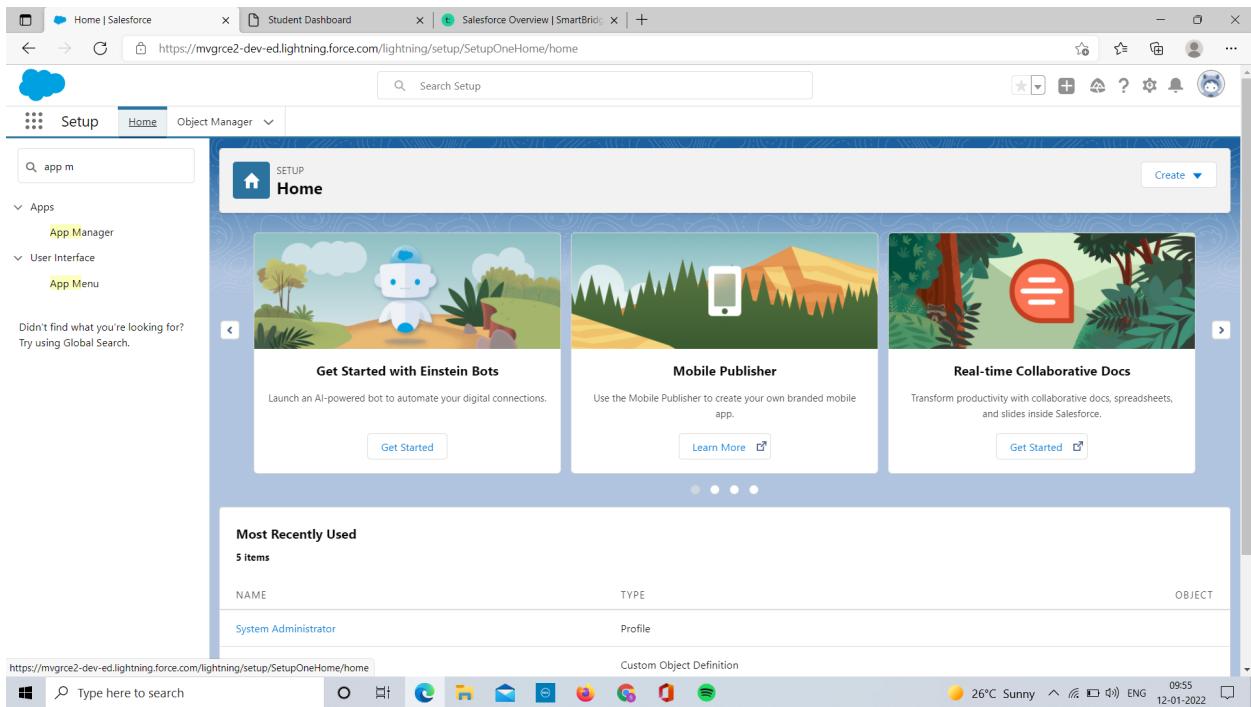


DAY1

I created the salesforce account.
My salesforce active account.



DAY2

Creating The Custom Objects For The Application

COLLEGE(Custom object)

The screenshot shows the Salesforce Setup interface with the 'Object Manager' tab selected. A search bar at the top right contains the text 'Search Setup'. Below the header, there are tabs for 'Setup', 'Home', and 'Object Manager'. The main content area displays the details for the 'College' custom object. On the left, a sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, and Triggers. The 'Details' tab is selected. The 'Description' section contains fields for API Name ('College__c'), Singular Label ('College'), and Plural Label ('Colleges'). The 'Enable Reports' section includes checkboxes for Track Activities, Track Field History, and Help Settings, all of which are checked. Deployment Status is set to 'Deployed'. The bottom right of the screen shows a taskbar with icons for various applications like Microsoft Word, Excel, and Edge, along with system status information: 27°C Mostly sunny, ENG, 12:40, and 12-01-2022.

