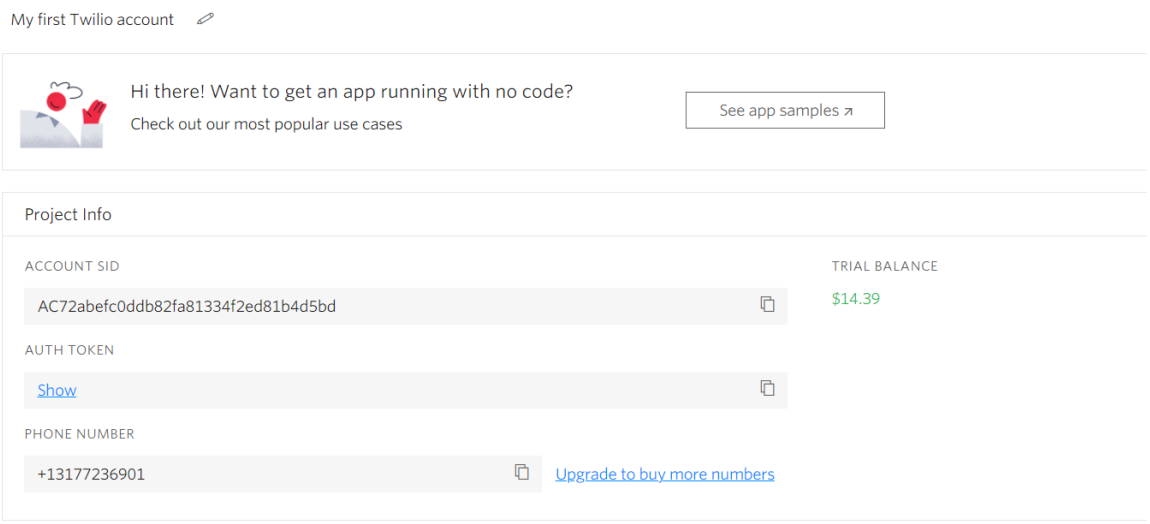
pip install twilio

After you have completed this, you need to create a free trial Twilio account. Twilio lets you send SMS through internet. The free account will be able to send SMS to ONE NUMBER ONLY.

Step 3: Creating Twilio Account

Go to: [Twilio - Communication APIs for SMS, Voice, Video and Authentication]

Sign up and create an account. Once you have created an account you should have something like this:



Your SID and Authorization token will be required in the Python script.

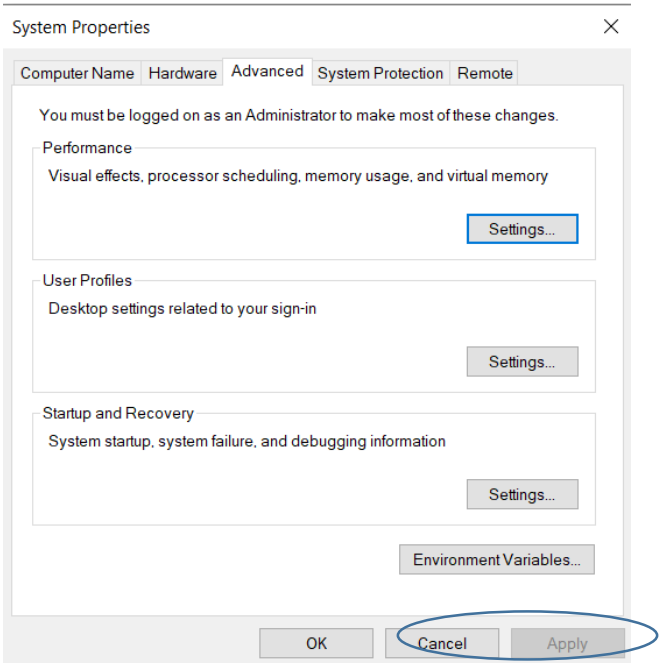
Phone number may not be present in the first instance when you create the account, just scroll down and there'll be an option to create a Twilio phone number.

