DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID36746
Project Name	Project- Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

Program:

```python
# Enter your API key here

api_key = "Your_API_Key"


# base_url variable to store url base_url =

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


# Give city name city_name =

input("Enter city name : ")


# complete_url variable to store # complete url address

complete_url = base_url + "appid=" + api_key + "&q=" +

city_name


# get method of requests module #

return response object response =

requests.get(complete_url)


# json method of response object

# convert json format data into

# python format data

x = response.json()
```

```python
# Now x contains list of nested dictionaries
# Check the value of "cod" key is equal to
# "404", means city is found
otherwise, # city is not found if
x["cod"] != "404":

    # store the value of
    "main" # key in variable y
    y = x["main"]

    # store the value
    corresponding # to the "temp"
    key of y current_temperature =
    y["temp"]

    # store the value
    corresponding # to the
    "pressure" key of y
    current_pressure =
    y["pressure"]

    # store the value
    corresponding # to the
    "humidity" key of y
    current_humidity =
    y["humidity"]

    # store the value of
    "weather" # key in variable z
    z = x["weather"]
```

```python
        # store the value corresponding
        # to the "description" key at
        # the 0th index of z

        weather_description = z[0]["description"]

        # print following values 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:
Enter city name : Delhi Temperature
(in kelvin unit) = 312.15 atmospheric
pressure (in hPa unit) = 996 humidity
(in percentage) = 40 description =
haze