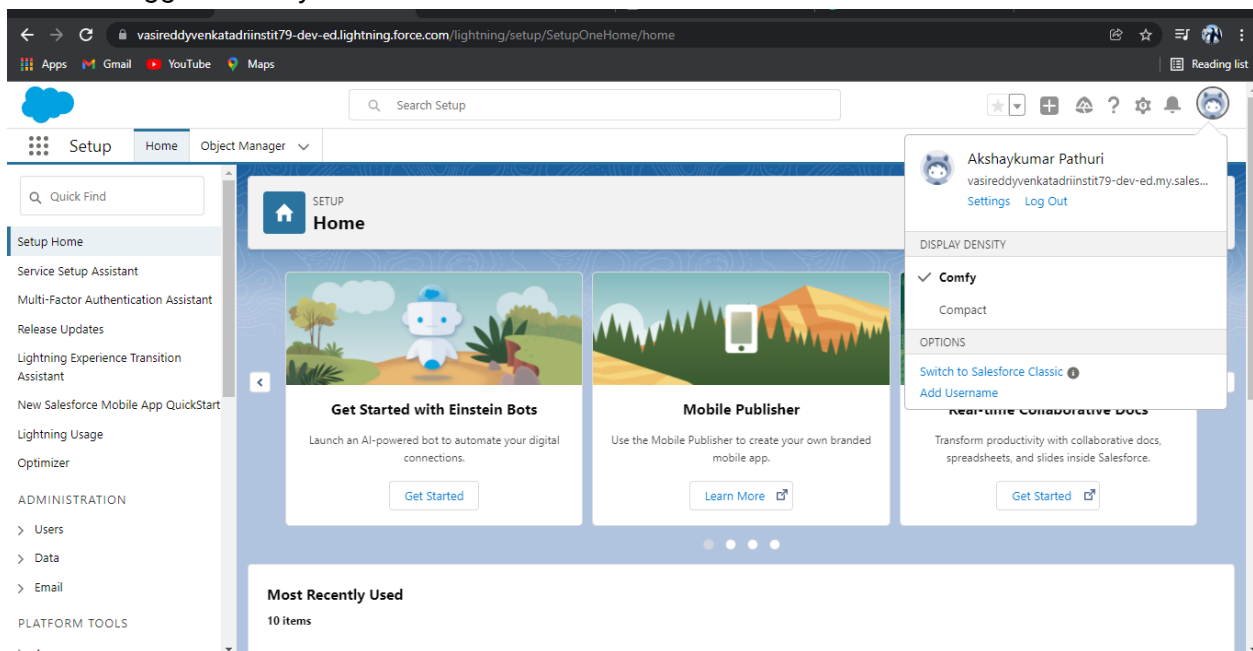


DAY 1:-

TOPIC: Create Your Salesforce Developer Org To Get Started

MILESTONES/ACTIVITIES:

- Created developer account.
- Activated my account.
- Logged into my salesforce account.

