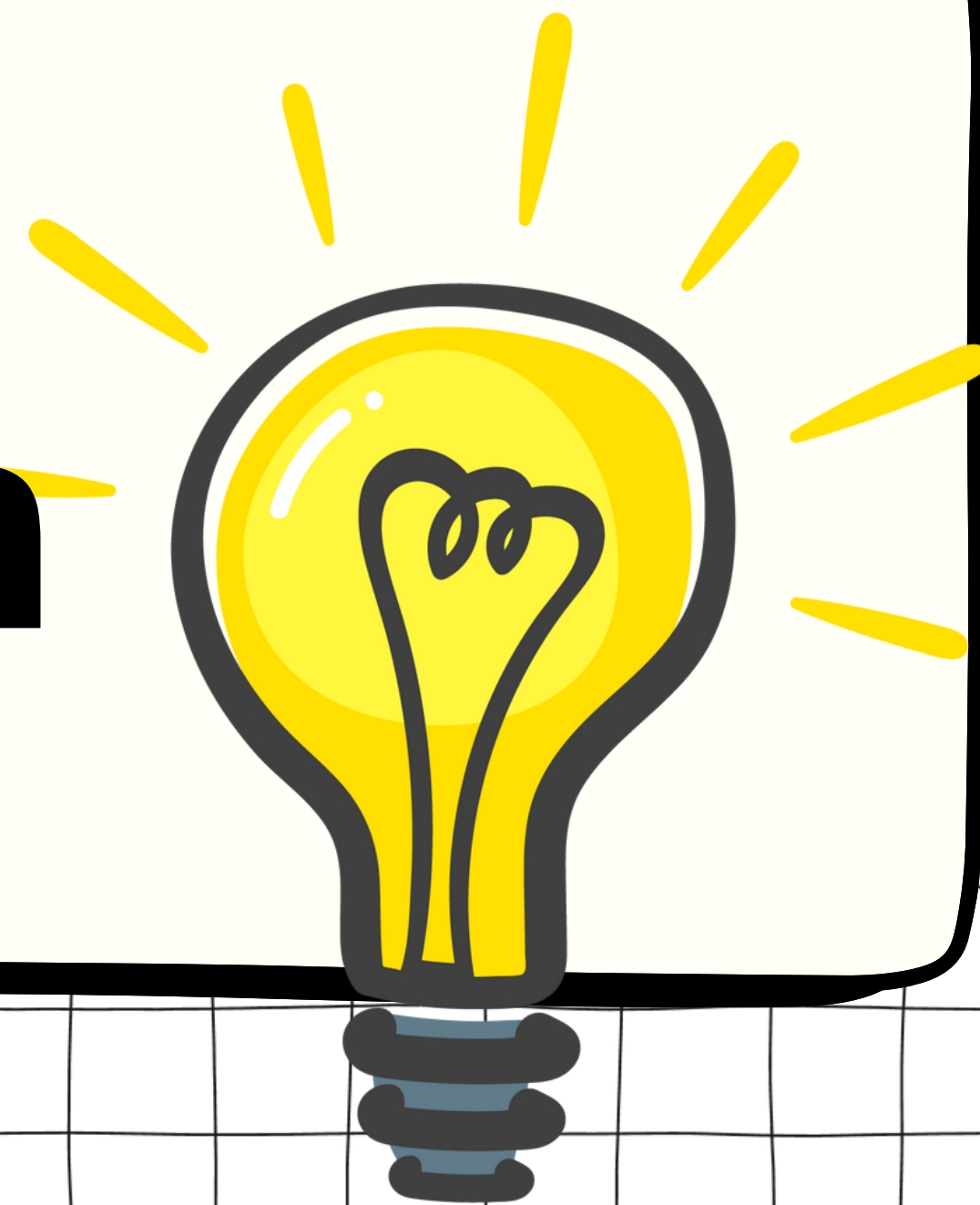




Weather app in python

by ruchira section 13



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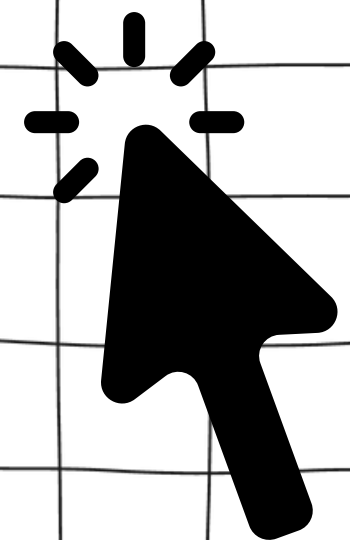
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Introduction to python

Python is an interpreted, high-level, general-purpose programming language. Its design philosophy emphasizes code readability with its notable use of significant whitespace. Its language constructs and object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

Python has a large and active community of users and developers, and its extensive standard library includes modules for string handling, data processing, web development, and more.



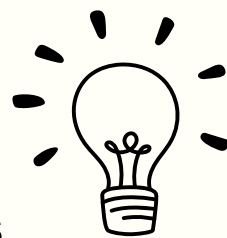
Weather App



What is a weather app?

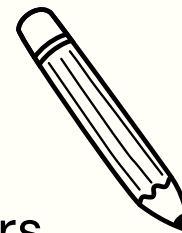
A weather app is a compact device that provides access to weather forecasts. Weather apps can provide information on:

- Temperature
- Precipitation levels
- Air quality
- Sunrise and sunset times
- Humidity levels



Why do we need a weather app?

Weather apps provide users with real-time weather information and forecasts. This information can help users make better decisions about their day-to-day activities.



More about why we need it.

Weather apps can also provide urgent alerts. For example, beach forecasts can tell you how windy it is and what the waves will be like.

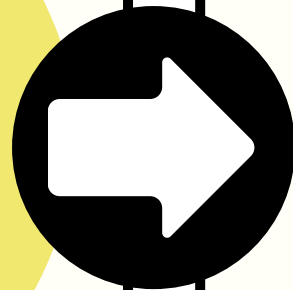
Different weather apps have access to different sources of model data. Some apps use data exclusive to their company.



SOURCE CODE

Desired output

City name
Temperature
Description



```
import requests

api_key = 'ed24e03df58d946443df3ddad4bd180e'

city = input('Enter city name: ')

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

response = requests.get(url)

if response.status_code == 200:
    data = response.json()
    temp = data['main']['temp']
    desc = data['weather'][0]['description']
    print(f'Temperature: {temp} K')
    print(f'Description: {desc}')
else:
    print('Error fetching weather data')
```