DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID21245
Project Name	INDUSTRY-SPECIFIC INTELLIGENT
	FIRE MANAGEMENT SYSTEM

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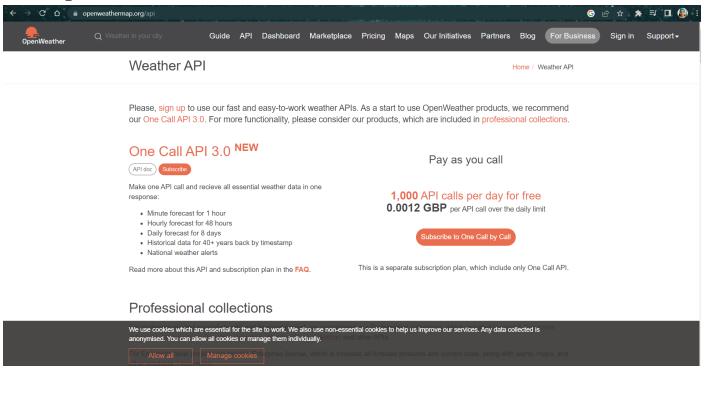
<u>DEVELOPING PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE UNDER A</u> <u>TOPIC</u>

Step – 1:

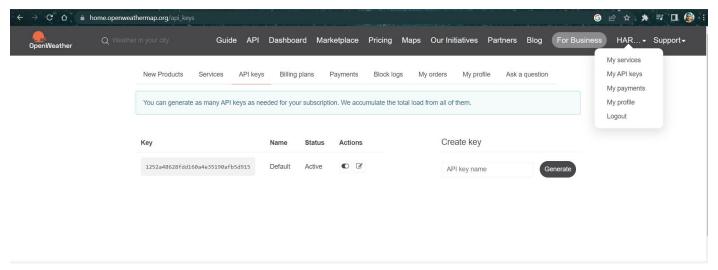
Pip install requests

Step -2:

Creating account in Weather API



Step – 3: Getting the API key for our account



Step – 4:

PYTHON SCRIPT – TO GET WEATHER INFORMATION ABOUT CHENNAI CITY

import requests

a = "https://api.openweathermap.org/data/2.5/weather?q = Chennai, IN&appid = 1252a48628fdd160a4e35190afb5d915"

r = requests.get(url = a)

data = r.json()

print(r)

print(data)

OUTPUT REGARDING CHENNAI CITY'S WEATHER INFORMATION:

PYTHON SCRIPT TO SEND DATA UNDER A TOPIC:

```
Step - 1
pip install paho_mqtt
step-2:
PYTHON SCRIPT:
import time
import random
def on publish(client,usrdata,mid):
  print("published")
client = paho.Client()
client.on_publish = on_publish
client.connect('broker.mqttdashboard.com',1883)
client.loop_start()
while True:
  temp = random.randint(1,10)
  (rc,mid) = client.publish("harsini",str(temp),qos = 1)
  print(temp)
  time.sleep(10)
```

Step-3:

