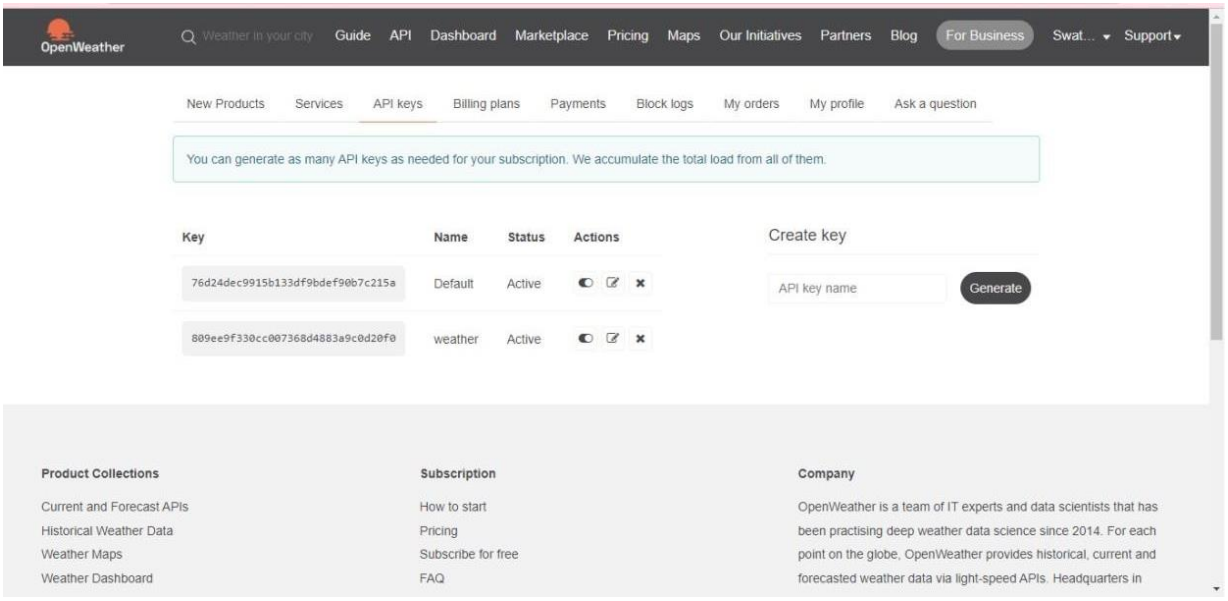
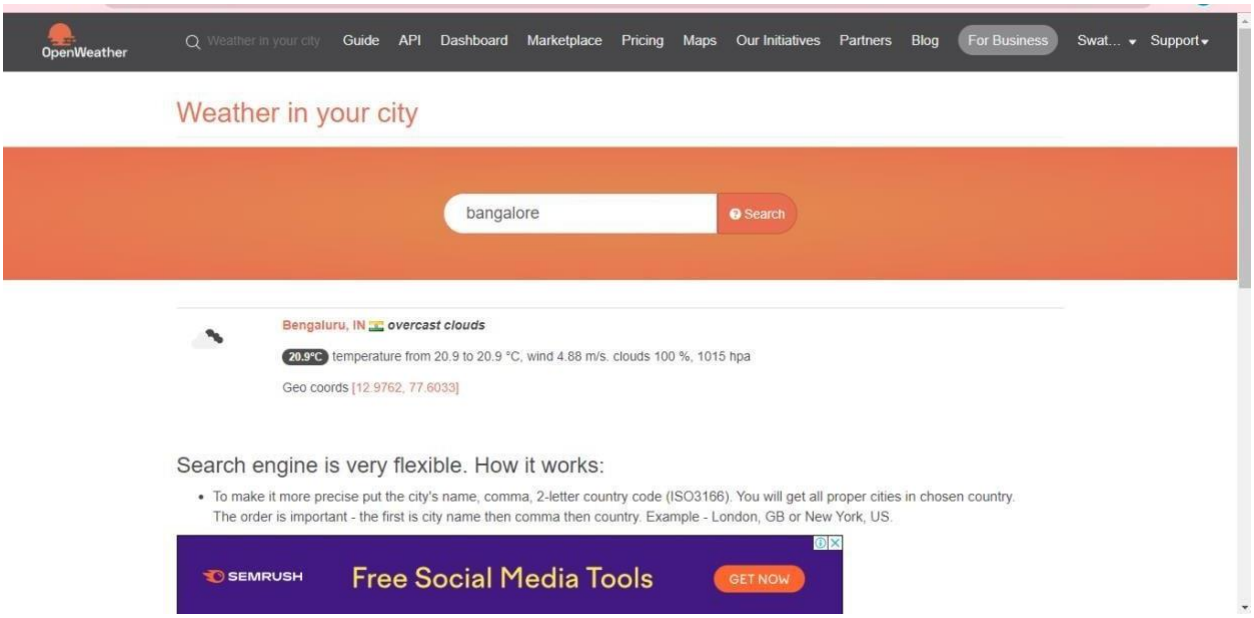
Develop the python script

