DEVELOP A PYTHON SCRIPT

Date	14 November 2022
Team ID	PNT2022TMID23481
Project Name	Project- Signs with Smart Connectivityfor Better Road Safety
Maximum Marks	4 Marks

```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

datax =

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"]

    # store the value
```

```python
corresponding# to the
"description" key at
# the 0th index of z
weather_description = z[0]["description"]
```

```python
    # 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) =

 996humidity (in percentage) = 40

 description = haze