APPLICATION FORM(Custom object)

The screenshot shows the Salesforce Setup interface with the 'Object Manager' tab selected. A search bar at the top right contains the text 'Search Setup'. Below the header, there are tabs for 'Setup', 'Home', and 'Object Manager'. The main content area displays the details for the 'Application Form' custom object. On the left, a sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, and Triggers. The 'Details' tab is selected. The 'Description' section contains fields for API Name ('Application_Form__c'), Singular Label ('Application Form'), and Plural Label ('Application Forms'). The 'Enable Reports' section includes checkboxes for Track Activities, Track Field History, and Help Settings, all of which are checked. Deployment Status is set to 'Deployed'. The bottom right of the screen shows a taskbar with icons for various applications like Microsoft Word, Excel, and Edge, along with system status information: 27°C Mostly sunny, ENG, 12:41, and 12-01-2022.

SUBJECT(Custom object)

The screenshot shows the Salesforce Setup interface with the URL <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002ho4/Details/view>. The page title is "Subject". The left sidebar lists various setup options like Fields & Relationships, Page Layouts, Lightning Record Pages, etc. The main "Details" section shows the following configuration:

Setting	Value
Description	
API Name	Subject_c
Custom	✓
Singular Label	Subject
Plural Label	Subjects
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

STUDENT(Custom object)

The screenshot shows the Salesforce Setup interface with the URL <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002hnz/Details/view>. The page title is "Student". The left sidebar lists various setup options like Fields & Relationships, Page Layouts, Lightning Record Pages, etc. The main "Details" section shows the following configuration:

Setting	Value
Description	
API Name	Student_c
Custom	✓
Singular Label	Student
Plural Label	Students
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

creating fields on Application form object

The screenshot shows the Salesforce Setup interface with the URL <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002ihnu/FieldsAndRelationships/view>. The page title is "Application Form". The left sidebar is expanded, showing sections like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, and Triggers. The main content area is titled "Fields & Relationships" and lists 15 items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Text Area(255)		
Application form id	Application_form_id_c	Auto Number		
Application Form Name	Name	Auto Number		✓
College	College_c	Master-Detail(College)		✓
College Fees	College_Fees_c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth_c	Date		
Email	Email_c	Email (Unique)		✓
Guardian Name	Guardian_Name_c	Text(30)		
Hostel Fees	Hostel_Fees_c	Formula (Currency)		

creating fields on student object

The screenshot shows the Salesforce Setup interface with the URL <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002ihnz/FieldsAndRelationships/view>. The page title is "Student". The left sidebar is expanded, showing sections like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, and Triggers. The main content area is titled "Fields & Relationships" and lists 10 items. The table columns are FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Text Area(255)		
Application Form	Application_Form_c	Lookup(Application Form)		✓
College Name	College_Name_c	Formula (Text)		
Created By	CreatedById	Lookup(User)		
Date Of Birth	Date_Of_Birth_c	Date		
Guardian Name	Guardian_Name_c	Text(30)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone_c	Phone		
Student Name	Name	Text(80)		✓

creating fields on college object

Screenshot of the Salesforce Setup interface showing the Fields & Relationships page for the 'College' object.

The page title is 'College | Salesforce' and the URL is <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002ihnp/FieldsAndRelationships/view>.

The sidebar on the left shows various setup categories under 'Fields & Relationships'.

The main table lists 10 items, sorted by Field Label:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity of students	Capacity_of_students_c	Picklist	College Name	
College Fees	College_Fees_c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
College Name	Name	Text(80)		
Created By	CreatedById	Lookup(User)		
Email	Email__c	Picklist	College Name	
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		
Record info	Record_info_c	Text(20)		

System status bar at the bottom: 27°C Mostly sunny 12:45 12-01-2022

creating fields on subject object

Screenshot of the Salesforce Setup interface showing the Fields & Relationships page for the 'Subject' object.

The page title is 'Subject | Salesforce' and the URL is <https://mvgrce2-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115g000002ihp4/FieldsAndRelationships/view>.

The sidebar on the left shows various setup categories under 'Fields & Relationships'.

