CODE

```
# 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 : KOLKATA

Temperature (in kelvin unit) = 312.15
 atmospheric pressure (in hPa unit) = 996
 humidity (in percentage) = 40
```