Salesforce Integration

- Setup developer salesforce account.

- Create a custom object emp_profile with fields emp_phone, emp_email, emp_skills.

- Work with salesforce create integration.

- Work with salesforce query operation to fetch object.

- Work with salesforce streaming.

1. Go to salesforce > object manage > New >

Salesforce appends '__c' to object name. (emp_profile__c)

2. To create field. Go to emp_profile > fields & Realtionships > New > select field type as depends >

SETUP > OBJECT MANAGER
emp_profile

Details
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Restriction Rules
Scoping Rules
Object Access
Triggers

emp_profile
New Custom Field

Step 2. Enter the details

Field Label   emp_phone

Please enter the maximum length for a text field below.
Length   50
Field Name   emp_phone
Description

Help Text

Required   ☐ Always require a value in this field in order to save a record
Unique   ☐ Do not allow duplicate values
          ○ Treat "ABC" and "abc" as duplicate values (case insensitive)
          ○ Treat "ABC" and "abc" as different values (case sensitive)
External ID   ☐ Set this field as the unique record identifier from an external system
Auto add to custom report type   ☑ Add this field to existing custom report types that contain this entity

Default Value   Show Formula Editor

3. Create another fields too.
4. We created the object with fields
5. To easy access, add object into tab. Go to Home > search and type tab > click on custom object tabs

SETUP
Tabs

Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed V components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs   New | What Is This?
No Custom Object Tabs have been defined

Web Tabs   New | What Is This?
No Web Tabs have been defined

Visualforce Tabs   New | What Is This?
No Visualforce Tabs have been defined

Lightning Component Tabs   New | What Is This?
No Lightning component tabs have been defined

Lightning Page Tabs   New | What Is This?
No Lightning Page Tabs have been defined

New Custom Object Tab

Select an existing custom object or create a new custom object now.
Object   emp_profile
Tab Style

(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.
Splash Page Custom Link   --None--

6. Click on profile icon on top right and click on switch to salesforce classic

Chinna Reddy
dqy00000lalp1map-dev-ed.develop.my.sa...
Settings Log Out

DISPLAY DENSITY

✓ Comfy
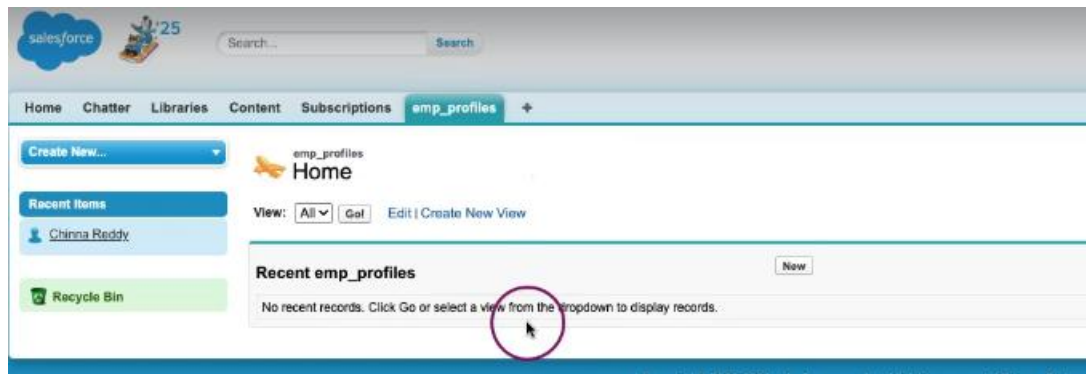
Compact

OPTIONS

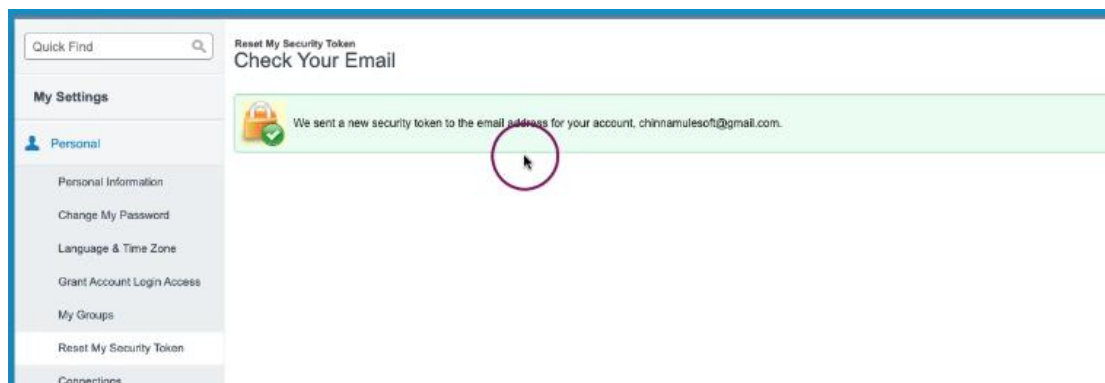w. Visualforce tabs allow you to embed Visualforce   Switch to Salesforce Classic ⓘ
Add Username

