

```
import tkinter as tk
```

```
import requests
```

```
def get_weather():
```

```
    city = city_entry.get()
```

```
    api_key = "2ac4055ae8412e499a5c604412163953"
```

```
    base_url = "https://api.openweathermap.org/data/2.5/weather"
```

```
    params = {
```

```
        "q": city,
```

```
        "appid": api_key,
```

```
        "units": "metric", # You can change units as per your preference
```

```
    }
```

```
try:
```

```
    response = requests.get(base_url, params=params)
```

```
    data = response.json()
```

```
if data["cod"] == 200:
```

```
    temperature = data["main"]["temp"]
```

```
    humidity = data["main"]["humidity"]

    weather_conditions = data["weather"][0]["description"]

    result_label.config(

        text=f"Weather in {city}:\nTemperature: {temperature}°C\nHumidity: {humidity}%\nConditions: {weather_conditions.capitalize()}"

    )

else:

    result_label.config(text=f"Error: {data['message']}")

except requests.ConnectionError:

    result_label.config(text="Network error. Please check your internet connection.")

except Exception as e:

    result_label.config(text=f"An error occurred: {e}")


# Create a simple GUI window

window = tk.Tk()

window.title("Weather App")


# Create and configure widgets

city_label = tk.Label(window, text="Enter city:")

city_entry = tk.Entry(window)

get_weather_button = tk.Button(window, text="Get Weather", command=get_weather)
```

```
result_label = tk.Label(window, text="")
```

```
# Place widgets in the window
```

```
city_label.pack()
```

```
city_entry.pack()
```

```
get_weather_button.pack()
```

```
result_label.pack()
```

```
# Start the GUI event loop
```

```
window.mainloop()
```