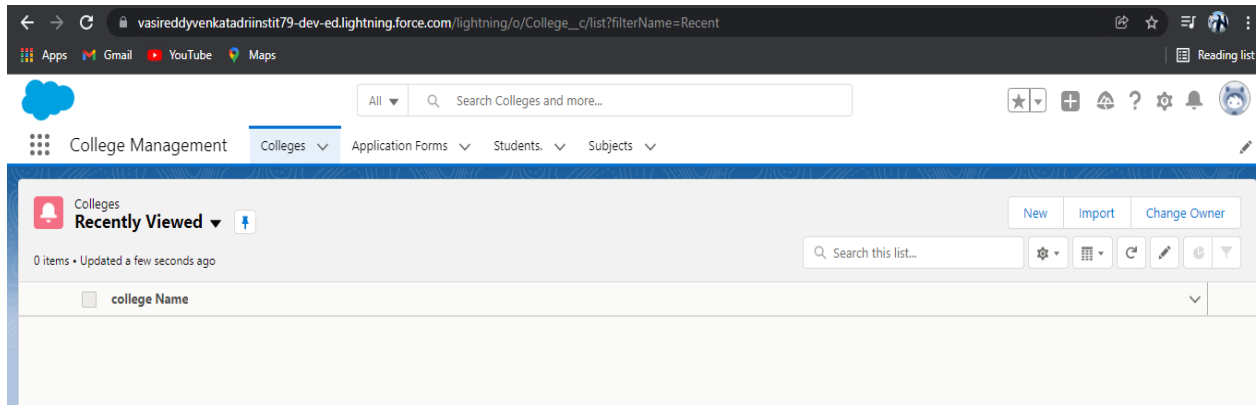


DAY 2:-

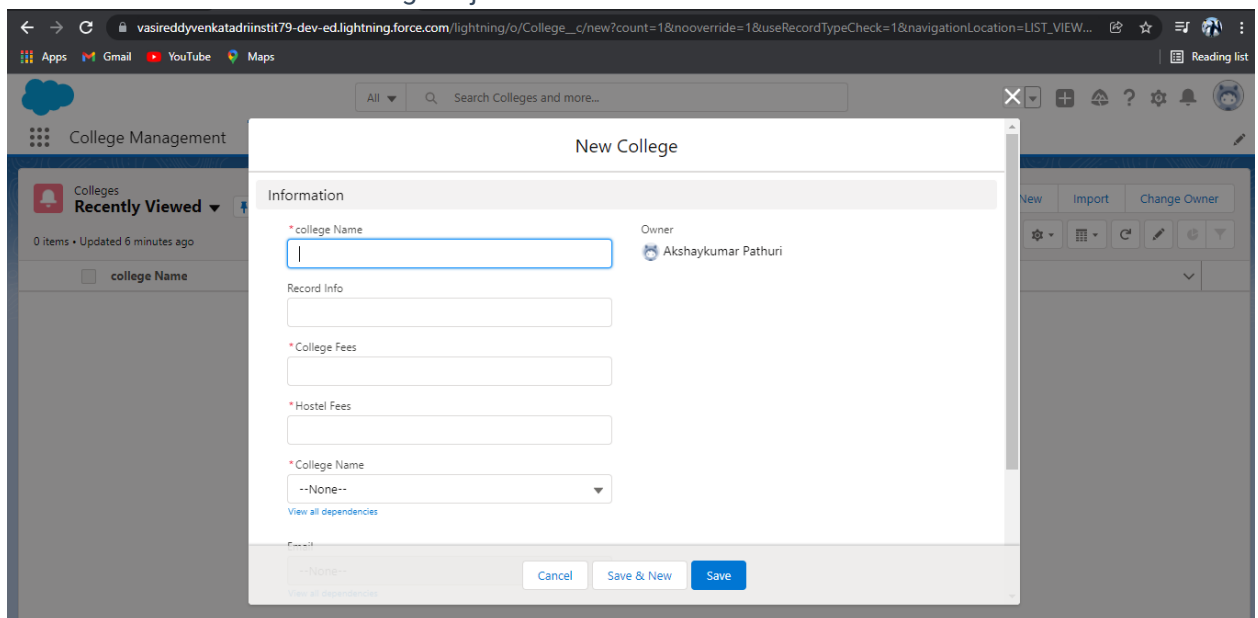
TOPIC: Custom Object Creation

MILESTONES/ACTIVITIES:

- Created custom objects.
 - >College
 - >Application Form
 - >Students
 - >Subjects



--Created Fields on college object



-Created Fields on application form object.

vasireddyvenkatadriinsti79-dev-ed.lightning.force.com/lightning/o/Application_Form__c/new?count=2&nooverride=1&useRecordTypeCheck=1&navigationLocation=L...

Apps Gmail YouTube Maps

College Management

Colleges Recently Viewed 0 items • Updated 13 minutes ago

college Name

New Application Form

Information

* Application Name
Complete this field.

Application Form ID

* Address

* College
Search Colleges...

* date of Birth

* Email

* Guardian Name

Cancel Save & New Save

-Created Fields on student object.

vasireddyvenkatadriinsti79-dev-ed.lightning.force.com/lightning/o/Student__c/new?count=3&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST_VIEW...

Apps Gmail YouTube Maps

College Management

Students Recently Viewed 0 items • Updated a few seconds ago

Student Name

Information

* Student Name

Student Name

* Address

Application Form
Search Application Forms...

* date of Birth

* Guardian Name

* Phone

Owner
Akshaykumar Pathuri

Cancel Save & New Save

-Created Fields on subjects object

The screenshot displays the Salesforce Lightning interface for a 'College Management' application. A modal window titled 'New Subjects' is open, showing the 'Information' tab. The form includes the following fields:

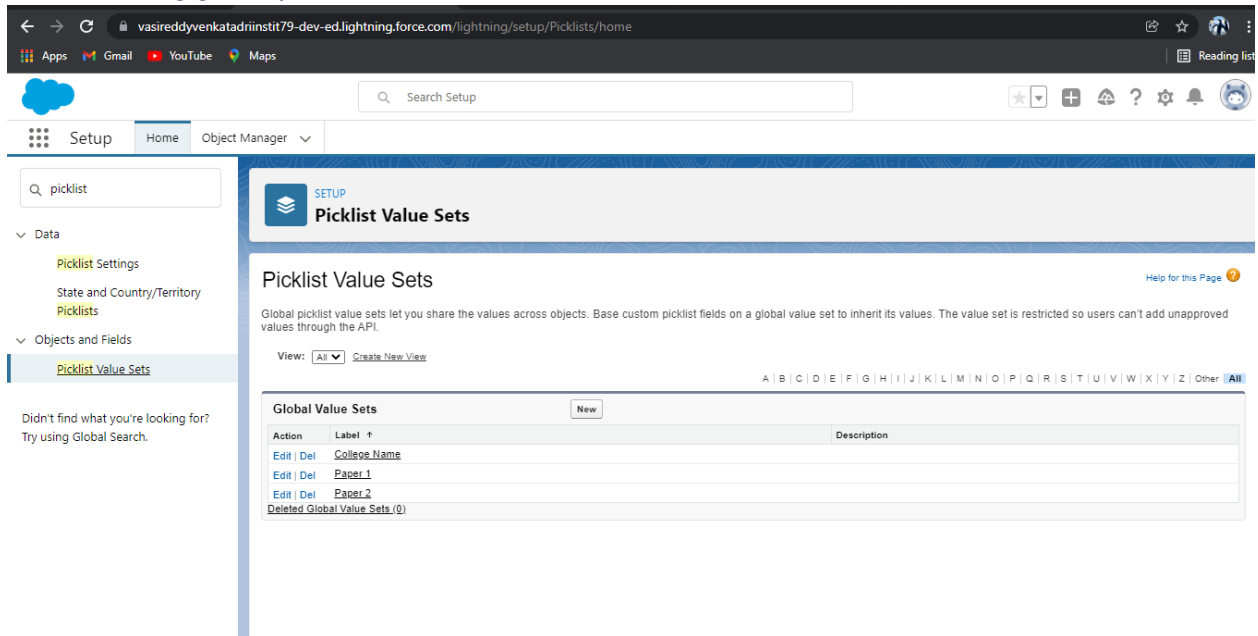
- *Subjects. Name:** A text input field with a blue border.
- Owner:** A dropdown menu showing 'Akshaykumar Pathuri'.
- Subject ID:** A text input field.
- Paper 1:** A dropdown menu with '--None--' selected.
- Paper 2:** A dropdown menu with '--None--' selected.

At the bottom of the modal, there are three buttons: 'Cancel', 'Save & New', and 'Save'.

