

WEATHER API

```
import requests
import datetime
api_key='47563df69a4c5d27c471c1e3678f24a8'
user_input=input("Enter your city:")
x=datetime.datetime.now()
print(f>Date and time in your {user_input} is {x}")
weather_data=requests.get(

f"https://api.openweathermap.org/data/2.5/weather?q={user_input}&appid={api_key}"
)
if weather_data.json()['cod']=='404':
    print("No City Found")
else:
    weather=weather_data.json()['weather'][0]['main']
    temp=round(weather_data.json()['main']['temp'])
    print(f"The weather in {user_input} is: {weather}")
    print(f"The temprature in {user_input} is: {temp}°F")
```

PROBLEMS 14 OUTPUT DEBUG CONSOLE JUPYTER TERMINAL

```
PS E:\python 1> & C:/Users/v.art/AppData/Local/Programs/Python/Python310/python.exe "e:/python 1/Assignment 1.py"
Enter your city:coimbatore
Date and time in your coimbatore is 2022-09-05 00:03:45.068216
The weather in coimbatore is: Clouds
The temprature in coimbatore is: 303°F
PS E:\python 1> |
```

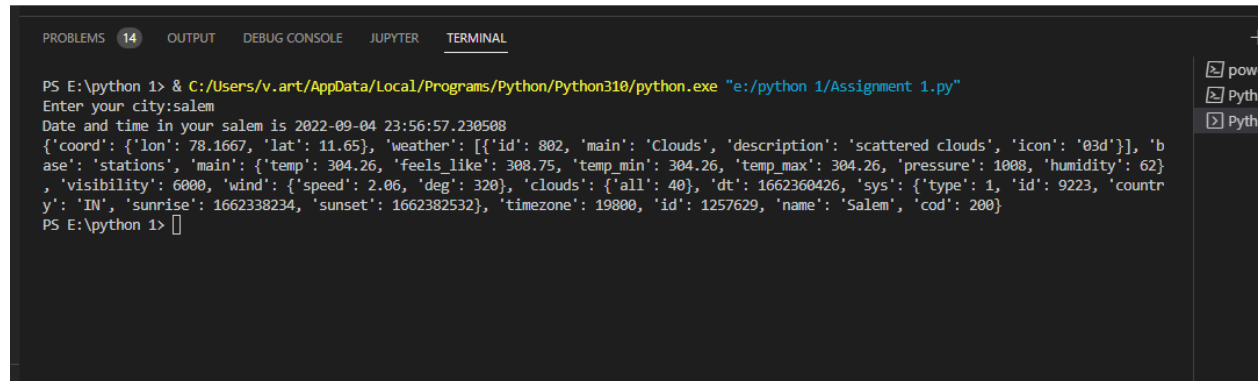
```
import requests
import datetime
api_key='47563df69a4c5d27c471c1e3678f24a8'
user_input=input("Enter your city:")
```

```

x=datetime.datetime.now()
print(f"Date and time in your {user_input} is {x}")
weather_data=requests.get(

f"https://api.openweathermap.org/data/2.5/weather?q={user_input}&appid={api_key}"
)
print(weather_data.json())

```



PROBLEMS 14 OUTPUT DEBUG CONSOLE JUPYTER TERMINAL

```

PS E:\python 1> & C:/Users/v.art/AppData/Local/Programs/Python/Python310/python.exe "e:/python 1/Assignment 1.py"
Enter your city:salem
Date and time in your salem is 2022-09-04 23:56:57.230508
{'coord': {'lon': 78.1667, 'lat': 11.65}, 'weather': [{'id': 802, 'main': 'Clouds', 'description': 'scattered clouds', 'icon': '03d'}], 'base': 'stations', 'main': {'temp': 304.26, 'feels_like': 308.75, 'temp_min': 304.26, 'temp_max': 304.26, 'pressure': 1008, 'humidity': 62}, 'visibility': 6000, 'wind': {'speed': 2.06, 'deg': 320}, 'clouds': {'all': 40}, 'dt': 1662360426, 'sys': {'type': 1, 'id': 9223, 'country': 'IN', 'sunrise': 1662338234, 'sunset': 1662382532}, 'timezone': 19800, 'id': 1257629, 'name': 'Salem', 'cod': 200}
PS E:\python 1>