To insert entry. Click on new and enter details

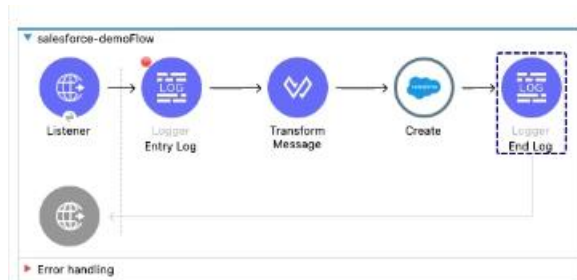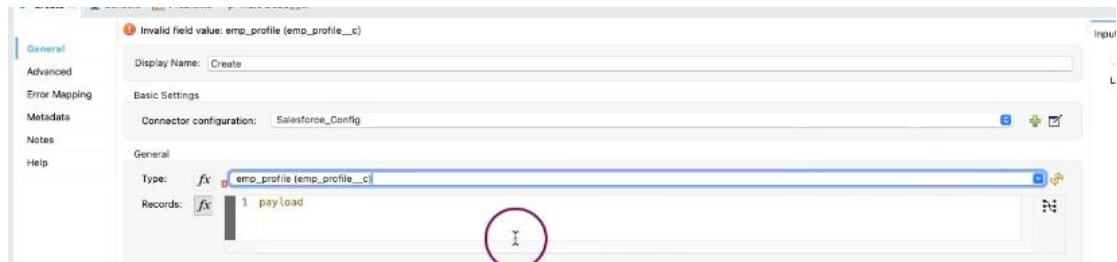## salesforce create integration with mulesoft:

We need security token. Go to salesforce > profile > my settings > personal > reset my security token >

Security token will come to email.

>> while config in mule studio. We need to use this token. After config all salesforce object sync with studio, then we can see all in Type section

Type -- our object in salesforce

Through transform messgae connector, we insert records. Trough payload.

Upsert option:

If the name is already present then it will update it, if nameis not there, then it will insert new record

Salesforce query operation to fetch data:

SOQL language is used in this, it is similar to SQL

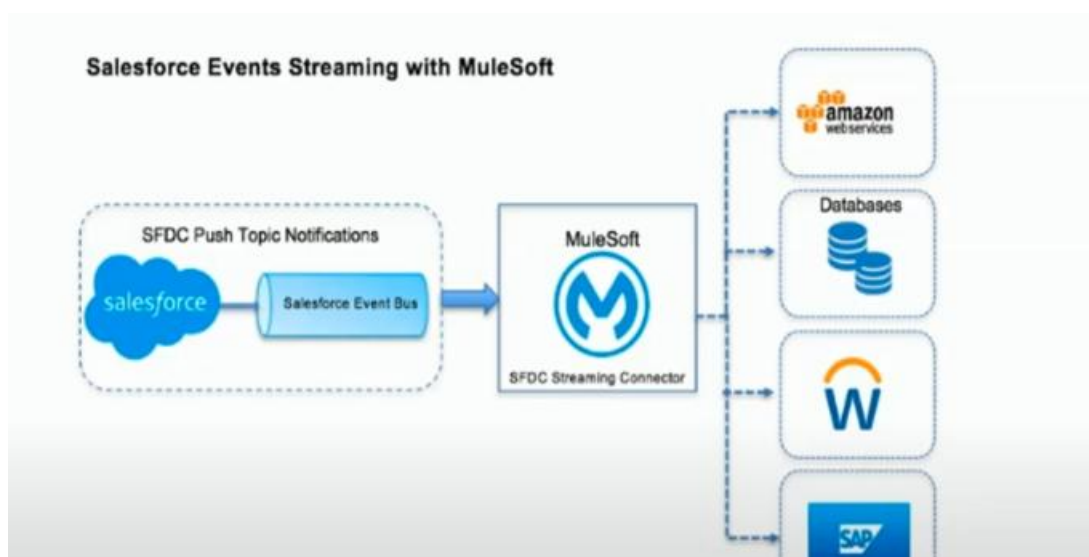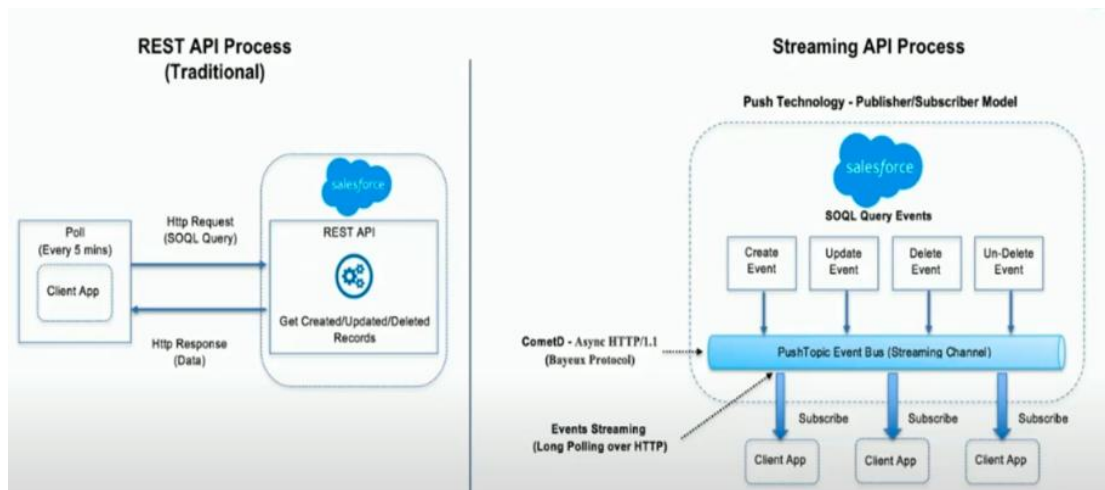>>> it will fetch the data from salesforce, who has skills, which we will pass through queryparams
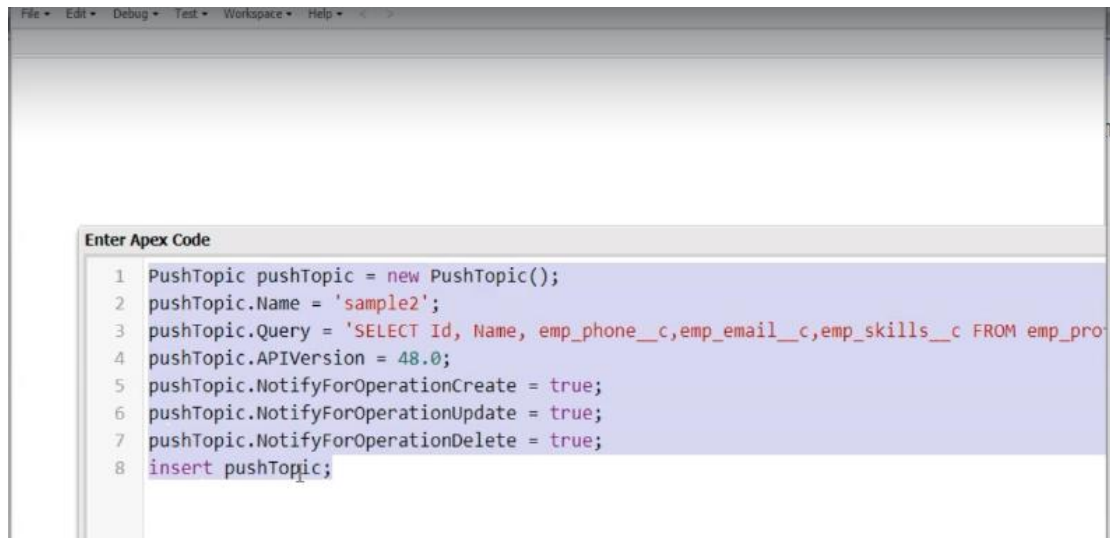
Skills= mule

