Day 23 task

Whether

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| --- |
| fromconfigparserimportConfigParser |
|  | import requests |
|  | from tkinter import \* |
|  | from tkinter import messagebox |
|  | # configuration file |
|  | config\_file = "config.ini" |
|  | config = ConfigParser() |
|  | config.read(config\_file) |
|  | api\_key = config['Mayur']['api'] |
|  | url = 'http://api.openweathermap.org/data/2.5/weather?q={}&appid={}' |
|  | def getweather(city): |
|  | result = requests.get(url.format(city, api\_key)) |
|  | if result: |
|  | json = result.json() |
|  | 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") |
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|  | # 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])+" Degree Celsius" |
|  | weather\_l['text'] = weather[4] |
|  | else: |
|  | messagebox.showerror('Error', "Cannot find {}".format(city)) |
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|  | app = Tk() |
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|  | app.title("Weather App") |
|  |  |
|  | app.geometry("300x300") |
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|  | # 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",bg='royalblue', fg='white',font=('helvetica', 12, 'bold'), command=search) |
|  | Search\_btn.pack() |
|  | location\_lbl = Label(app, text="Location", font={'bold', 20}) |
|  | location\_lbl.pack() |
|  | temperature\_label = Label(app, text="") |
|  | temperature\_label.pack() |
|  | weather\_l = Label(app, text="") |
|  | weather\_l.pack() |
|  | app.mainloop() |