DAY 3:-

TOPIC: Adding Business Logic To Application

-Creating global picklist values

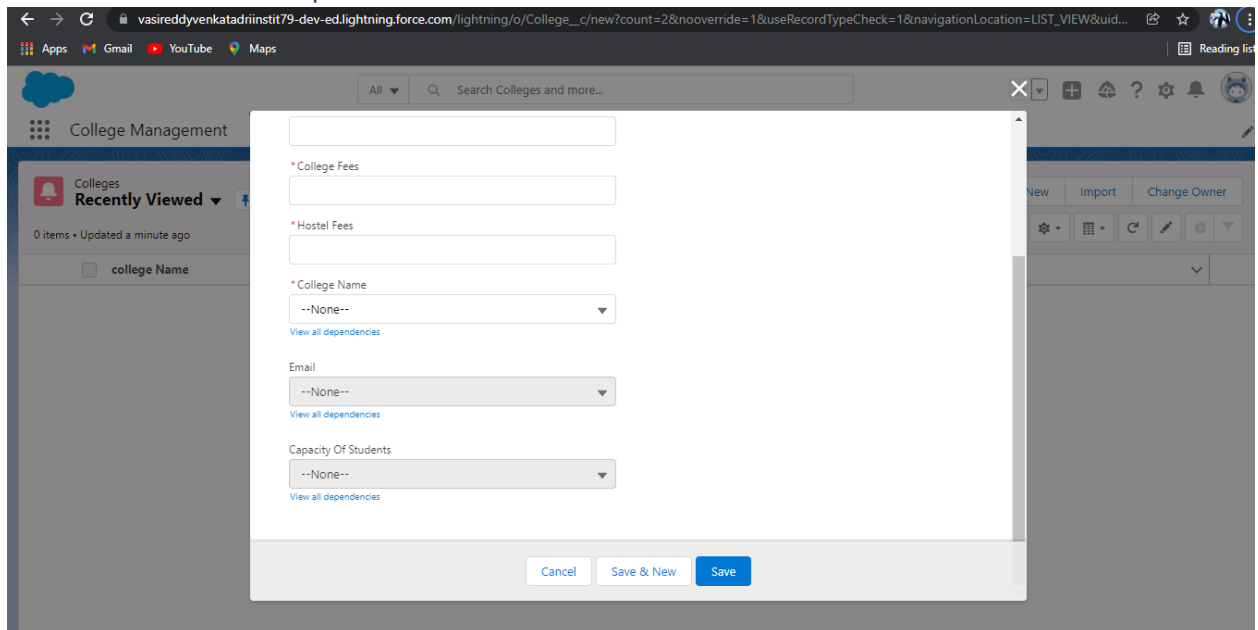


The screenshot shows the Salesforce Setup interface for 'Picklist Value Sets'. The left sidebar contains a search bar with 'picklist' and a navigation menu with 'Data' (Picklist Settings, State and Country/Territory, Picklists) and 'Objects and Fields' (Picklist Value Sets). The main content area is titled 'Picklist Value Sets' and includes a description: 'Global picklist value sets let you share the values across objects. Base custom picklist fields on a global value set to inherit its values. The value set is restricted so users can't add unapproved values through the API.' Below this is a 'View: All' dropdown and a 'Create New View' link. A table titled 'Global Value Sets' shows a list of value sets with columns for 'Action', 'Label', and 'Description'. The table contains three rows: 'College Name', 'Paper 1', and 'Paper 2', each with 'Edit' and 'Del' links. A 'Deleted Global Value Sets (0)' link is at the bottom. A 'New' button is located above the table. At the top right of the main content area, there is a 'Help for this Page' link.

Action	Label	Description
Edit Del	College Name	
Edit Del	Paper 1	
Edit Del	Paper 2	

[Deleted Global Value Sets \(0\)](#)

-Created Field dependencies



The screenshot shows the 'College Management' form in Salesforce. The form is titled 'College Management' and has a search bar with 'Search Colleges and more...'. The form contains several fields: 'College Fees', 'Hostel Fees', 'College Name', 'Email', and 'Capacity Of Students'. Each field has a 'View all dependencies' link below it. The 'College Name' field is currently set to '--None--'. The form also has a 'Cancel' button, a 'Save & New' button, and a 'Save' button. The background shows a 'Recently Viewed' list with 0 items and a 'college Name' filter.

DAY 4:-

-Created Validation rules

For college:

The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Validation Rules' and shows a table with one rule.

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Rule_1	Top of Page	Please take care of college name	✓	Akshaykumar Pathuri, 1/6/2022, 1:40 AM

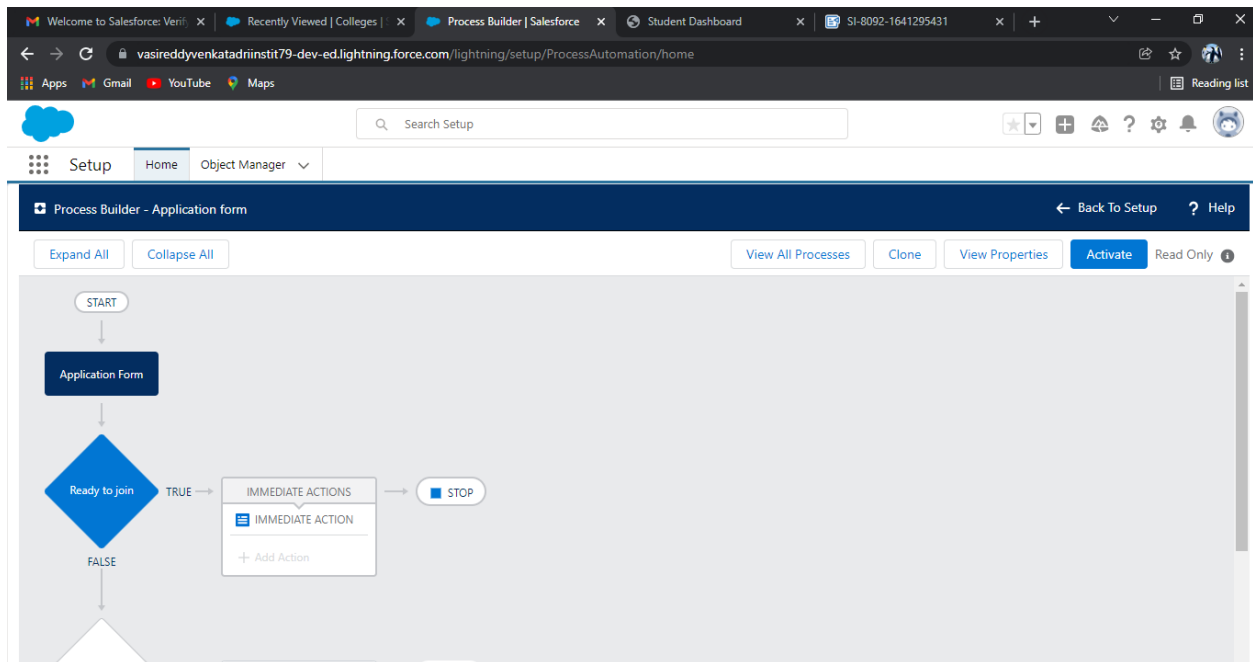
For Application form:

The screenshot shows the Salesforce Setup interface for the 'Application Form' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Validation Rules' and shows a table with one rule.

