

Openweathermap API will provide

- Access current weather data for any location including over 200,000 cities
- Current weather is frequently updated based on global models and data from more than 40,000 weather stations
- Data is available in JSON, XML

Note : status code is returned as Integer (Int) and all there inputs and outputs variables are of String Type.

- a) **Get\_CurentWeather\_by\_CityName** : Get current weather details in XML or JSON format by providing the city name, county code.
  - Input: city name (chennai, dallas, london etc.) , mode (xml/json), country code (in, us, uk etc.) & OpenWeatherMap API Key (from <https://openweathermap.org/api> )
  - Steps: Gets the response code and gets the current weather condition
  - Output: status code & current weather condition on the city name
- b) **Get\_CurrentWeather\_by\_Zip**: Get current weather details in XML or JSON format by providing the zip code, county code
  - Input: zip (76131 ,605008) , mode (xml/json), country code (in, us, uk etc.) & OpenWeatherMap API Key (from <https://openweathermap.org/api> )
  - Steps: Gets the response code and gets the current weather condition
  - Output: Status Code & current weather condition based on zip in XML or JSON format
- c) **Get\_Weather\_5day\_Forecast\_by\_CityName** : Get Weather forecast for next 5 days with 3 hours intervals in XML or JSON format by providing the city name, county code.
  - Input: city name (chennai, dallas, london etc.) , mode (xml/json), country code (in, us, uk etc.) & OpenWeatherMap API Key (from <https://openweathermap.org/api> )
  - Steps: Gets the response code and gets the weather forecast for next 5 days with 3 hours intervals condition
  - Output: Status Code & Weather forecast for next 5 days with 3 hours intervals condition on the city name
- d) **Get\_Weather\_5day\_Forecast\_by\_Zip** : Get Weather forecast for next 5 days with 3 hours intervals in XML or JSON format by providing the zip code, county code.
  - Input: zip (76131, 605008 etc) , mode (xml/json), country code (in, us, uk etc.) & OpenWeatherMap API Key (from <https://openweathermap.org/api>)

- Steps: Gets the response code and gets the weather forecast for next 5 days with 3 hours intervals condition
- Output: Status Code & Weather forecast for next 5 days with 3 hours intervals condition based on the zip

#### Setup the package:

1. Download the package from UiPath Go!
2. Place the downloaded package in C:\Users\xxxx\AppData\Local\UiPath\app-xx.x.x\Packages
3. Open the UiPath project
4. Go to Manage Packages
  - a) Install the web activities package (UiPath.Web.Activities [for HTTP request] to Open weather map API requests) <https://activities.uipath.com/docs/about-the-web-activities-pack>
  - b) search for 'openweathermap' from local and install the package
5. check if the 'Openweathermap' activity is available
6. Setup Open weather map api key
7. Go to <https://openweathermap.org/>
8. Click on 'Sign up'
9. Fill in the details to create an account
10. Click on 'Sign in'
11. Sign into the account
12. Note the API key
13. **Note: API key will get activated after 2 hours. Please use this API Key after 2 hours else the 401 Error will be thrown.**
14. Log out