**Method 1: Using the**[json](https://www.geeksforgeeks.org/response-json-python-requests/)**and request module**

# import required modules

import requests, json

# 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

### ****Method  2:****Using [BeautifulSoup](https://www.geeksforgeeks.org/implementing-web-scraping-python-beautiful-soup/) and request module

from bs4 import BeautifulSoup

import requests

headers = {

'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/58.0.3029.110 Safari/537.3'}

def weather(city):

city = city.replace(" ", "+")

res = requests.get(

f'https://www.google.com/search?q={city}&oq={city}&aqs=chrome.0.35i39l2j0l4j46j69i60.6128j1j7&sourceid=chrome&ie=UTF-8', headers=headers)

print("Searching...\n")

soup = BeautifulSoup(res.text, 'html.parser')

location = soup.select('#wob\_loc')[0].getText().strip()

time = soup.select('#wob\_dts')[0].getText().strip()

info = soup.select('#wob\_dc')[0].getText().strip()

weather = soup.select('#wob\_tm')[0].getText().strip()

print(location)

print(time)

print(info)

print(weather+"°C")

city = input("Enter the Name of City -> ")

city = city+" weather"

weather(city)

print("Have a Nice Day:)")

OUTPUT

Enter the Name of City -> Mahoba

Searching...

Mahoba, Uttar Pradesh

Monday, 12:00 am

Cloudy

27°C

Have a Nice Day:)