

Python Developer Recruitment Exercise 4

Create a Python script that interacts with a public weather API, fetches data for a specified city, and displays it in a readable format.

Requirements:

1. API Interaction:

- Use the OpenWeatherMap API, api.met.no or any similar weather API that provides current weather data for a city.
- If the API requires an API key, the script should allow the key to be configured somehow.

2. Functionality:

1. The application should take a city name as input.
2. Query the API for the current weather of the specified city.
3. Parse and display the following weather information:
 - City name
 - Current temperature
 - Weather description (e.g., "clear sky," "rainy")
 - Humidity (if available)
 - Wind speed (if available)
4. Display the temperature in both Celsius and Fahrenheit for user convenience.

3. Optional:

- Allow users to request weather data for multiple cities at once.
- Cache API responses for recent city queries to avoid redundant API calls (simple in-memory caching is fine).