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**ROLL:** 407B001

**ASSIGNMENT NO. 8**

**CODE :**

import requests, json

from dotenv import load\_dotenv

import os

# Load environment variables from the .env file

load\_dotenv()

# Retrieve the API key from the environment

api\_key = os.getenv("API\_KEY")

base\_url =

"htp://api.openweathermap.org/data/2.5/weather?"

city\_name = input("Enter city name : ")

complete\_url = f"{base\_url}q={city\_name}&appid={api\_key}"

response = requests.get(complete\_url)

data = response.json()

if data["cod"] == 200:

main\_data = data["main"]

current\_temperature = main\_data["temp"]

current\_pressure = main\_data["pressure"]

current\_humidity = main\_data["humidity"]

weather\_data = data["weather"][0]

weather\_description = weather\_data["description"]

print(" Temperature (in kelvin unit) = " + str(current\_temperature) +

"\n Atmospheric pressure (in hPa unit) = " + str(current\_pressure) +

"\n Humidity (in percentage) = " + str(current\_humidity) +

"\n Description = " + str(weather\_description))

else:

print("City Not Found")

OUTPUT:

PS E:\ISR practical> python -u "e:\ISR practical\Assignment\_8.py"

Enter city name : nashik

Temperature (in kelvin unit) = 302.6

Humidity (in percentage) = 44

Description = clear sky

PS E:\ISR practical> python -u "e:\ISR practical\Assignment\_8.py"

Enter city name : london

Temperature (in kelvin unit) = 287.32

Atmospheric pressure (in hPa unit) = 1018

Humidity (in percentage) = 76

Description = overcast clouds

PS E:\ISR practical> python -u "e:\ISR practical\Assignment\_8.py"

Enter city name : pune

Temperature (in kelvin unit) = 303.06

Atmospheric pressure (in hPa unit) = 1014

Humidity (in percentage) = 49

Description = clear sky