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Rule_1	Top of Page	Please care of all the details	✓	Akshaykumar Pathuri, 1/6/2022, 1:41 AM

DAY 5:-

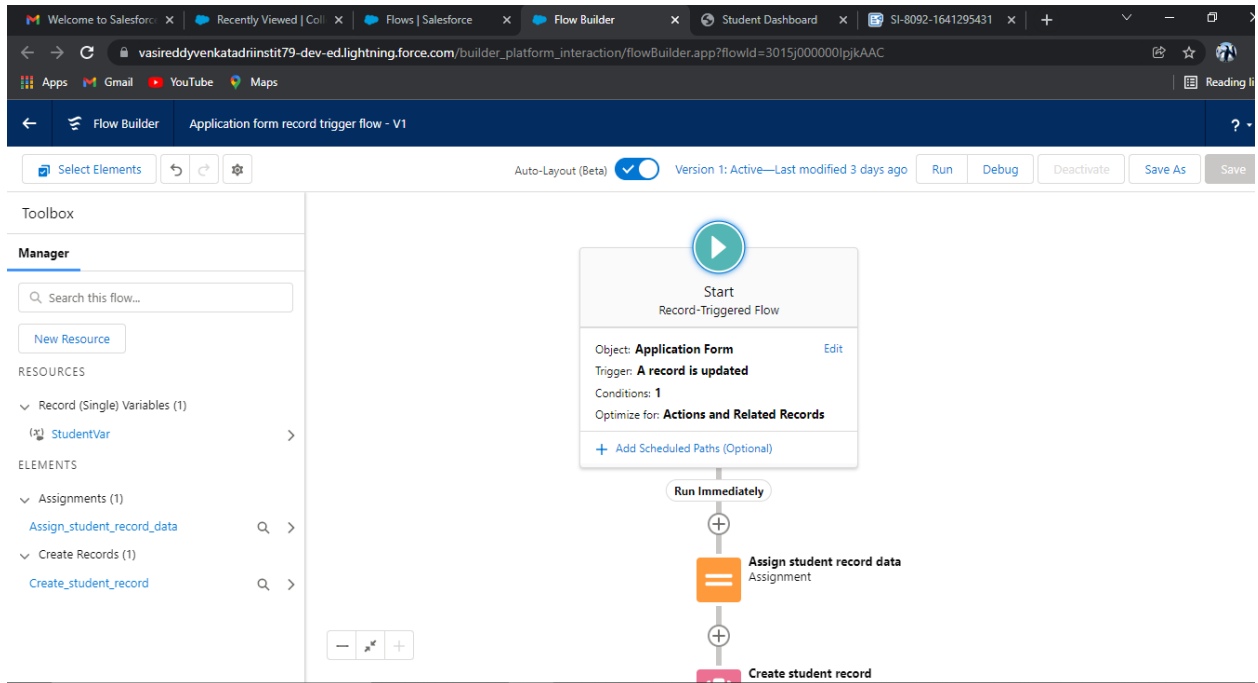
TOPIC:Process Automation



DAY 6:-

TOPIC:Create The Student Record Using Flow

Record trigger flow:



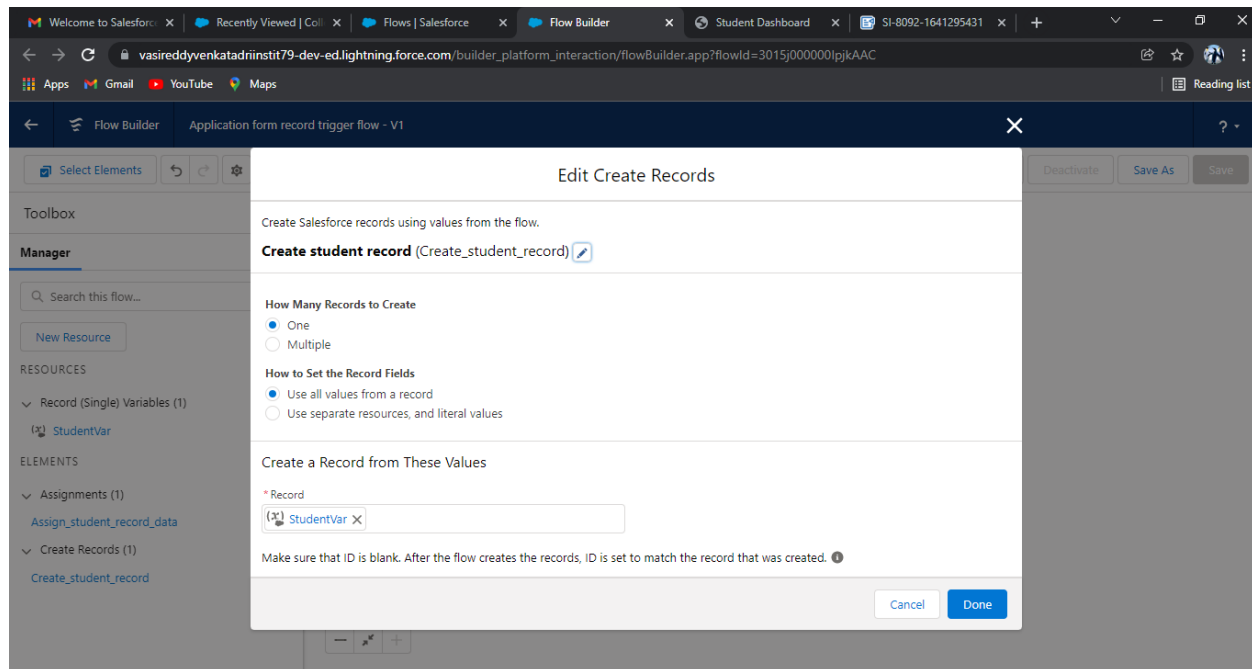
Application form record trigger flow:

The screenshot shows the 'Edit Assignment' dialog box in the Salesforce Flow Builder. The dialog is titled 'Edit Assignment' and contains a table of assignments for the 'Assign student record data' step. The table has three columns: Variable, Operator, and Value. The assignments are as follows:

Variable	Operator	Value
StudentVar > Application Form	Equals	\$Record > Record ID
StudentVar > College Name	Equals	\$Record > College
StudentVar > date of Birth	Equals	\$Record > date of Birth
StudentVar > Guardian Name	Equals	\$Record > Guardian Name
StudentVar > Phone	Equals	\$Record > Phone
StudentVar > Student Name	Equals	\$Record > Student Name

At the bottom of the dialog, there is a '+ Add Assignment' button and 'Cancel' and 'Done' buttons.

Created records:

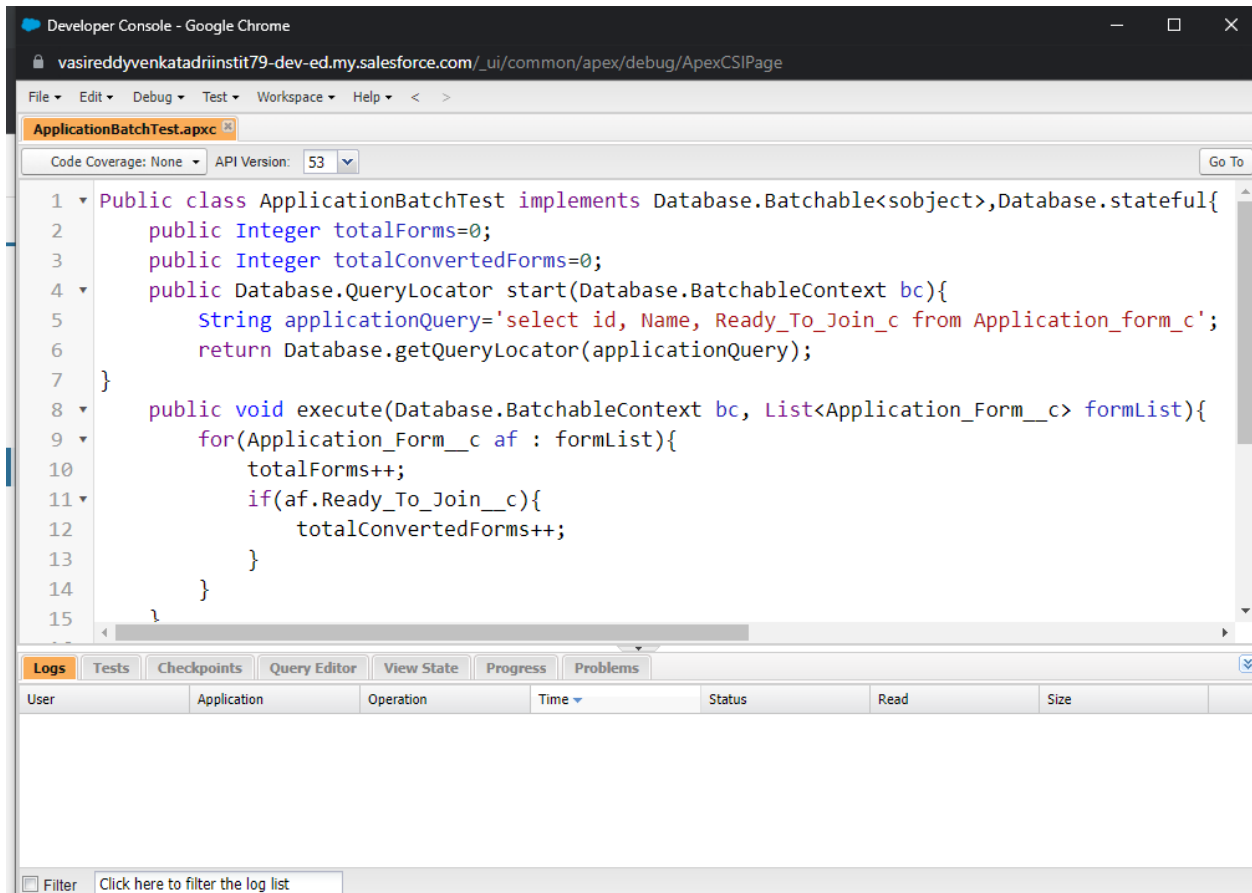


DAY 7:-

TOPIC: Batch Apex

Create A Batch apex For Application Form

Developer console for batch test-



The screenshot displays the Salesforce Developer Console interface. The top bar shows the browser title "Developer Console - Google Chrome" and the URL "vasireddyvenkatadriinsti79-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The menu bar includes "File", "Edit", "Debug", "Test", "Workspace", and "Help". The editor tab is titled "ApplicationBatchTest.apxc". Below the tab, the "Code Coverage" is set to "None" and the "API Version" is "53". The main editor area contains the following Apex code:

```
1 Public class ApplicationBatchTest implements Database.Batchable<subject>, Database.Stateful{
2     public Integer totalForms=0;
3     public Integer totalConvertedForms=0;
4     public Database.QueryLocator start(Database.BatchableContext bc){
5         String applicationQuery='select id, Name, Ready_To_Join_c from Application_form_c';
6         return Database.getQueryLocator(applicationQuery);
7     }
8     public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
9         for(Application_Form__c af : formList){
10             totalForms++;
11             if(af.Ready_To_Join__c){
12                 totalConvertedForms++;
13             }
14         }
15     }
16 }
```

At the bottom, the "Logs" tab is selected, showing a table with columns: "User", "Application", "Operation", "Time", "Status", "Read", and "Size". The table is currently empty. A "Filter" button and a link "Click here to filter the log list" are located at the bottom left of the logs panel.

