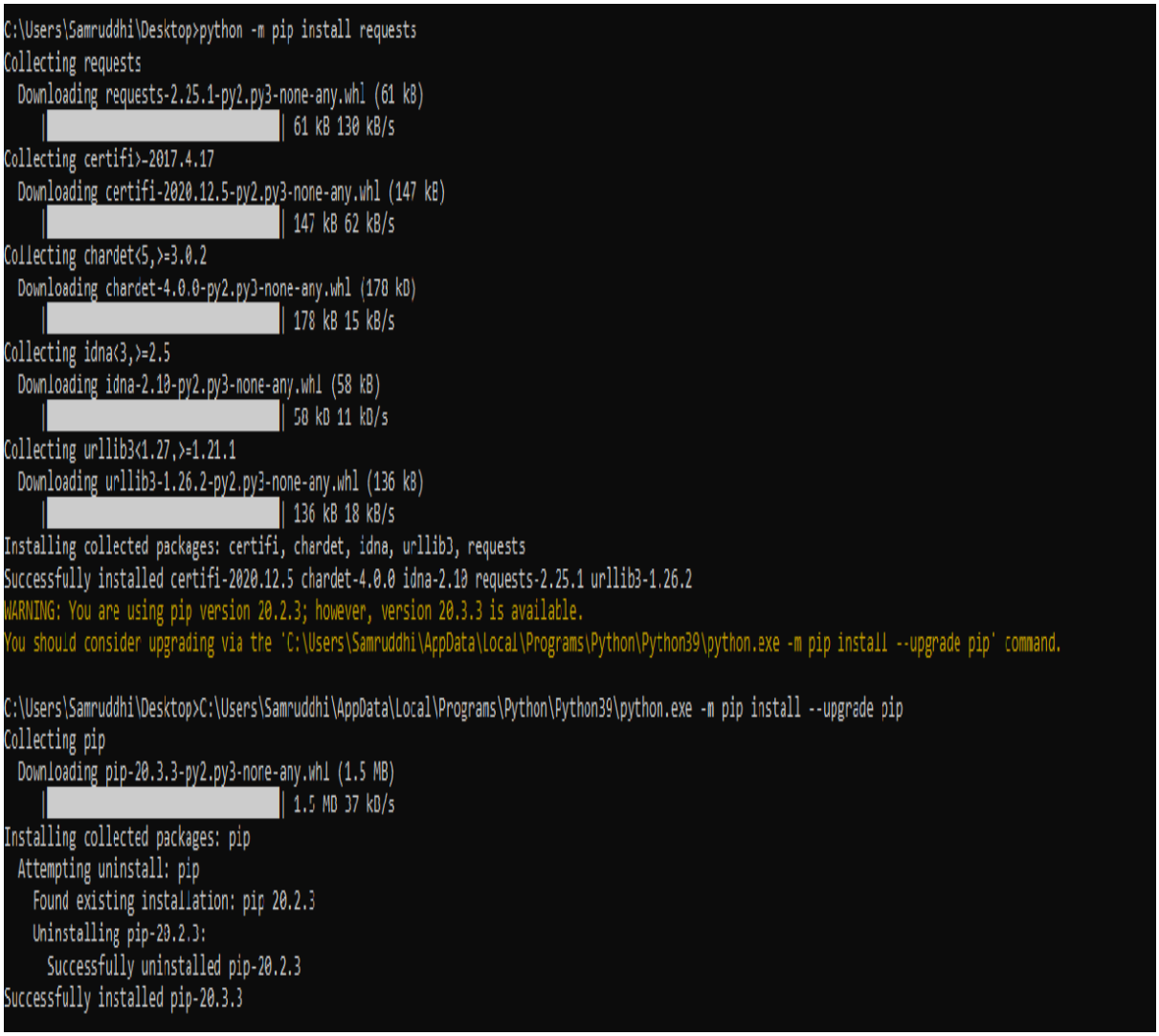
Step 1: create account in OpenWeatherMap.org

- As soon as we get logged into the application individual is provided with the API key through which one can access the current weather report.

Step 2: install python in the system.

- Install the “requests” module for the execution of the code



Step 3: write the code for fetching the current weather data

- Put your API key to fetch

```
# Python program to find current

# weather details of any city

# using openweathermap api


# import required modules

import requests

import json ,sys


# Enter your API key here

api_key = "5fbe120f25b1e772aaab7a5926eb0292"

// this api key is generated after the account is created.


# 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_humidiy = 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_humidiy) +
        "\n description = " +
                str(weather_description))

else:
    print (" City Not Found ")
```

Step 4: Run the code and enter the city for which you desire to know the weather report