The main table lists 8 items, sorted by Field Label:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		
Paper 1	Paper_1__c	Picklist		
Paper 2	Paper_2__c	Picklist		
Student	Student__c	Lookup(Student)		
Subject ID	Subject_ID__c	Auto Number		
Subject Name	Name	Text(80)		

System status bar at the bottom: 27°C Mostly sunny 12:46 12-01-2022

creating global picklist value sets

The screenshot shows the Salesforce Setup interface with the search bar containing "pickl". The main content area is titled "Picklist Value Sets" and displays a table of Global Value Sets. The table has columns for Action, Label, and Description. There are three entries: "Edit | Del College", "Edit | Del Paper1", and "Edit | Del Paper2". A link "Deleted Global Value Sets (0)" is also present. The top right corner of the page has a "Help for this Page" button.

creating field dependencies

The screenshot shows the Salesforce Setup interface with the search bar containing "College". The main content area is titled "College Field Dependencies" and displays a table of Field Dependencies. The table has columns for Action, Controlling Field, Dependent Field, and Modified By. There are two entries: "Edit | Del College Name" (Dependent Field: Email, Modified By: Lankalapalli Salkumar, 1/11/2022, 9:16 PM) and "Edit | Del College Name" (Dependent Field: Capacity of students, Modified By: Lankalapalli Salkumar, 1/11/2022, 9:16 PM). The top right corner of the page has a "Help for this Page" button.

creating validation rule on college object

The screenshot shows the Salesforce Setup interface for the College object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, and Triggers. The main area displays a table titled 'Validation Rules' with one item listed:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
similar_college_and_record_info	Top of Page	college name and record info should have the same name.	✓	Lankalapalli Saikumar, 1/11/2022, 9:19 PM

creating validation rule on application form object

The screenshot shows the Salesforce Setup interface for the Application Form object. On the left, a sidebar lists various configuration options. The main area displays a table titled 'Validation Rules' with one item listed:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
modification_on_the_application_form_0nc	Top of Page	No modification is allowed on the application form once a student record is created.	✓	Lankalapalli Saikumar, 1/11/2022, 9:22 PM

DAY3

schema builder

The screenshot shows the Salesforce Schema Builder interface. It displays four objects: College, Application Form, Student, and Subject. Relationships are shown as lines connecting fields from one object to fields in another. A legend indicates that blue lines represent Lookup Relationships, red lines represent Master-Detail Relationships, and red borders with a dot represent Required Fields.

- College:** Fields include Capacity of students (Picklist), College Fees (Currency(7, 2)), College Name (Text(80)), Created By (Lookup(User)), Email (Text), Hostel Fees (Currency(6, 2)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), and Record info (Text(20)).
- Application Form:** Fields include Address (Text Area(255)), Application form Id (Auto Number), Application Form Name (Auto Number), College (Master-Detail(College)), College Fees (Formula(Currency)), Created By (Lookup(User)), Date Of Birth (Date), Email (Email (Unique)), Guardian Name (Text(30)), Hostel Fees (Formula(Currency)), Last Modified By (Lookup(User)), Looking For Hostel Stay (Checkbox), Phone (Phone), Ready To Join (Checkbox), and Student Name (Text(30)).
- Student:** Fields include Address (Text Area(255)), Application Form (Lookup(Application Form)), College Name (Formula(Text)), Created By (Lookup(User)), Date Of Birth (Date), Email (Email (Unique)), Guardian Name (Text(30)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), Phone (Phone), and Student Name (Text(80)).
- Subject:** Fields include Created By (Lookup(User)), Last Modified By (Lookup(User)), Owner (Lookup(User+1)), Paper 1 (Picklist), Paper 2 (Picklist), Student (Lookup(Student)), Subject ID (Auto Number), and Subject Name (Text(80)).

my list view

The screenshot shows the Salesforce list view for Application Forms. The page title is "my list view". The list displays 5 items, sorted by Application Form Name. The columns are Application Form Name, College, Student Name, Ready To Join, and Email. The filters sidebar shows a single filter: "Filter by Owner: My application forms".

	Application Form Name	College	Student Name	Ready To Join	Email
1	form-000001	MIT-DEL	hani	<input checked="" type="checkbox"/>	hani@han.com
2	form-000002	MIT-DEL	delhi	<input checked="" type="checkbox"/>	del@del.com
3	form-000003	MIT-MUM	meera	<input checked="" type="checkbox"/>	mum@mum.com
4	form-000004	MIT-CCU	den	<input checked="" type="checkbox"/>	kol@kol.com
5	form-000005	MIT-MAA	mccl	<input checked="" type="checkbox"/>	dr@sr.com