Welcome to Salesforce: Verif... x Recently Viewed | Colleges | x Apex Classes | Salesforce x Student Dashboard x SI-8092-1641295431 x +

vasireddyvenkatadriinsti79-dev-ed.lightning.force.com/lightning/setup/ApexClasses/page?address=%2F01p5j00000Ax5kB%2Fe%3FretURL%3D%252Fsetup%252Fbuild%252...

Apps Gmail YouTube Maps

Search Setup

Setup Home Object Manager

apex

Email

Apex Exception Email

Custom Code

Apex Classes

Apex Settings

Apex Test Execution

Apex Test History

Apex Triggers

Environments

Jobs

Apex Flex Queue

Apex Jobs

Didn't find what you're looking for? Try using Global Search.

Apex Classes

```

1 public class ApplicationBatchTest implements Database.Batchable<Object>, Database.Stateful{
2     public Integer totalForms=0;
3     public Integer totalConvertedForms=0;
4     public Database.QueryLocator start(Database.BatchableContext bc){
5         String applicationQuery='select id, Name, Ready_To_Join_c from Application_form__c';
6         return Database.getQueryLocator(applicationQuery);
7     }
8     public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
9         for(Application_Form__c af : formList){
10             totalForms++;
11             if(af.Ready_To_Join_c){
12                 totalConvertedForms++;
13             }
14         }
15     }
16     public void finish(Database.BatchableContext bc){
17         Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
18         mail.setSubject(' Application form and student record data as of today ');
19         mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of which no of students as per to
20         String[] emailAddresses = new String[]{'akshaykumarpathuri@gmail.com'};
21         mail.setToAddresses(emailAddresses);
22         Messaging.sendEmail(new Messaging.SingleEmailMessage[] { mail } );
23     }
24 }

```

Welcome to Salesforce: Verif... x Recently Viewed | Colleges | x Apex Classes | Salesforce x Student Dashboard x SI-8092-1641295431 x +

vasireddyvenkatadriinsti79-dev-ed.lightning.force.com/lightning/setup/ApexClasses/page?address=%2F01p5j00000Ax5kB

Apps Gmail YouTube Maps

Search Setup

Setup Home Object Manager

apex

Email

Apex Exception Email

Custom Code

Apex Classes

Apex Settings

Apex Test Execution

Apex Test History

Apex Triggers

Environments

Jobs

Apex Flex Queue

Apex Jobs

Didn't find what you're looking for? Try using Global Search.

Apex Classes

Apex Class Detail

ApplicationBatchTest

Edit Delete Download Security Show Dependencies

Name	ApplicationBatchTest	Status	Active
Namespace Prefix		Code Coverage	0% (0/17)
Created By	Akshaykumar Pathuri, 1/13/2022, 8:22 AM	Last Modified By	Akshaykumar Pathuri, 1/14/2022, 9:18 AM

Class Body Class Summary Version Settings Trace Flags

```

1 public class ApplicationBatchTest implements Database.Batchable<Object>, Database.Stateful{
2     public Integer totalForms=0;
3     public Integer totalConvertedForms=0;
4     public Database.QueryLocator start(Database.BatchableContext bc){
5         String applicationQuery='select id, Name, Ready_To_Join_c from Application_form__c';
6         return Database.getQueryLocator(applicationQuery);
7     }
8     public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
9         for(Application_Form__c af : formList){
10             totalForms++;
11             if(af.Ready_To_Join_c){
12                 totalConvertedForms++;
13             }
14         }
15     }
16     public void finish(Database.BatchableContext bc){

```

DAY 8:-

TOPIC:Create A Scheduler Class

Developer console for schedule class -

The screenshot shows the Salesforce Developer Console in Google Chrome. The browser address bar displays the URL: `vasireddyvenkatadriinsti79-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The console has two tabs: `ApplicationBatchTest.apxc` and `applicationschedule.apxc`. The `applicationschedule.apxc` tab is active, showing the following Apex code:

```
1 public class applicationschedule implements Schedulable{
2     public void execute(SchedulableContext sc){
3         ApplicationBatchTest abt = new ApplicationBatchTest();
4         Database.executeBatch(abt, 400); // 200 to 2000
5     }
6
7 }
```

Below the code editor, there are tabs for `Logs`, `Tests`, `Checkpoints`, `Query Editor`, `View State`, `Progress`, and `Problems`. The `Logs` tab is selected, showing a table with columns: `User`, `Application`, `Operation`, `Time`, `Status`, `Read`, and `Size`. The table is currently empty. At the bottom of the logs section, there is a `Filter` button and a link that says `Click here to filter the log list`.

The screenshot shows the Salesforce Setup page for the `applicationschedule` Apex Class. The browser address bar displays the URL: `vasireddyvenkatadriinsti79-dev-ed.lightning.force.com/lightning/setup/ApexClasses/page?address=%2Fsetup%2Fbuild%2FeditApexClass.apexp%3Fid%3D01p5j00000AxyII...`. The page has a search bar at the top with the text `Search Setup`. On the left side, there is a navigation menu with the following items:

- Setup
- Home
- Object Manager

The `Setup` item is selected. Below the navigation menu, there is a search bar with the text `apex`. The search results show the following items:

- Email
 - Apex Exception Email
- Custom Code
 - Apex Classes
 - Apex Settings
 - Apex Test Execution
 - Apex Test History
 - Apex Triggers
- Environments
 - Jobs
 - Apex Flex Queue
 - Apex Jobs

The `Apex Classes` item is selected. The main content area shows the `applicationschedule` Apex Class. The page title is `Apex Classes`. Below the title, there is a section for `Apex Class Edit` with buttons for `Save`, `Quick Save`, and `Cancel`. The `Apex Class` tab is selected, showing the following Apex code:

```
1 public class applicationschedule implements Schedulable{
2     public void execute(SchedulableContext sc){
3         ApplicationBatchTest abt = new ApplicationBatchTest();
4         Database.executeBatch(abt, 400); // 200 to 2000
5     }
6
7 }
```

Now the batch apex classes are created as...

