import tkinter as tk

import requests

import time

def getWeather(canvas):

    city = textField.get()

    api = "https://api.openweathermap.org/data/2.5/weather?q="+city+"&appid=06c921750b9a82d8f5d1294e1586276f"

    json\_data = requests.get(api).json()

    condition = json\_data['weather'][0]['main']

    temp = int(json\_data['main']['temp'] - 273.15)

    min\_temp = int(json\_data['main']['temp\_min'] - 273.15)

    max\_temp = int(json\_data['main']['temp\_max'] - 273.15)

    pressure = json\_data['main']['pressure']

    humidity = json\_data['main']['humidity']

    wind = json\_data['wind']['speed']

    sunrise = time.strftime('%I:%M:%S', time.gmtime(json\_data['sys']['sunrise'] - 21600))

    sunset = time.strftime('%I:%M:%S', time.gmtime(json\_data['sys']['sunset'] - 21600))

    final\_info = condition + "\n" + str(temp) + "°C"

    final\_data = "\n"+ "Min Temp: " + str(min\_temp) + "°C" + "\n" + "Max Temp: " + str(max\_temp) + "°C" +"\n" + "Pressure: " + str(pressure) + "\n" +"Humidity: " + str(humidity) + "\n" +"Wind Speed: " + str(wind) + "\n" + "Sunrise: " + sunrise + "\n" + "Sunset: " + sunset

    label1.config(text = final\_info)

    label2.config(text = final\_data)

canvas = tk.Tk()

canvas.geometry("600x500")

canvas.title("Weather App")

f = ("poppins", 15, "bold")

t = ("poppins", 35, "bold")

textField = tk.Entry(canvas, justify='center', width = 20, font = t)

textField.pack(pady = 20)

textField.focus()

textField.bind('<Return>', getWeather)

label1 = tk.Label(canvas, font=t)

label1.pack()

label2 = tk.Label(canvas, font=f)

label2.pack()

canvas.mainloop()