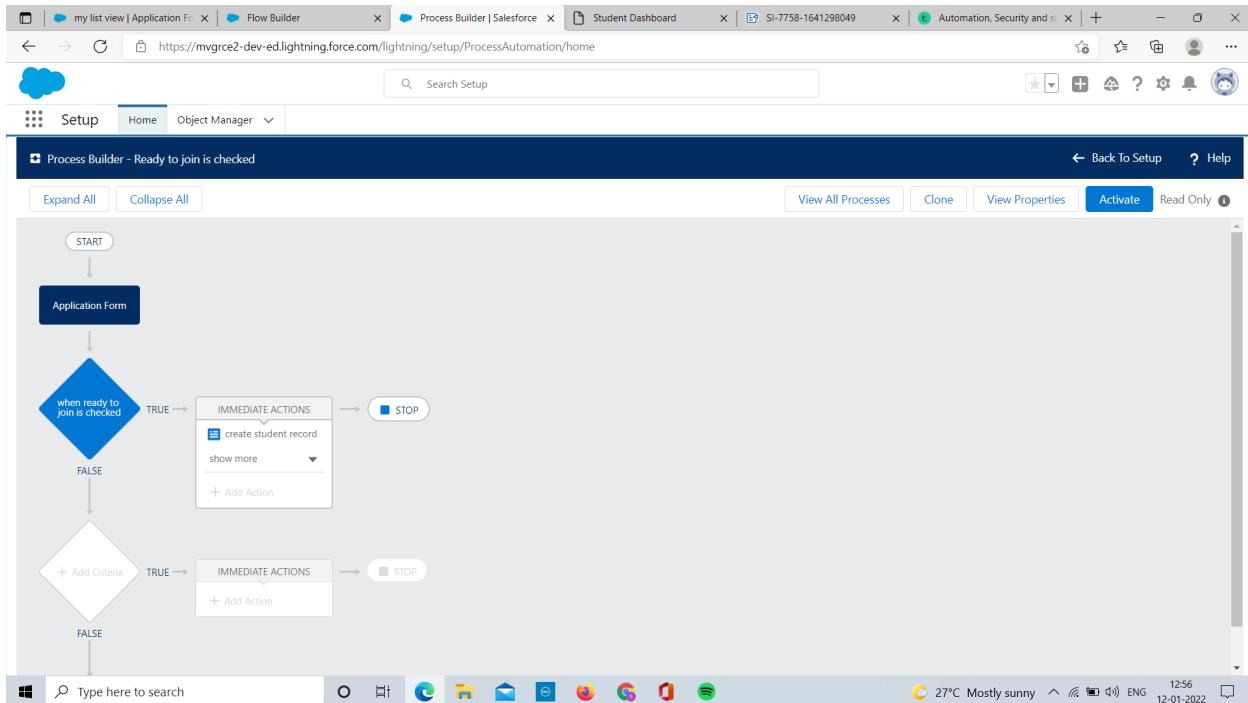
creating a profile

The screenshot shows the Salesforce Setup interface. On the left, there is a navigation sidebar with various categories like Users, Data, Feature Settings, Marketing, Sales, and Service. Under the 'Users' category, 'Profiles' is selected. The main content area is titled 'Clone Profile' and contains a message: 'You must select an existing profile to clone from.' A dropdown menu labeled 'Existing Profile' has 'System Administrator' selected. Below it, 'User License' is set to 'Salesforce' and 'Profile Name' is set to 'Tester'. At the bottom are 'Save' and 'Cancel' buttons.

