**Assignment 5– Add Multiple Headers Using AssignMessage from Query Parameters**

**Objective**

Create an API Proxy that:

* Accepts **two query parameters**: userid and role
* Uses an **AssignMessage policy** to:
  + Add a header X-User-ID using userid
  + Add a header X-User-Role using role
* Forwards the request to a backend
* Confirms both headers are sent in the forwarded request

**Instructions**

**🔹 Part A: Proxy Creation**

1. Log in to Apigee Edge / Apigee X
2. Create a new **Reverse Proxy**:
   * **Name:** AssignMsgMultiHeaderDemo
   * **Base Path:** /assignmulti
   * **Target URL:** https://httpbin.org/get
3. Click **Next**, then **Done**

**🔹 Part B: AssignMessage Policy**

1. In your proxy folder, navigate to:  
   apiproxy/policies/
2. Create a new policy file named:  
   AddMultipleHeaders.xml
3. Paste the following content:

<AssignMessage name="AddMultipleHeaders">

<DisplayName>Add Multiple Headers</DisplayName>

<Set>

<Headers>

<Header name="X-User-ID">{request.queryparam.userid}</Header>

<Header name="X-User-Role">{request.queryparam.role}</Header>

</Headers>

</Set>

<AssignTo createNew="false" type="request"/>

</AssignMessage>

**Part C: Attach Policy to ProxyEndpoint**

1. Open: apiproxy/proxies/default.xml
2. Under <PreFlow> <Request>, add:

<Step>

<Name>AddMultipleHeaders</Name>

</Step>

Example

<PreFlow name="PreFlow">

<Request>

<Step>

<Name>AddMultipleHeaders</Name>

</Step>

</Request>

<Response/>

</PreFlow>

**🔹 Part D: Deploy the Proxy**

1. Go to the **Develop > Deployments** tab in Apigee UI
2. Select an environment (e.g., test or eval)
3. Click **Deploy** the AssignMsgMultiHeaderDemo proxy

**Part E: Test the Proxy**

Send a test request:

curl "https://your-org-name.apigee.net/assignmulti?userid=12345&role=admin"

**Expected Behavior**

* The backend response (from httpbin.org/get) should show:

"headers": {

"X-User-ID": "12345",

"X-User-Role": "admin"

}