The screenshot shows the Salesforce Setup page for Apex Classes. The left sidebar contains a navigation menu with categories like Email, Custom Code, Environments, and Jobs. Under Custom Code, 'Apex Classes' is selected. The main content area is titled 'Apex Classes' and includes a description of Apex Code. A green status box indicates that 0.02% of the Apex limit is used. Below this, there is a table listing the Apex classes. The table has columns for Action, Name, Namespace Prefix, Api Version, Status, Size Without Comments, Last Modified By, and Has Trace Flags. Two classes are listed: 'ApplicationBatchTest' and 'ApplicationSchedule', both with namespace prefix 'Apex' and status 'Active'.

Apex Classes

Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.

Percent of Apex Used: 0.02%
You are currently using 1,454 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.

Estimate your organization's code coverage

Compile all classes

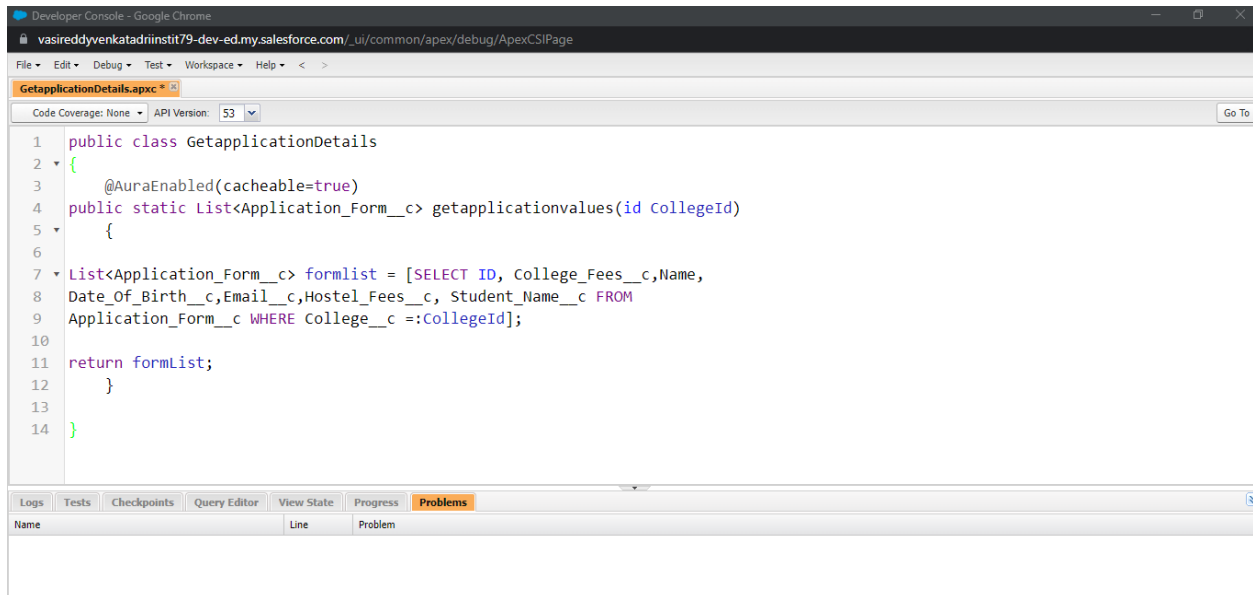
View: All Create New View

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	ApplicationBatchTest	Apex	53.0	Active	1,243	Akshaykumar Pathuri 1/16/2022, 9:11 AM	<input type="checkbox"/>
Edit Del Security	ApplicationSchedule	Apex	53.0	Active	211	Akshaykumar Pathuri 1/14/2022, 9:24 AM	<input type="checkbox"/>

DAY 9:-

TOPIC: LIGHTNING WEB COMPONENTS

-Created College DataTable Component(APEX CLASS)

