

weather1.py - C:\Users\Aman1\OneDrive\Desktop\weather1.py (3.11.6)

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```
from tkinter import *
import tkinter as tk
from geopy.geocoders import Nominatim
from tkinter import ttk,messagebox
from timezonefinder import TimezoneFinder
from datetime import datetime
import requests
import pytz

root=Tk()
root.title("Weather App")
root.geometry("900x500+300+200")
root.resizable(False,False)

def getweather():
    city=textfield.get()

    geolocator=Nominatim(user_agent='geoapiExercises')
    location=geolocator.geocode(city)
    obj=TimezoneFinder()

    result=obj.timezone_at(lng=location.longitude,lat=location.latitude)
    print(result)

    home=pytz.timezone(result)
    local_time=datetime.now(home)
    current_time=local_time.strftime("%I:%M %p")
    clock.config(text=current_time)
    name.config(text='CURRENT WEATHER')

#weather

api="https://api.openweathermap.org/data/2.5/weather?q="+city+"&appid=ef7b18506f61ac31c59a5276cbac21f3"
json_data=requests.get(api).json()
condition=json_data['weather'][0]['main']
description=json_data['weather'][0]['description']
temp=int(json_data['main']['temp']-273.15)
pressure=json_data['main']['pressure']
humidity=json_data['main']['humidity']
wind=json_data['wind']['speed']

t.config(text=(temp,"°"))
c.config(text=(condition,"|","FEELS","LIKE",temp,"°"))
```

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```
c.config(text=(condition,"|","FEELS","LIKE",temp,"°"))

w.config(text=wind)
h.config(text=humidity)
d.config(text=description)
p.config(text=pressure)

#SEARCH BOX

Search_Image=PhotoImage(file="C:/Users/Aman1/Downloads/Copy of search.png")
myimage=Label(image=Search_Image)
myimage.place(x=20,y=20)

textfield=tk.Entry(root,justify='center',width=17,font=('poppins',25,'bold'),bg='#404040',border=0,fg='white')
textfield.place(x=50,y=40)
textfield.focus()

Search_icon=PhotoImage(file="C:/Users/Aman1/Downloads/Copy of search_icon.png")
myimage_icon=Button(image=Search_icon,borderwidth=0,cursor="hand2",bg='#404040',command=getweather)
myimage_icon.place(x=400,y=34)

# LOGO

Logo_image=PhotoImage(file="C:/Users/Aman1/Downloads/Copy of logo.png")
logo=Label(image=Logo_image)
logo.place(x=150,y=100)

#bottom box

Frame_image=PhotoImage(file="C:/Users/Aman1/Downloads/Copy of box.png")
frame_myimage=Label(image=Frame_image)
frame_myimage.pack(padx=5,pady=5,side=BOTTOM)

#time

name=Label(root,font=("arial",15,"bold"))
name.place(x=30,y=100)
clock=Label(root,font=('Helvetica',20))
clock.place(x=30,y=130)

#label

labell=Label(root,text="WIND",font=("Helvetica",15),fg="black",bg="#1ab5ef")
labell.place(x=120,y=400)
```

```
#label
```

```
label1=Label(root,text="WIND",font=("Helvetica",15),fg="black",bg="#1ab5ef")  
label1.place(x=120,y=400)
```

```
label2=Label(root,text="HUMIDITY",font=("Helvetica",15),fg="black",bg="#1ab5ef")  
label2.place(x=250,y=400)
```

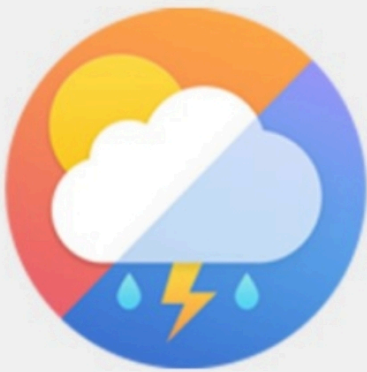
```
label3=Label(root,text="DESCRIPTION",font=("Helvetica",15),fg="black",bg="#1ab5ef")  
label3.place(x=430,y=400)
```

```
label4=Label(root,text="PRESSURE",font=("Helvetica",15),fg="black",bg="#1ab5ef")  
label4.place(x=650,y=400)
```

```
t=Label(font=("arial",70,"bold"),fg="#404040")  
t.place(x=400,y=150)  
c=Label(font=("arial",15,'bold'))  
c.place(x=400,y=250)
```

```
w=Label(text='    ',font=("arial",20,"bold"),fg="#404040")  
w.place(x=120,y=430)  
h=Label(text='    ',font=("arial",20,"bold"),fg="#404040")  
h.place(x=280,y=430)  
d=Label(text='    ',font=("arial",20,"bold"),fg="#404040")  
d.place(x=450,y=430)  
p=Label(text='    ',font=("arial",20,"bold"),fg="#404040")  
p.place(x=690,y=430)
```

```
root.mainloop()
```



WIND



HUMIDITY



DESCRIPTION



PRESSURE



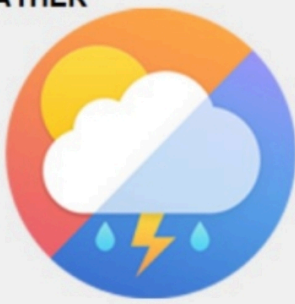
C:\Users\vdnain\AppData\Local\Programs\Python\Launcher\py.exe  
Asia/Kolkata

Weather App

indore

CURRENT WEATHER

03:44 PM



30 °

Clouds | FEELS LIKE 30 °

WIND	HUMIDITY	DESCRIPTION	PRESSURE
1.54	70	broken clouds	1004