Creating a record-type for account object

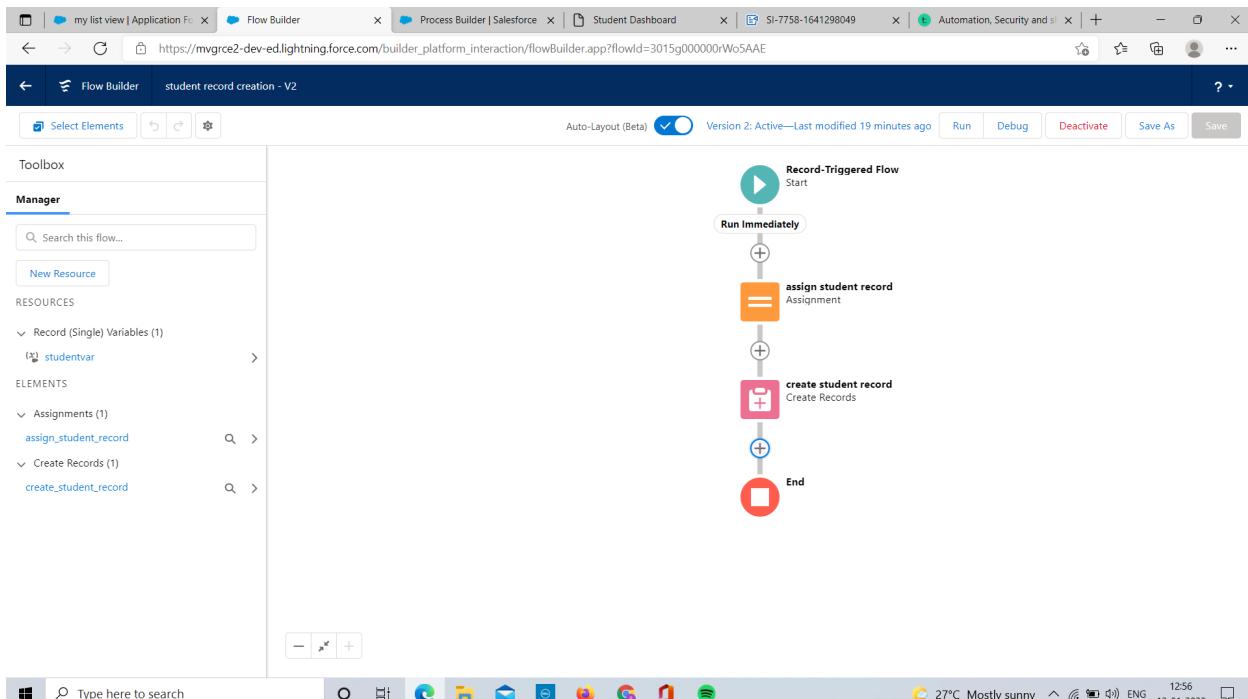
The screenshot shows the Salesforce interface for creating a new account. The top navigation bar includes tabs for Student Dashboard, Profiles, Recordtypes, SI-7758-1641298049, Create and Edit Aura, my list view | Application, New Account | Sales, College Management, and others. The main content area shows a list of accounts under 'Recently Viewed'. A modal dialog box is open, titled 'New Account', with the sub-titel 'Select a record type'. It contains two radio buttons: 'Business Account' (selected) and 'Savings Account'. At the bottom of the dialog are 'Cancel' and 'Next' buttons.

creating a process builder to automate student record creation when ready to join field is checked



