DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID41478
Project Name	Project- **Smart Waste management system for metropolitan city**
Maximum Marks	4 Marks

```
# 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()
# 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 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