Step 4: Adding Path Variables

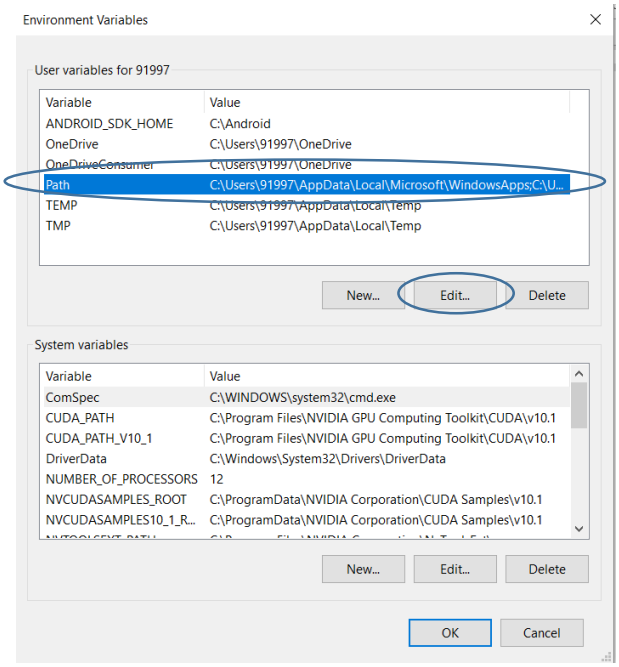
This is the final technical step.

Go to Start -> Search for 'Edit the System Environment Variables'

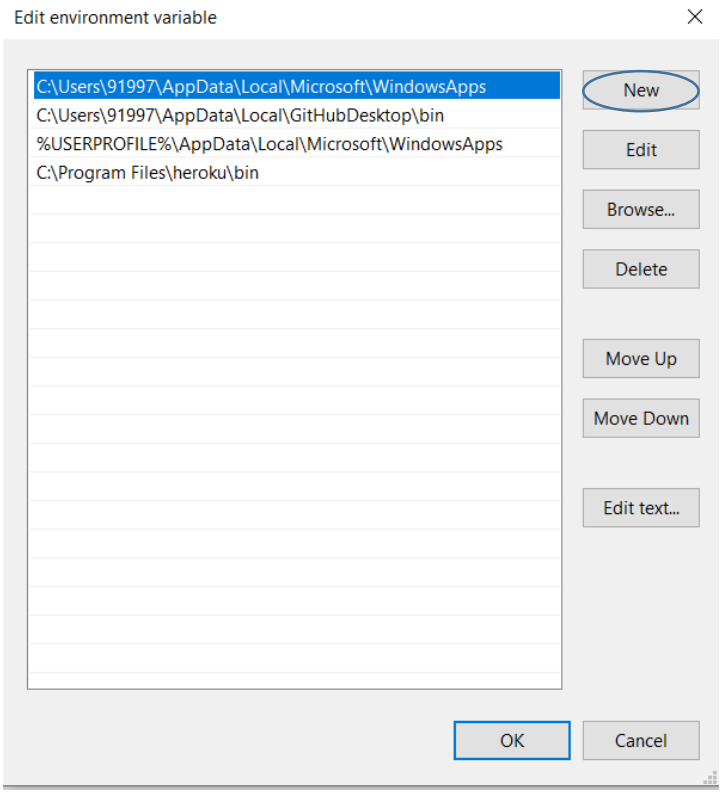
Or follow this [Editing System Environment Variables | imatest] to reach till this window:



Click on the 'Environment Variables' in the above window.



Click the ‘Path’ Variable in the Environment variables and Click ‘Edit’ to reach here:



Click on ‘New’ and you should be able to able to edit the variables.

You need to add three variables so you will have to follow the following instructions thrice.

1) Find the users folder it would be as follows in windows:

   e.g. C:\Users\91997

   i.e. in the C drive -> users -> ‘your user name’ folder.