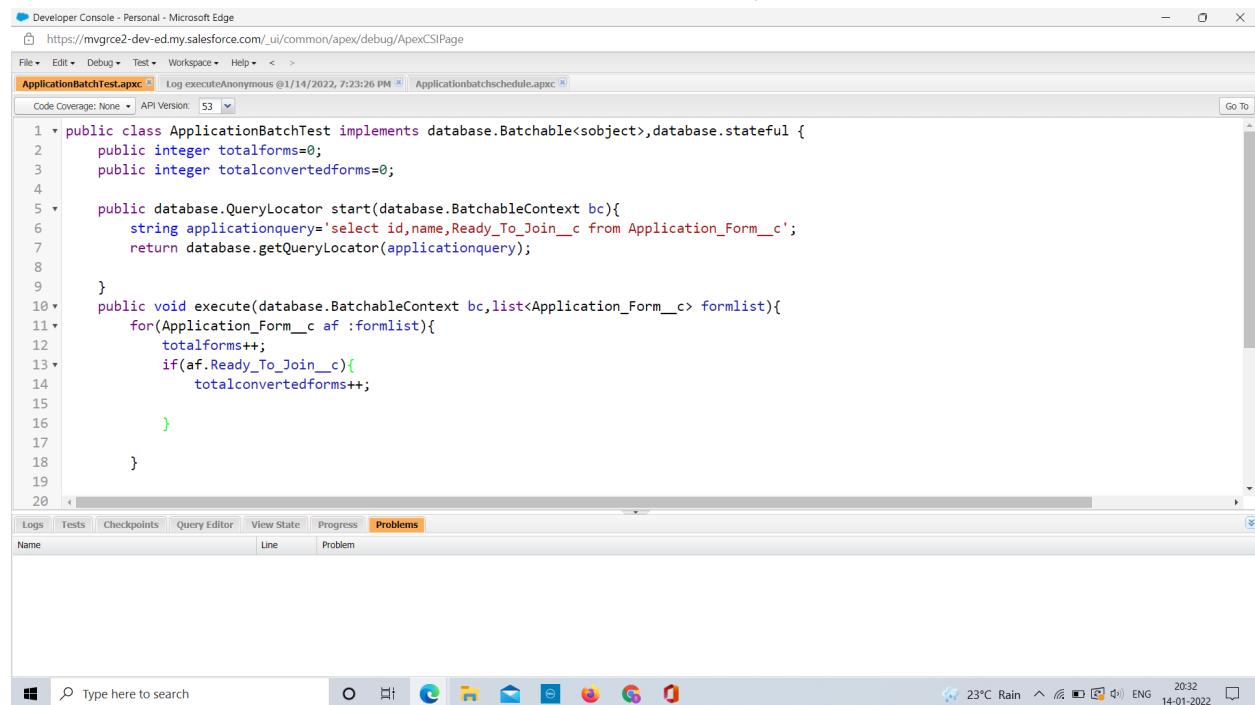
DAY4

Build a flow to create student record when ready to join field is set true



DAY5

creating a batch apex for application form object

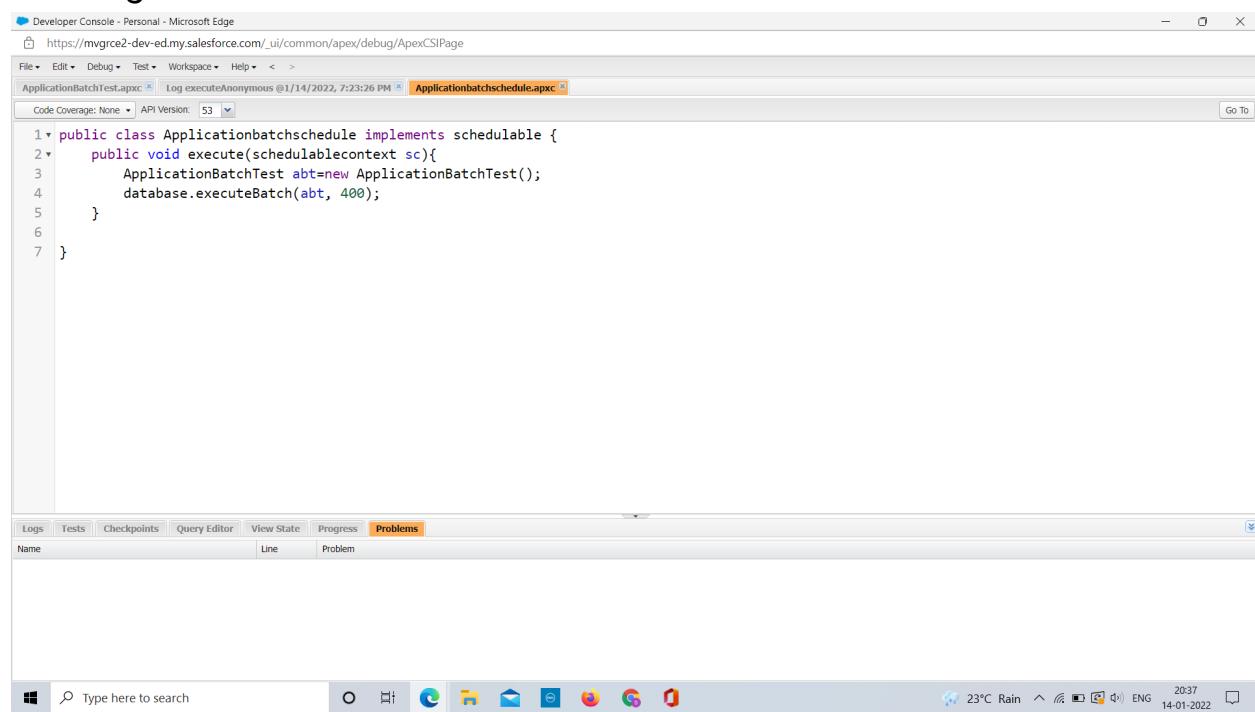


The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Personal - Microsoft Edge". The URL is "https://mvgrce2-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The tab bar shows "ApplicationBatchTest.apxc" is active. The code editor contains the following Apex class:

```
1 public class ApplicationBatchTest implements database.Batchable<sobject>,database.stateful {
2     public integer totalforms=0;
3     public integer totalconvertedforms=0;
4
5     public database.QueryLocator start(database.BatchableContext bc){
6         string applicationquery='select id,name,Ready_To_Join__c from Application_Form__c';
7         return database.getQueryLocator(applicationquery);
