Phase 7: Integration & External Access:

Named Credentials:

- Setup → Named Credentials → New Named Credential
- Enter Label, Name, URL (e.g., `https://api.example.com`), select Identity Type (Named Principal/Per User).
- Choose Authentication Protocol (e.g., OAuth 2.0) and link to a Connected App if required.
- Save and test using an Apex callout or External Service registration.

- | New Named Credential |

- --
- Label: WeatherAPI
- Name: WeatherAPI
- URL: https://api.openweathermap.org
- External Credential: WeatherAPICredential
-
- Options:
-    ☑ Generate Authorization Header
-    ☑ Allow Merge Fields in Headers
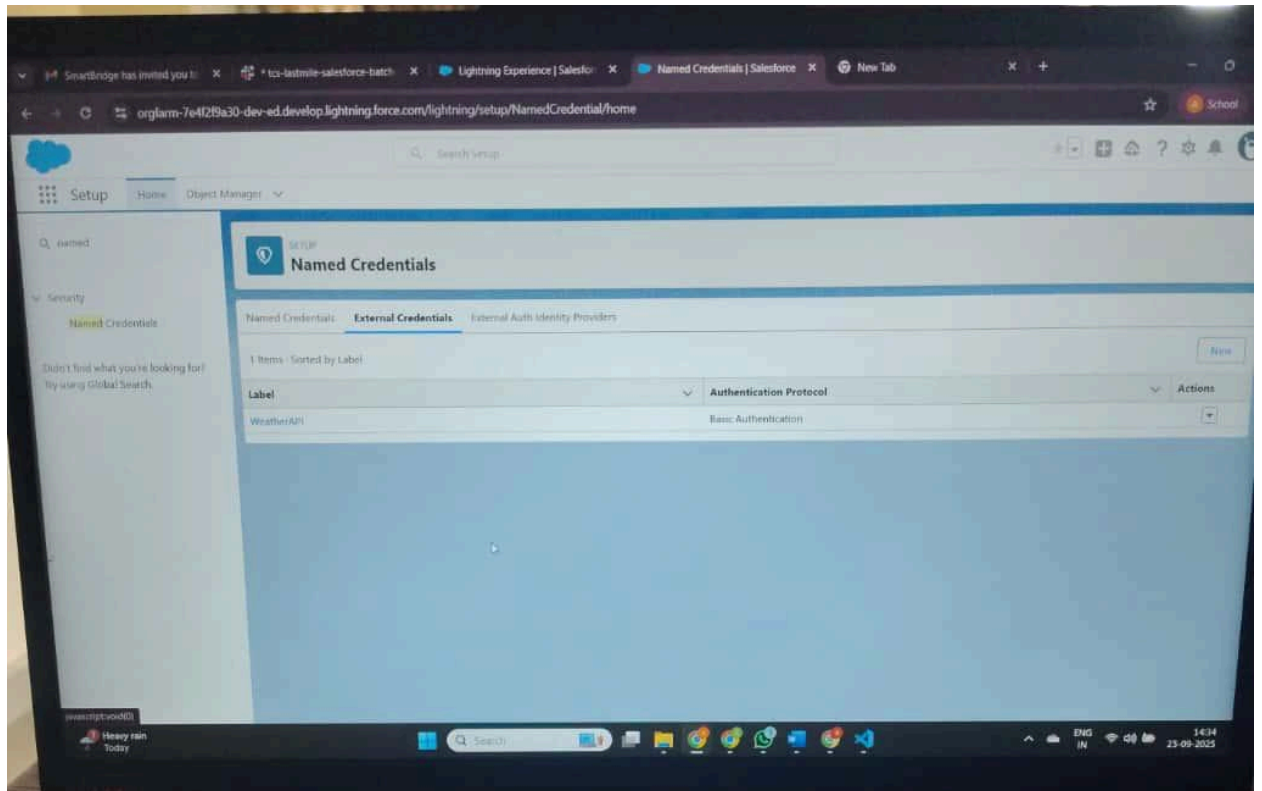
Remote Site Settings:

| New Remote Site Setting |

 Remote Site Name: WeatherAPIHost

 Remote Site URL: https://api.openweathermap.org

 Description: Weather API Callouts

Active: ☑

- Setup → Remote Site Settings → New Remote Site.

Connected App & OAuth:

Fill Basic Info → enable OAuth settings → Callback URL → Select OAuth scopes (e.g., Full access (full) or Perform requests on your behalf at any time (refresh_token, offline_access)).

Save → note Consumer Key & Consumer Secret.

Use these values when creating Named Credential (OAuth) or external integration configs.

External Services:

rovide a name and either a schema URL or upload an OpenAPI JSON/YAML file.

Select the Named Credential to authorize calls.

Register — generated Apex action is added to the org and appears in Flow Builder.

