```
# import required modules
import requests, json



# Enter your API key here
api_key = "d1444ec4268a790926ee4bc9ba83f315"

# 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
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        # 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 ")


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IDLE Shell 3.11.0

File Edit Shell Debug Options Window Help

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
================== RESTART: C:/Users/Ksheerajacharanyan/prg1.py ==================
Enter city name : Chennai
 Temperature (in kelvin unit) = 297.14
 atmospheric pressure (in hPa unit) = 1012
 humidity (in percentage) = 94
 description = moderate rain
Enter city name :
```