In transform message, it will transform into required format
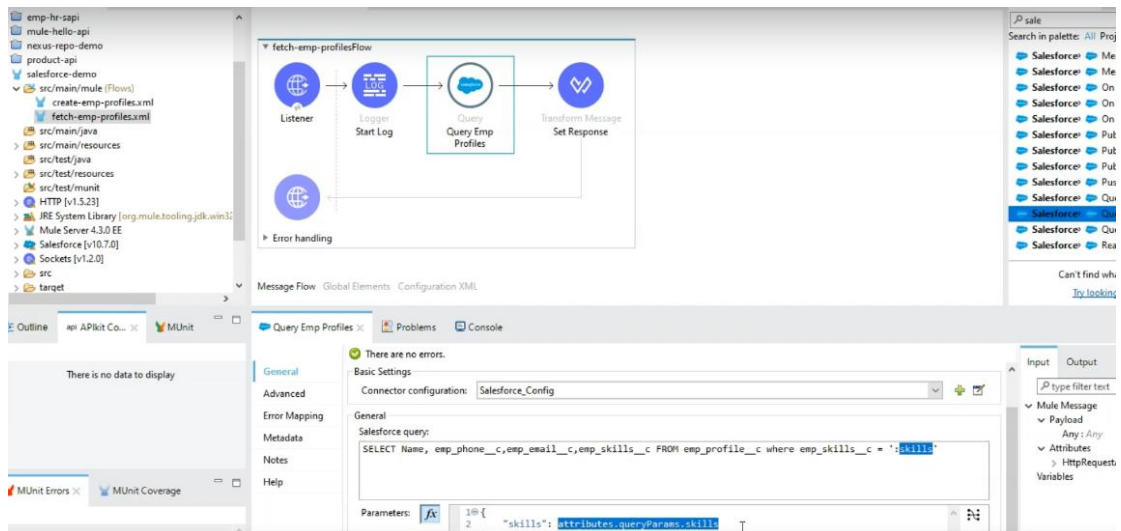
Salesforce streaming:
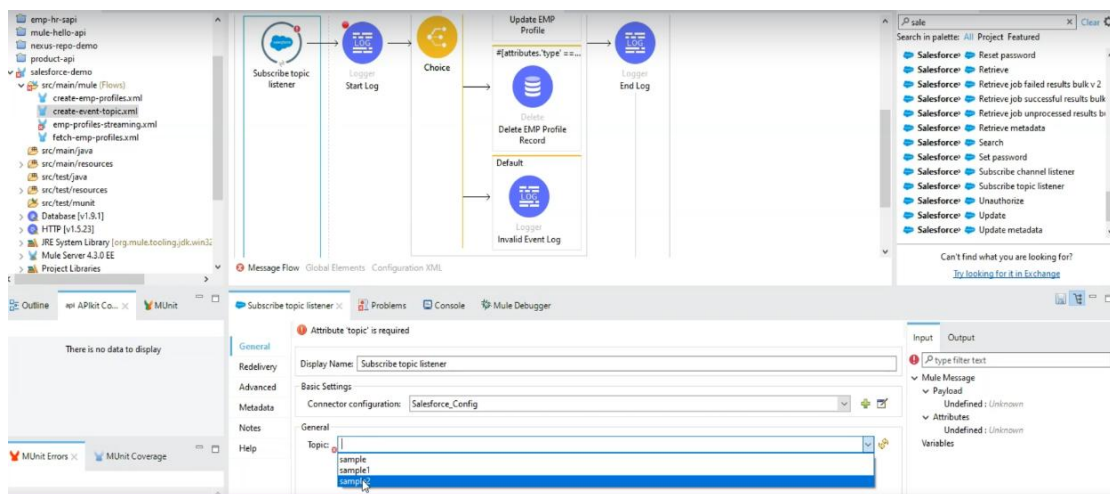**Streaming:** sync data b/w one target to other target

Salesforce topic:

