DEVELOP A PYTHON SCRIPT

Date	14TH November 2022
Team ID	PNT2022TMID41135
Project Name	Project: IOT- **Signs with Smart Connectivity for Better Road Safety**
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,
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# 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) +
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        "\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 : chennai Temperature (in kelvin unit) = 312.15 atmospheric pressure (in hPa unit) = 996 humidity (in percentage) = 40 description = haze