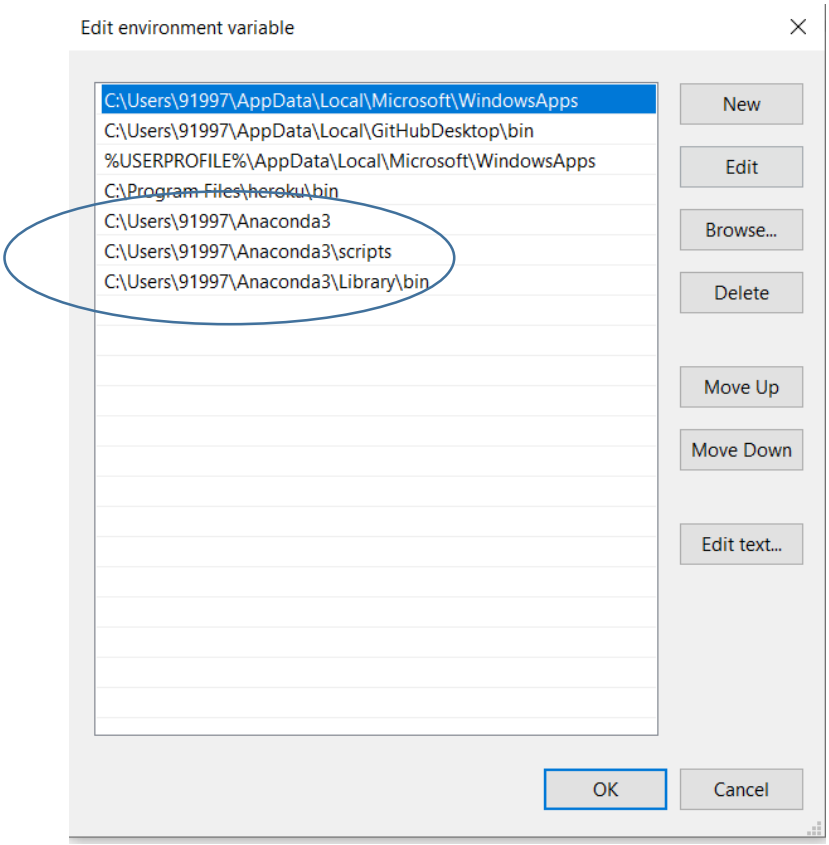
2) Add the following paths to the environment:

   <Your users folder path>\Anaconda3

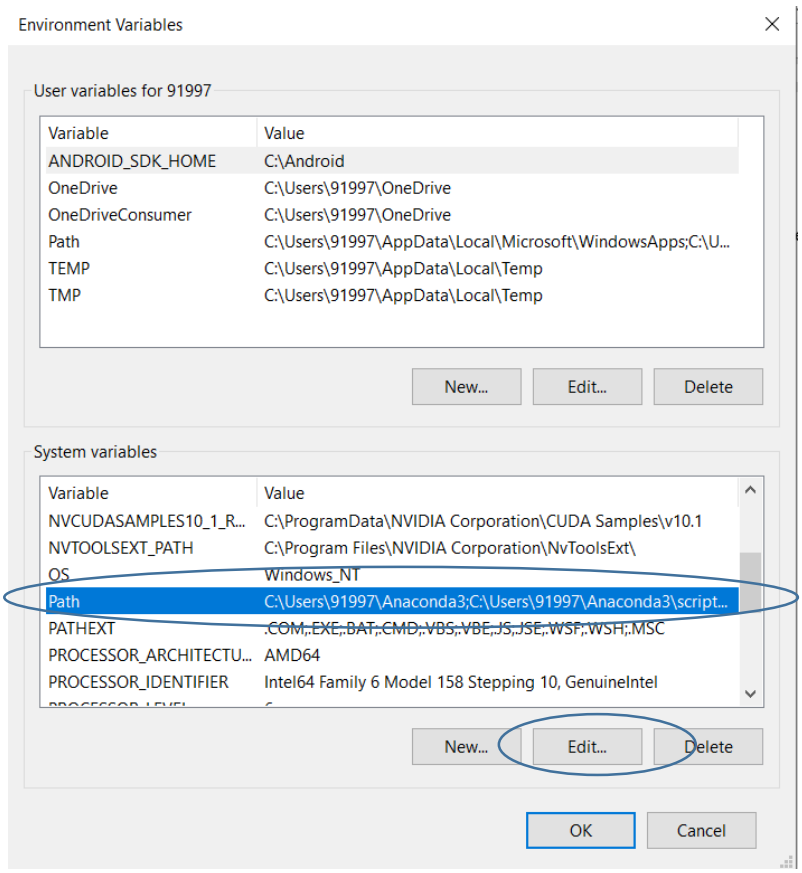
   <Your users folder path>\Anaconda3\scripts

