```
def getWeather(latitude, longitude):
   Fetches the current weather for a given latitude and longitude.
   Parameters:
    latitude (float): The latitude of the location.
    longitude (float): The longitude of the location.
   Returns:
   tuple: A tuple containing the temperature (float) and weather code (int) if the request is successful, otherwise None.
   url = f"https://api.open-meteo.com/v1/forecast?latitude={latitude}&longitude={longitude}&current weather=true"
   response = requests.get(url)
   if response.status code == 200: #Check if the request was successful
        data = response.json()
        temperature = data['current weather']['temperature']
        weatherCode = data['current weather']['weathercode']
        return temperature, weatherCode
        return None
```

```
def displayWeather(latitude, longitude):
   Fetches and displays the weather information for a given latitude and longitude.
   Args:
        latitude (float): The latitude of the location.
       longitude (float): The longitude of the location.
   Returns:
       None
   Prints:
        The temperature in Celsius and a description of the weather condition.
       If the API request fails, prints "API request failed".
   temperature, weatherCode = getWeather(latitude, longitude) #Get the temperature and weather code at a certain location
   weatherDict = {
       0: "Clear skies",
       1: "Mostly clear",
       2: "Partly cloudy",
       3: "Overcast",
       45: "Foggy",
       48: "Depositing rime fog",
       51: "Light drizzle",
       53: "Moderate drizzle",
       55: "Heavy drizzle",
       56: "Light freezing drizzle",
       57: "Heavy freezing drizzle",
       61: "Light rain",
       63: "Moderate rain",
       65: "Heavy rain",
       66: "Light freezing rain",
       67: "Heavy freezing rain",
       71: "Light snow fall",
       73: "Moderate snow",
       75: "Heavy snow",
       77: "Hail",
       80: "Light showers",
       81: "Moderate showers",
       82: "Violent rain",
       85: "Light snow",
       86: "Heavy snow",
       95: "Light thunderstorm",
       96: "Moderate thunderstorm",
       99: "Heavy thunderstorm"
   if temperature is not None:
       print(f"{temperature}°C, {weatherDict[weatherCode]}")
       print("API request failed")
```

```
Retrieves the latitude and longitude coordinates for a given city using the Open-Meteo Geocoding API.
   Args:
       city (str): The name of the city for which to retrieve coordinates.
    Returns:
        tuple: A tuple containing the latitude and longitude of the city if found, otherwise (None, None).
   url = f"https://geocoding-api.open-meteo.com/v1/search?name={city}"
   response = requests.get(url)
       data = response.json()
       if data['results']:
           latitude = data['results'][0]['latitude']
           longitude = data['results'][0]['longitude']
           return latitude, longitude
            return None, None
       return None, None
def main():
   print("Welcome to the Weather App!")
   print("Enter the name of a city to get the current weather.")
   while cont:
       cityName = input("Enter city name: ")
       latitude, longitude = getCoords(cityName)
       if latitude is not None:
           displayWeather(latitude, longitude)
           print("City not found")
        cont = input("Do you want to check the weather for another city? (y/n) ") == "y"
   main()
```

def getCoords(city):