DEVELOP A PYTHON SCRIPT

Date	14 November 2022
Team ID	PNT2022TMID38841
Project Name	Project- Signs with Smart Connectivityfor 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
datax =
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) =
 996humidity (in percentage) = 40
 description = haze
```