   <Your users folder path>\Anaconda3\Library\bin

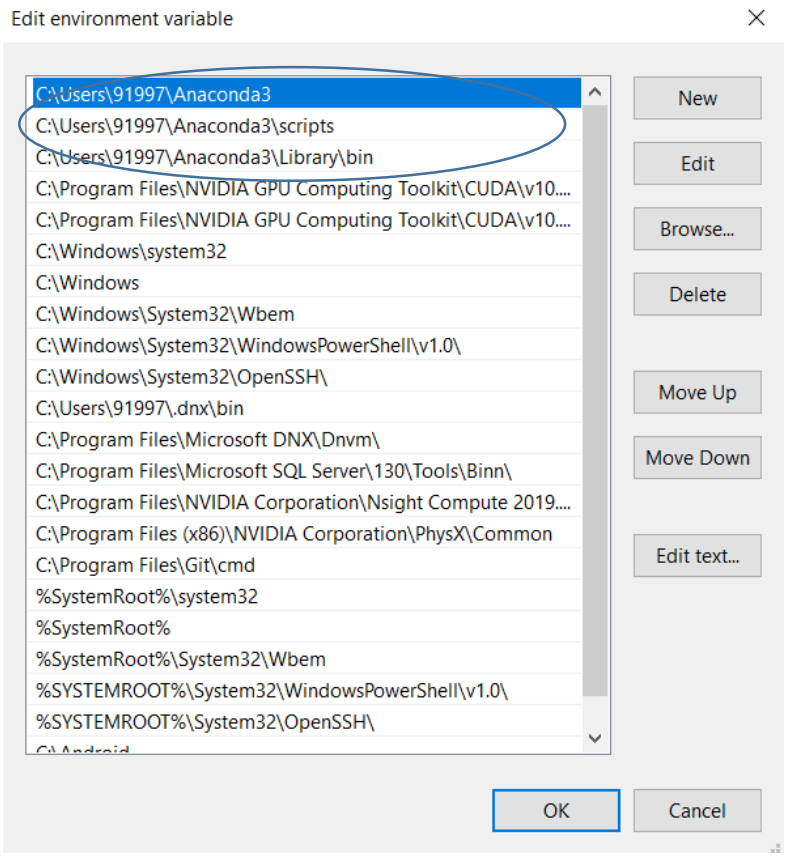
In the end you will have something like this:



Once done with this, repeat this entire process with System Variables in the 'Environment variables' window ie:



Add the same 3 variables here again and the end result should look like this:



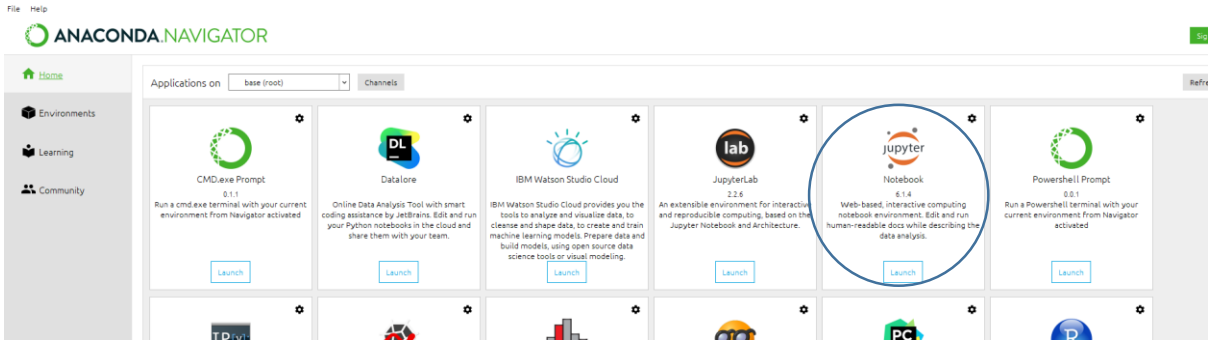
Step 4: Running the App (Finally)

Okay Mr/Miss Computer Programmer, now we should be all set to run the app.

Go to Start -> Search Jupyter Notebook and click on it

Or

Go to Start -> Anaconda Navigator -> Launch Jupyter



It should open up in your web browser i.e. chrome/ edge/ firefox etc.

Create a new Python 3 notebook in the folder of your choice.