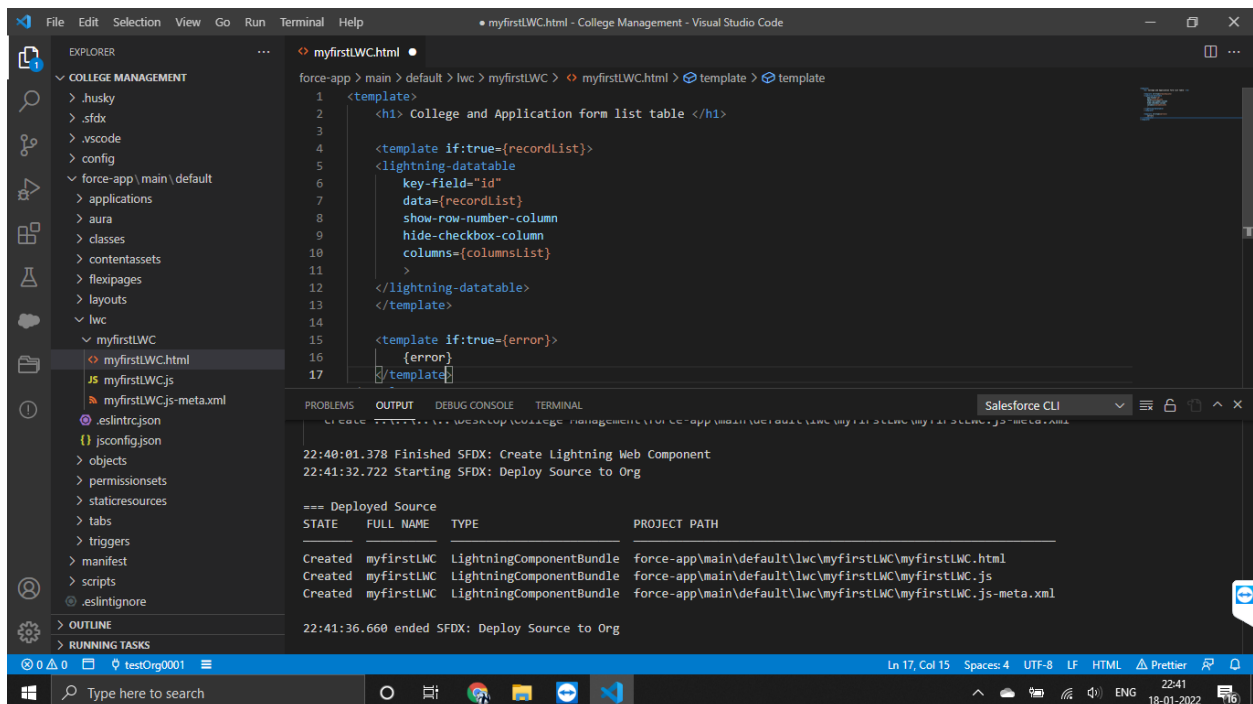


The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is `vasireddyvenkatadriinsti79-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The editor displays the following Apex class:

```
1 public class GetapplicationDetails
2 {
3     @AuraEnabled(cacheable=true)
4     public static List<Application_Form__c> getapplicationvalues(id CollegeId)
5     {
6
7         List<Application_Form__c> formlist = [SELECT ID, College_Fees__c, Name,
8         Date_Of_Birth__c, Email__c, Hostel_Fees__c, Student_Name__c FROM
9         Application_Form__c WHERE College__c =:CollegeId];
10
11     return formlist;
12 }
13
14 }
```

The bottom of the console shows tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is active, showing a table with columns Name, Line, and Problem.

-Created College DataTable Component (HTML FILE)



The screenshot shows Visual Studio Code with the file `myfirstLWC.html` open. The code is as follows:

```
1 <template>
2   <h1> College and Application form list table </h1>
3
4   <template if:true={recordList}>
5     <lightning-datatable
6       key-field="id"
7       data={recordList}
8       show-row-number-column
9       hide-checkbox-column
10      columns={columnsList}
11    >
12    </lightning-datatable>
13  </template>
14
15  <template if:true={error}>
16    {error}
17  </template>
```

The Explorer sidebar shows the project structure, including `myfirstLWC.html`, `myfirstLWC.js`, and `myfirstLWC.js-meta.xml`. The Output window shows the Salesforce CLI output:

```
22:40:01.378 Finished SFDX: Create Lightning Web Component
22:41:32.722 Starting SFDX: Deploy Source to Org

=== Deployed Source
STATE    FULL NAME                                TYPE                                PROJECT PATH
-----
Created  myfirstLWC                               LightningComponentBundle          force-app/main/default/lwc/myfirstLWC/myfirstLWC.html
Created  myfirstLWC                               LightningComponentBundle          force-app/main/default/lwc/myfirstLWC/myfirstLWC.js
Created  myfirstLWC                               LightningComponentBundle          force-app/main/default/lwc/myfirstLWC/myfirstLWC.js-meta.xml

22:41:36.660 ended SFDX: Deploy Source to Org
```

DAY 10:-

TOPIC:Lightning Web Components

-Created College DataTable Component(JAVA SCRIPT FILE)

force-app > main > default > lwc > myfirstLWC > JS myfirstLWC.js > CollegeDataTable > wiredCollegeData

```
1 import { LightningElement, api, wire } from 'lwc';
2 import getapplicationvalues
3 from '@salesforce/apex/GetapplicationDetails.getapplicationvalues';
4 export default class CollegeDataTable extends LightningElement {
5   columnslist = [
6     {label: 'Application Form', fieldName: 'Name', type:'text'},
7     {label: 'College Fees', fieldName: 'College_Fees__c', type:'currency'},
8     {label: 'Date Of Birth', fieldName: 'Date_Of_Birth__c', type:'date'},
9     {label: 'Email', fieldName: 'Email__c', type:'email'},
10    {label: 'Hostel Fees', fieldName: 'Hostel_Fees__c', type:'Currency'},
11    {label: 'StudentName', fieldName: 'Student_Name__c', type:'text'}
12  ];
13
14  @api recordId;
15  recordList;
16  error;
17
```

22:41:36.660 ended SFDX: Deploy Source to Org
22:43:07.86 Starting SFDX: Deploy Source to Org
22:43:10.317 ended SFDX: Deploy Source to Org

STATE	FULL NAME	TYPE	PROJECT PATH
Changed	myfirstLWC	LightningComponentBundle	force-app/main/default/lwc/myfirstLWC/myfirstLWC.html
Changed	myfirstLWC	LightningComponentBundle	force-app/main/default/lwc/myfirstLWC/myfirstLWC.js
Changed	myfirstLWC	LightningComponentBundle	force-app/main/default/lwc/myfirstLWC/myfirstLWC.js-meta.xml

Ln 25, Col 37 Spaces: 4 UTF-8 LF JavaScript Prettier 22:44 18-01-2022

-Created College DataTable Component(META FILE)

The screenshot displays the Visual Studio Code interface with the following components:

- EXPLORER:** Shows the project structure for 'COLLEGE MANAGEMENT'. The 'myfirstLWC' folder is expanded, showing 'myfirstLWC.html', 'myfirstLWC.js', and 'myfirstLWC.js-meta.xml'.
- EDITOR:** Displays the content of 'myfirstLWC.js-meta.xml' with the following XML code:

```
1 <?xml version="1.0"?>
2 <LightningComponentBundle
3   xmlns="http://soap.sforce.com/2006/04/metadata">
4   <apiVersion>51.0</apiVersion>
5   <isExposed>true</isExposed>
6   <targets>
7     <target>lightning_RecordPage</target>
8     <target>lightning_AppPage</target>
9     <target>lightning_HomePage</target>
10  </targets>
11 </LightningComponentBundle>
```
- TERMINAL:** Shows the output of the 'sfdx force:deploy:source' command. It indicates that the source was successfully deployed to the org. The output includes a table of deployed sources:

STATE	FULL NAME	TYPE	PROJECT PATH
Changed	myfirstLWC	LightningComponentBundle	force-app\main\default\lwc\myfirstLWC\myfirstLWC.html
Changed	myfirstLWC	LightningComponentBundle	force-app\main\default\lwc\myfirstLWC\myfirstLWC.js
Changed	myfirstLWC	LightningComponentBundle	force-app\main\default\lwc\myfirstLWC\myfirstLWC.js-meta.xml

The terminal also shows the command prompt 'force-app > main > default > lwc > myfirstLWC >' and the file path 'myfirstLWC.js-meta.xml'.