from configparser import ConfigParser

import requests

from tkinter import \*

from tkinter import messagebox

# extract key from the

# configuration file

config\_file = "config.ini"

config = ConfigParser()

config.read(config\_file)

api\_key = config['api\_key']['key']

url = 'http://api.openweathermap.org/data/2.5/weather?q={}&appid={}'

# explicit function to get

# weather details

def getweather(city):

result = requests.get(url.format(city, api\_key))

if result:

json = result.json()

'The city is:'

city = json['name']

country = json['sys']

temp\_kelvin = json['main']['temp']

temp\_celsius = temp\_kelvin - 273.15

weather1 = json['weather'][0]['main']

final = [city, country, temp\_kelvin,

temp\_celsius, weather1]

return final

else:

print("NO Content Found")

# explicit function to

# search city

def search():

city = city\_text.get()

weather = getweather(city)

if weather:

location\_lbl['text'] = '{} ,{}'.format(weather[0], weather[1])

temperature\_label['text'] = str(weather[3]) + "°C Degree Celsius"

weather\_l['text'] = weather[4] + '☁️'

else:

messagebox.showerror('Error', "Cannot find {}".format(city))

# Driver Code

# create object

app = Tk()

# add title

app.title("⛈ 𝚆𝚎𝚊𝚝𝚑𝚎𝚛 𝙵𝚘𝚛𝚎𝚌𝚊𝚜𝚝 𝚊𝚙𝚙 ⛅️")

# adjust window size

app.geometry("509x400")

# Add image file

bg = PhotoImage(file="Your\_img.png")

# Create Canvas

canvas1 = Canvas(app, width=509,

height=300)

canvas1.pack(fill="both", expand=True)

# Display image

canvas1.create\_image(0, 0, image=bg,

anchor="nw")

# add labels, buttons and text

city\_text = StringVar()

city\_entry = Entry(app, textvariable=city\_text)

city\_entry.pack()

Search\_btn = Button(app, text="Search Weather",

width=12, command=search)

Search\_btn.pack()

location\_lbl = Label(app, text="Location", font={'bold', 30})

location\_lbl.pack()

temperature\_label = Label(app, text="")

temperature\_label.pack()

weather\_l = Label(app, text="")

weather\_l.pack()

app.mainloop()