

Day 11 – Python Training

T we continued learning about working with APIs in Python. on fetching real-time weather data using a weather API and the requests module. It was a hands-on and practical session that helped me understand how Python communicates with external web services.

Key Topics Covered:

- **Understanding APIs:**
We learned what APIs are and how they allow different applications to communicate and exchange data.
- **Using Weather API:**
We used a free weather API to get real-time weather data by providing a city name. The API responded with useful data such as temperature, weather condition, humidity, etc.
- **Working with the requests Module:**
We practiced sending HTTP requests in Python using the requests library. We used the `.get()` method to request data from the API and handled the response.
- **Parsing JSON Data:**
Once we received the response from the API, we accessed specific values like temperature and weather description using JSON parsing techniques.
- **Creating a Weather Display Program:**
We combined all the concepts into a simple Python program that accepts a city name as input and displays its current weather details.