Go to salesforce > profile > Developer console > Debug > open execute anonymous window > it will show apex code
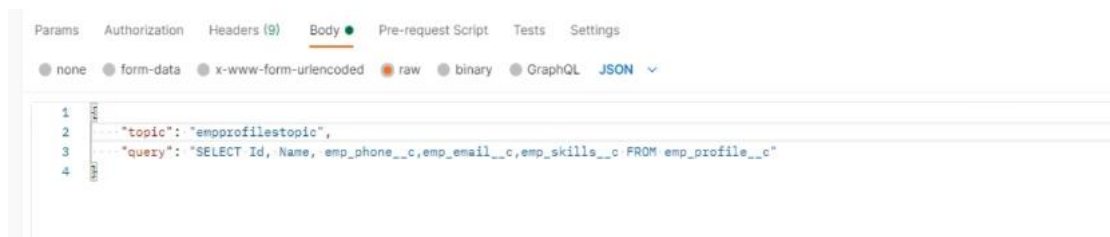

It will trigger when create, update, delete happens in emp_profile. And save into Topic
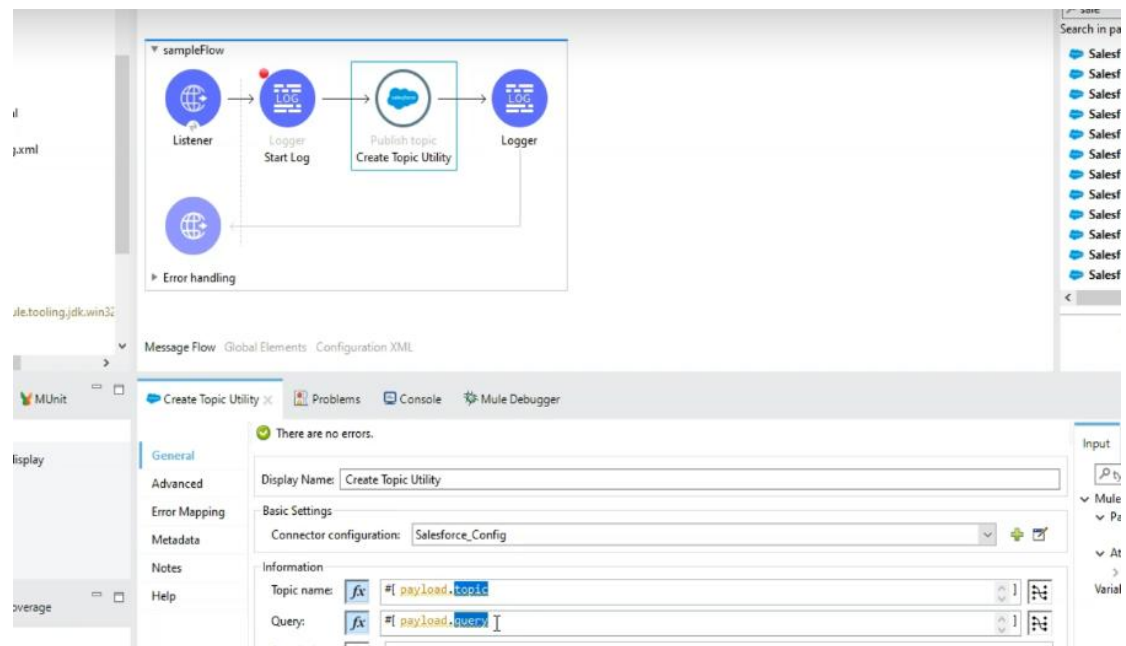
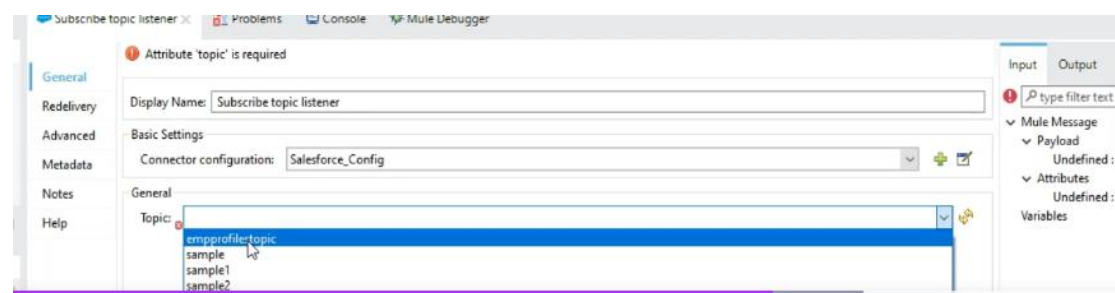It create a topic in salesforce in name of sample 2.

