

# Develop the Python Script

(Develop a Python script)

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Industry-specific intelligent fire management system

## Create a code snippet using python to

1. Extract weather data from OpenWeatherMap using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler

## Weather account ID:

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### Historical weather for any location

Our new technology, Time Machine, has allowed us to enhance the data in the Historical Weather Collection.

- Historical weather data available for **ANY** coordinate
- The depth of historical data have been extended to **40 YEARS**

You can download data from [Personal account](#) or [contact us](#) to order it.

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### Weather Dashboard

```
{"coord":{"lon":78.1667,"lat":11.65},"weather":[{"id":804,"main":"Clouds","description":"overcast clouds","icon":"04n"}],"base":"stations","main":{"temp":296.13,"feels_like":296.96,"temp_min":296.13,"temp_max":296.13,"pressure":1012,"humidity":95,"sea_level":1012,"grnd_level":979},"visibility":10000,"wind":{"speed":1.15,"deg":89,"gust":1.5},"clouds":{"all":100},"dt":1668261480,"sys":{"country":"IN","sunrise":1668213777,"sunset":1668255603},"timezone":19800,"id":1257629,"name":"Salem","cod":200}
```

```
Activities Terminal Nov 12 7:45 PM Omalur, IN 100 %
test.py
~/Documents

import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Omalur,IN,IN&appid=8185f4665523467898915cea10b4c85f"
r=requests.get(url=a)
data=r.json()
print(r)
print(data)
temp=data["main"]["temp"]
hum=data["main"]["humidity"]
print("Temperature is:",temp)
print("Humidity is:",hum)

sp@GIPSY: ~/Documents
sp@GIPSY:~/Documents$ ls
bookmarks_11_11_2022.html 'Chrome Passwords.csv' TBomb test.py
sp@GIPSY:~/Documents$ python3 test.py
<Response [200]>
{'coord': {'lon': 78.0456, 'lat': 11.741}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'overcast clouds', 'icon': '04n'}], 'base': 'stations', 'main': {'temp': 295.9, 'feels_like': 296.74, 'temp_min': 295.9, 'temp_max': 295.9, 'pressure': 1012, 'humidity': 96, 'sea_level': 1012, 'grnd_level': 980}, 'visibility': 10000, 'wind': {'speed': 0.92, 'deg': 101, 'gust': 1.13}, 'clouds': {'all': 100}, 'dt': 1668262548, 'sys': {'country': 'IN', 'sunrise': 1668213814, 'sunset': 1668255625}, 'timezone': 19800, 'id': 1261049, 'name': 'Omalur', 'cod': 200}
Temperature is: 295.9
Humidity is: 96
sp@GIPSY:~/Documents$
```