Apex Callouts:

// Using Named Credential "My_API"

HttpRequest req = new HttpRequest();

req.setEndpoint('callout:My_API/v1/residents/');

req.setMethod('GET');

Http http = new Http();

```
HTTPResponse res = http.send(req);

System.debug(res.getBody());
```
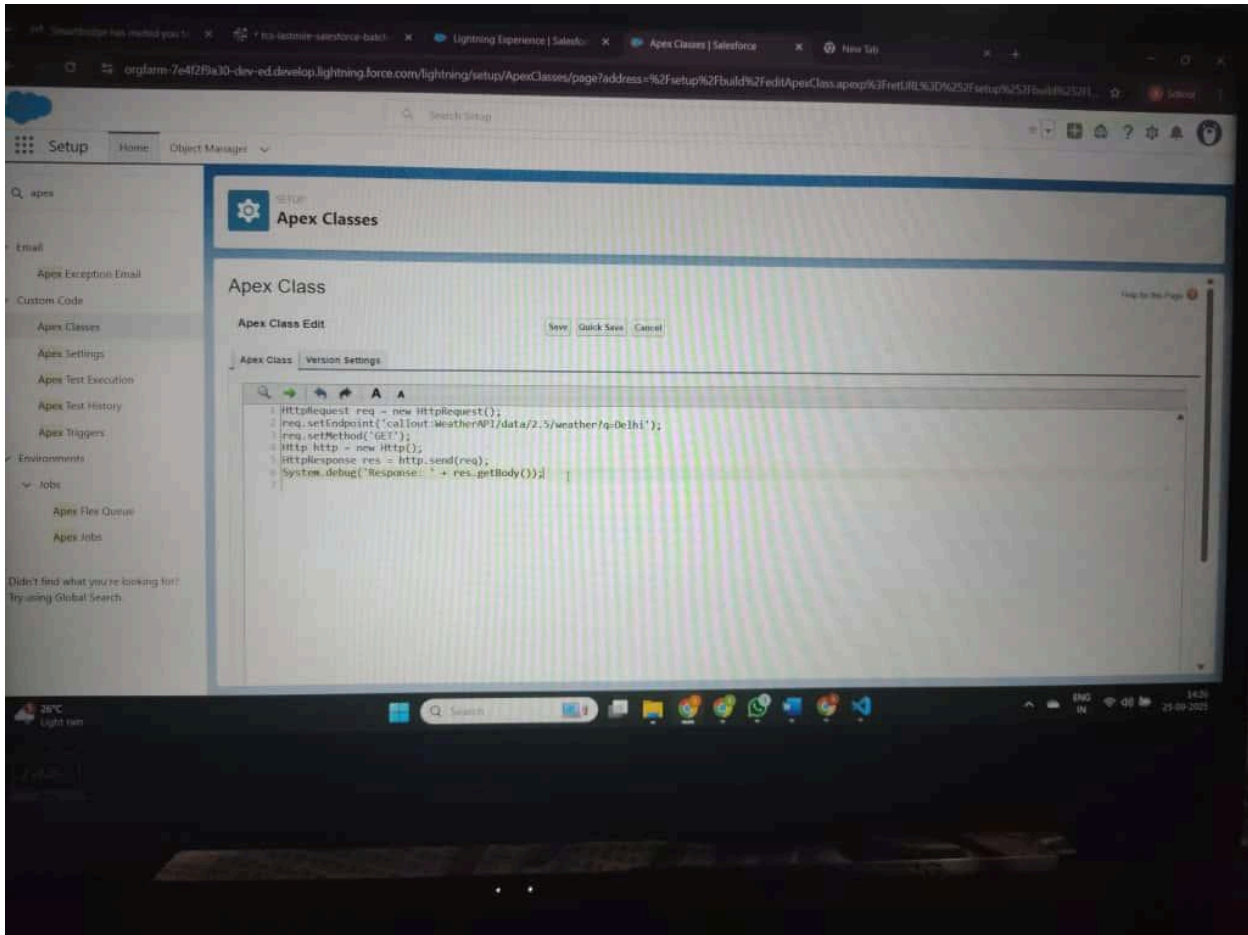
| New Apex Class |

 Class Name: WeatherAPICallout

Code Editor:

```
public with sharing class WeatherAPICallout {

    public static void getWeather() {

        HttpRequest req = new HttpRequest();

        req.setEndpoint('callout:WeatherAPI/data/2.5/weather?q=Delhi');

        req.setMethod('GET');


        Http http = new Http();

        HttpResponse res = http.send(req);


        System.debug('Response: ' + res.getBody());

    }
```

}

Platform Events & Change Data Capture (CDC):

Platform Events: Setup → Platform Events → New Platform Event

CDC: Setup → Change Data Capture → select objects

Salesforce Connect:

Select adapter (e.g., OData 2.0/4.0).

Provide URL, Named Credential, and sync options (per-object settings).

Validate and create external objects.

API Limits & Monitoring:

Setup → Company Information (API Requests, Daily API Calls) and Setup → System Overview / Event Monitoring (if enabled)

API usage:

| Company Information |

 API Requests, Last 24 Hours: 4,980 of 15,000 (33%)

 Remaining API Calls: 10,020