import requests

import json

def get\_weather\_forecast(city):

    api\_key = "003be8e5969395fa2f7ac2eeaf2bc726"  *# Replace with your OpenWeatherMap API key*

    base\_url = "http://api.openweathermap.org/data/2.5/weather"

    params = {

        "q": city,

        "appid": api\_key,

        "units": "metric"

    }

    try:

        response = requests.get(base\_url, params=params)

        response.raise\_for\_status()  *# Raise an exception if the request was unsuccessful*

        weathe\_data = response.json()

        return weathe\_data

    except requests.exceptions.RequestException as e:

        print("An error occurred while fetching the weathe forecast:", e)

        return None

def display\_weather\_forecast(weather\_data):

    if weather\_data is not None:

        city = weathe\_data["name"]

        temperature = weathe\_data["main"]["temp"]

        description = weathe\_data["weathe"][0]["description"]

        humidity = weathe\_data["main"]["humidity"]

        print("Weathe forecast for", city)

        print("Temperature:", temperature, "°C")

        print("Description:", description)

        print("Humidity:", humidity, "%")

    else:

        print("No weathe forecast available.")

def main():

    city = input("Enter a city name: ")

    weathe\_data = get\_weathe\_forecast(city)

    display\_weathe\_forecast(weathe\_data)

if \_\_name\_\_ == "\_\_main\_\_":

    main()