```

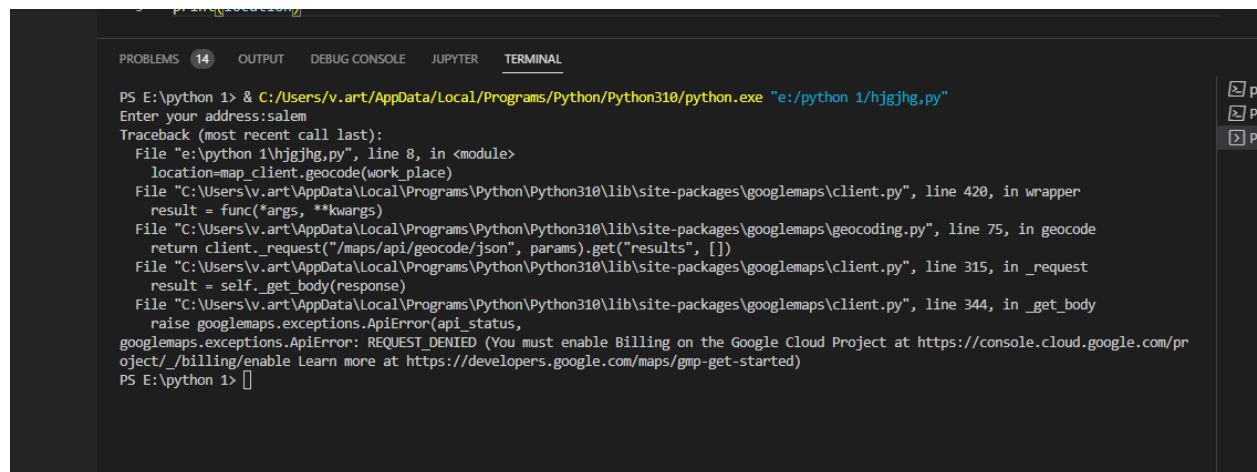
GOOGLE MAP API

```

import pprint
import googlemaps

api_key='AIzaSyBi-4U9BF5nEPxWJwHtHZqA4KuCxxLcVWx4'
map_client=googlemaps.Client(api_key)
work_place=input("Enter your address:")
location=map_client.geocode(work_place)
print(location)

```

A screenshot of a Jupyter Notebook interface. The top bar shows tabs for PROBLEMS (14), OUTPUT, DEBUG CONSOLE, JUPYTER, and TERMINAL. The TERMINAL tab is active, displaying a command prompt window. The command executed is `PS E:\python 1> & C:/Users/v.art/AppData/Local/Programs/Python/Python310/python.exe "e:/python 1/hjgjhg.py"`. The prompt asks for an address, and 'salem' is entered. A traceback follows, showing the error originates from the Google Maps API client. The final error message is `googlemaps.exceptions.ApiError: REQUEST_DENIED (You must enable Billing on the Google Cloud Project at https://console.cloud.google.com/project/_billing/enable Learn more at https://developers.google.com/maps/gmp-get-started)`.

```
PS E:\python 1> & C:/Users/v.art/AppData/Local/Programs/Python/Python310/python.exe "e:/python 1/hjgjhg.py"
Enter your address:salem
Traceback (most recent call last):
  File "e:\python 1\hjgjhg.py", line 8, in <module>
    location=map_client.geocode(work_place)
  File "C:\Users\v.art\AppData\Local\Programs\Python\Python310\lib\site-packages\googlemaps\client.py", line 420, in wrapper
    result = func(*args, **kwargs)
  File "C:\Users\v.art\AppData\Local\Programs\Python\Python310\lib\site-packages\googlemaps\geocoding.py", line 75, in geocode
    return client._request("/maps/api/geocode/json", params).get("results", [])
  File "C:\Users\v.art\AppData\Local\Programs\Python\Python310\lib\site-packages\googlemaps\client.py", line 315, in _request
    result = self._get_body(response)
  File "C:\Users\v.art\AppData\Local\Programs\Python\Python310\lib\site-packages\googlemaps\client.py", line 344, in _get_body
    raise googlemaps.exceptions.ApiError(api_status,
googlemaps.exceptions.ApiError: REQUEST_DENIED (You must enable Billing on the Google Cloud Project at https://console.cloud.google.com/project/_billing/enable Learn more at https://developers.google.com/maps/gmp-get-started)
PS E:\python 1>
```

googlemaps.exceptions.ApiError: REQUEST_DENIED (You must enable Billing on the Google Cloud Project at [https://console.cloud.google.com/project/_/billing/enable](https://console.cloud.google.com/project/_billing/enable) Learn more at <https://developers.google.com/maps/gmp-get-started>)