Another way to create topic: (publish topic connector)

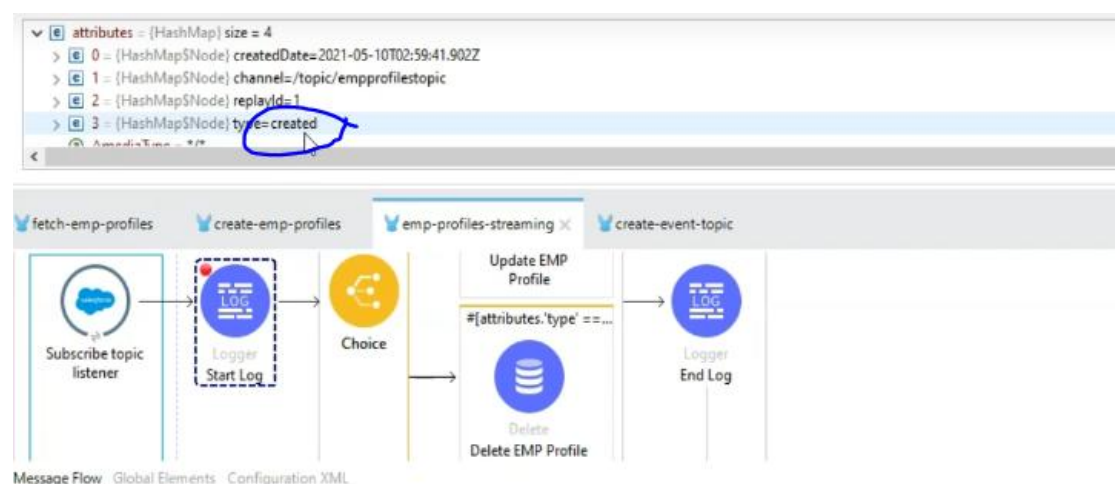We will send name and query through postman.

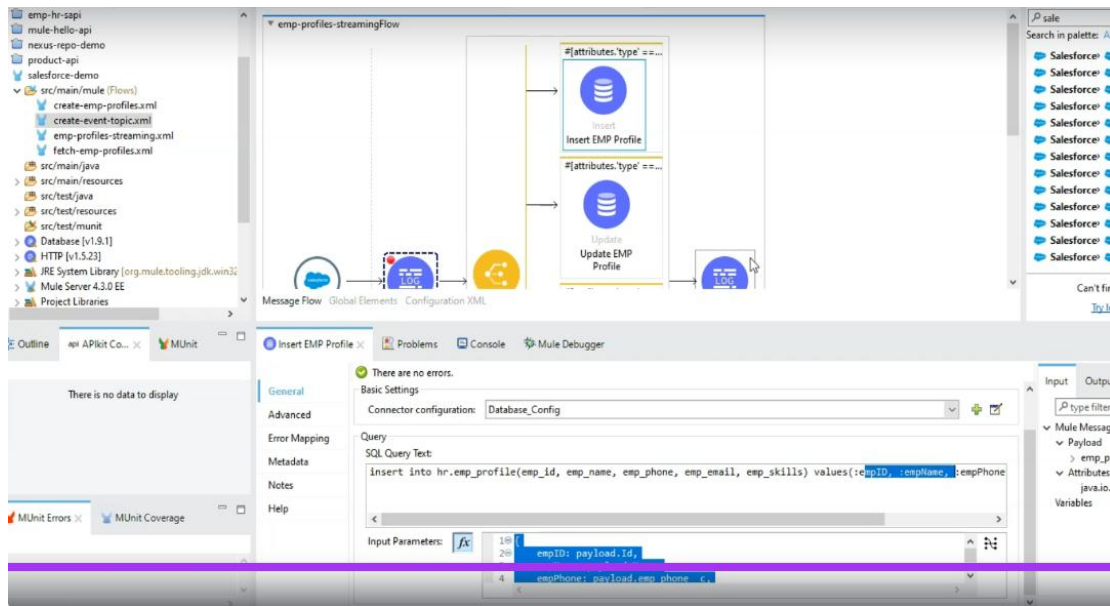It will automatically select the create, delete, update function,

Whenever we add employee in salesforce, it will trigeer studio code.

How it will know is it create, delete, update?

Based on this we will add choice connector.

If attributes. Type== created then insert record in DB

In the same way for update and delete.