Date	09 November 2022
Team id	PNT2022TMID31677
Project name	Signs with smart connectivity for better road safety

Create a code snippet using python to

- Extract weather data from OpenWeatherMap using APIs
- Send the extracted data to the cloud
- Receive data from the cloud and view it in the python compiler





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https://api.openweathermap.org

api.openweathermap.org/data/2.5/weather?q=Bengaluru,%20IN&appid=76d24dec9915b133df9bdef90b7c215a

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*weather1.py - C:\Users\Sri\AppData\Local\Programs\Python\Python39\weather1.py (3....

File Edit Format Run Options Window Help

```
import requests
api_data="https://api.openweathermap.org/data/2.5/weather?q=Bengaluru,%20IN&a
rec=requests.get(url=api_data)
data=rec.json()
print(data)
```

IDLE Shell 3.9.8

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```
Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\Sri\AppData\Local\Programs\Python\Python39\weather1.py ===
{'coord': {'lon': 77.6033, 'lat': 12.9762}, 'weather': [{'id': 802, 'main': 'Clo
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: 19800, 'id': 1277333, 'name': 'Bengaluru', 'cod': 200}
>>>
```

https://api.openweathermap.org

api.openweathermap.org/data/2.5/weather?q=Bengaluru,%20IN&appid=76d24dec9915b133df9bdef90b7c215a

{"coord":{"lon":77.6033,"lat":12.9762},"weather":[{"id":804,"main":"Clouds","description":"overcast clouds","icon":"04n"}],"base":"stations","main":
{"temp":294.05,"feels_like":294.39,"temp_min":294.05,"temp_max":294.05,"pressure":1015,"humidity":84,"sea_level":1015,"grnd_level":913},"visibility":10000,"wind":
{"speed":4.88,"deg":42,"gust":9.55},"clouds":{"all":100},"dt":1668092656,"sys":
{"type":1,"id":9208,"country":"IN","sunrise":1668041170,"sunset":1668082852},"timezone":19800,"id":1277333,"name":"Bengaluru","cod":200}

Python 3.9 (64-bit)

```
Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import requests
>>> api_data="https://api.openweathermap.org/data/2.5/weather?q=Bengaluru,%20IN&appid=76d24dec9915b133df9bdef90b7c215a"
>>> rec=requests.get(url=api_data)
>>> data=rec.json()
>>> print(data)
{'coord': {'lon': 77.6033, 'lat': 12.9762}, 'weather': [{'id': 802, 'main': 'Clouds', 'description': 'scattered clouds', 'icon': '03n'}], 'base': 'st
ations', 'main': {'temp': 294.95, 'feels_like': 295.22, 'temp_min': 294.05, 'temp_max': 294.95, 'pressure': 1017, 'humidity': 78}, 'visibility': 6000
, 'wind': {'speed': 3.6, 'deg': 40}, 'clouds': {'all': 40}, 'dt': 1668091958, 'sys': {'type': 1, 'id': 9205, 'country': 'IN', 'sunrise': 1668041170,
'sunset': 1668082852}, 'timezone': 19800, 'id': 1277333, 'name': 'Bengaluru', 'cod': 200}
>>>
```