Go to [CoWIN-Notifier/Vaccine-Notifier-Template.py at main · devpreet13/CoWIN-Notifier (github.com)]

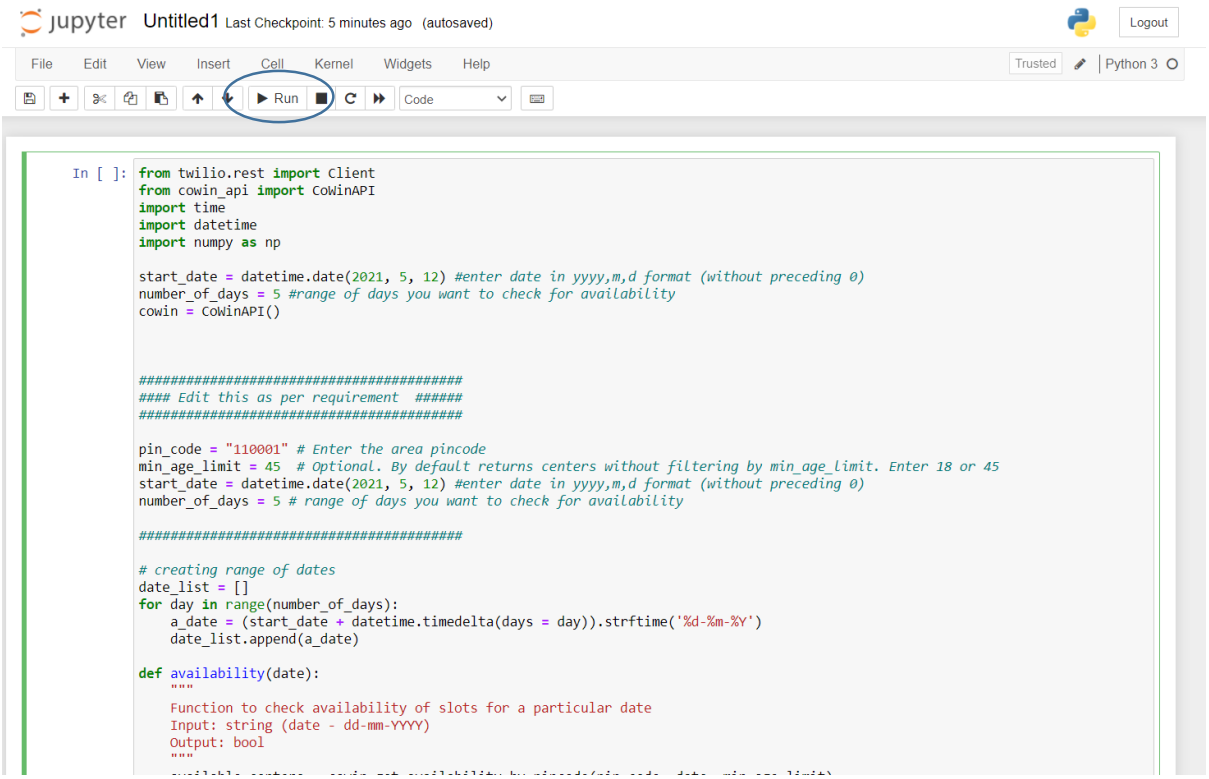
Copy the code from here to the Jupyter notebook you just created.

The default setting is for Delhi with age 45+, you can confirm with CoWIN portal that slots are available. You can edit the script as per your requirement and hit run.

Don't forget to add your Twilio details in this part of the code:

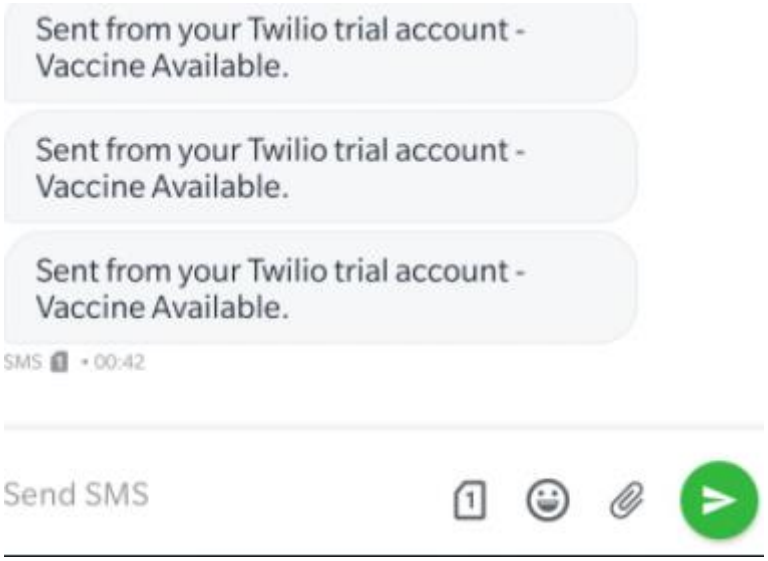
```
print('Slot Available')
i = 0
while i<10: # you will receive 10 messages if any slots are available
    account_sid = 'Enter Twilio SID'
    auth_token = 'Enter Twilio Authorisation Token'
    client = Client(account_sid, auth_token)

    ##########################################
    #### enter details from twilio here #####
    ##########################################

    message = client.messages \
                    .create(
                        body="Vaccine Slot Available.",
                        from_='+123', # Enter Twilio Phone Number
                        to='+123' # Enter Your Phone Number
                    )
    i += 1
```

All these details will be available in your Twilio account page. Refer step number 3.

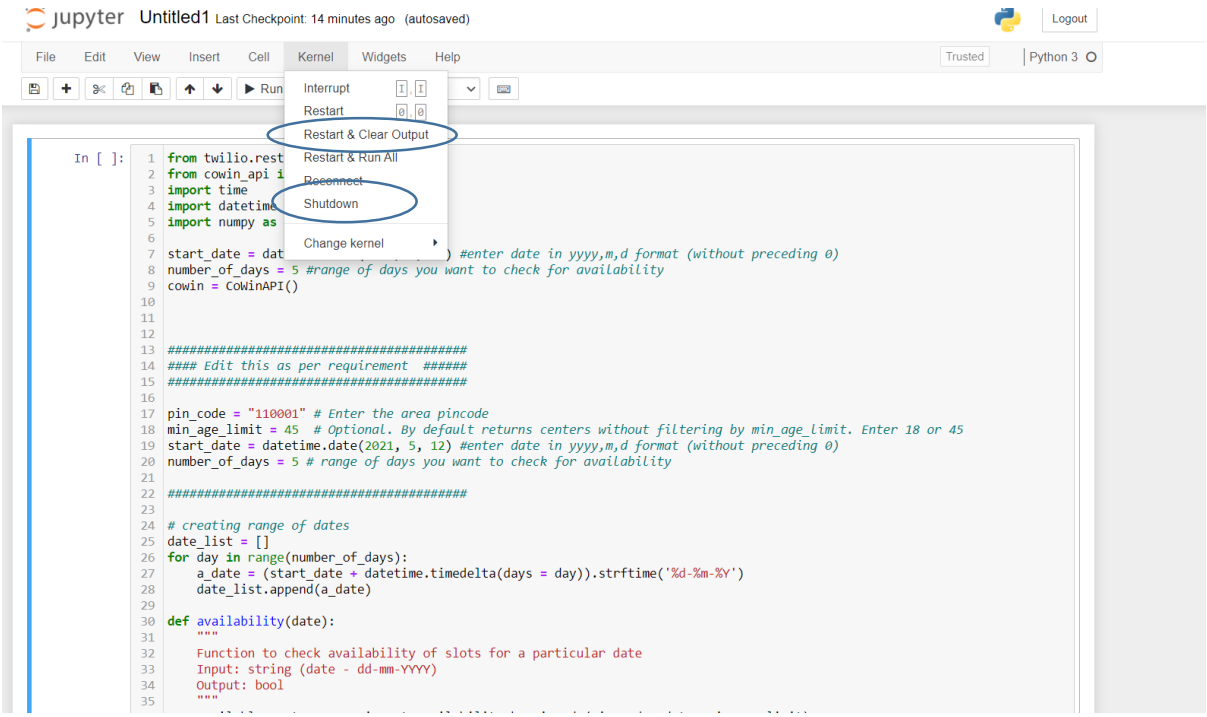


The code will run every 60 seconds if slots are unavailable. You will need a proper internet connection. This process will keep running in the background and you can carry on with your life. In case slots are available you will receive a notification like this on your cell phone.

Try running it for an area where spots are available like Delhi, just to confirm if it is working.



Every time you change parameters like pincode, date etc on the script, stop it, shut it down and restart it from the top.



Please contact me on Instagram/Gmail (dpnd13@gmail.com) if there are any issues.