8     }
9
10    public void execute(database.BatchableContext bc,list<Application_Form__c> formlist){
11        for(Application_Form__c af :formlist){
12            totalforms++;
13            if(af.Ready_To_Join__c){
14                totalconvertedforms++;
15            }
16        }
17    }
18
19 }
```

The code editor has tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is selected. Below the code editor is a search bar and a toolbar with various icons. At the bottom right, there is a status bar showing "23°C Rain" and the date "14-01-2022".

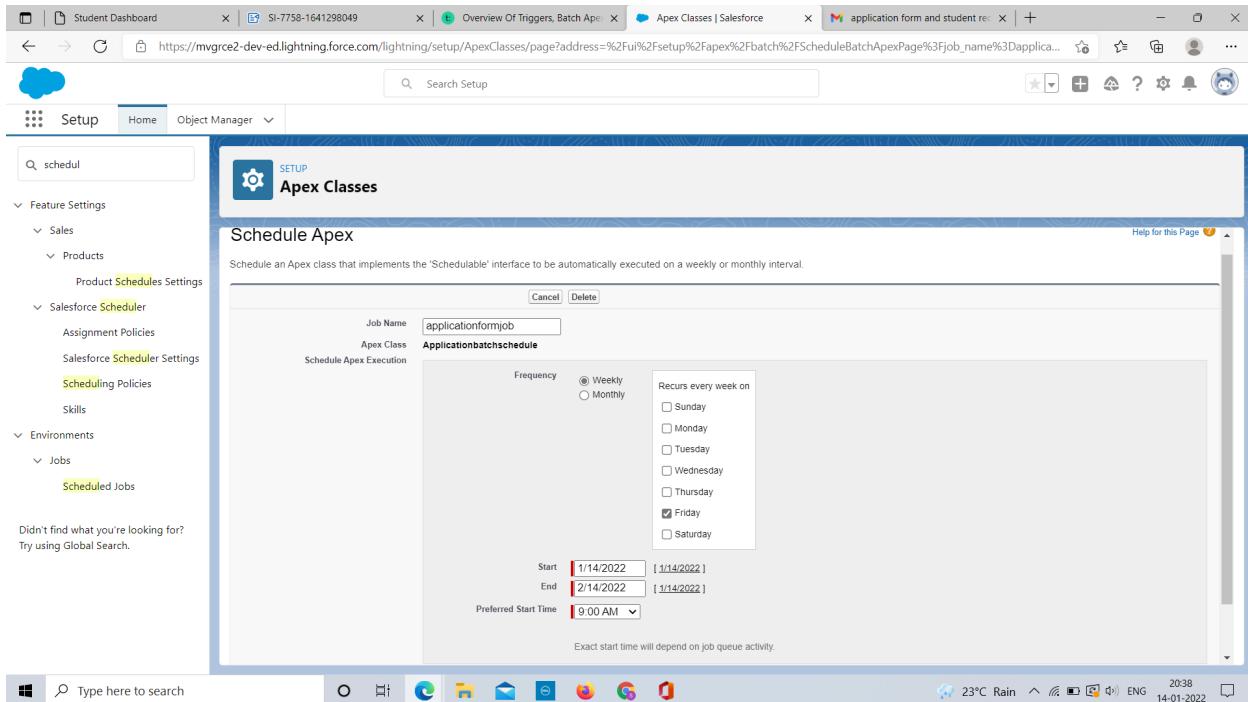
creating a scheduler class



The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Personal - Microsoft Edge". The URL is "https://mvgrce2-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The tab bar shows "Applicationbatchschedule.apxc" is active. The code editor contains the following Apex class:

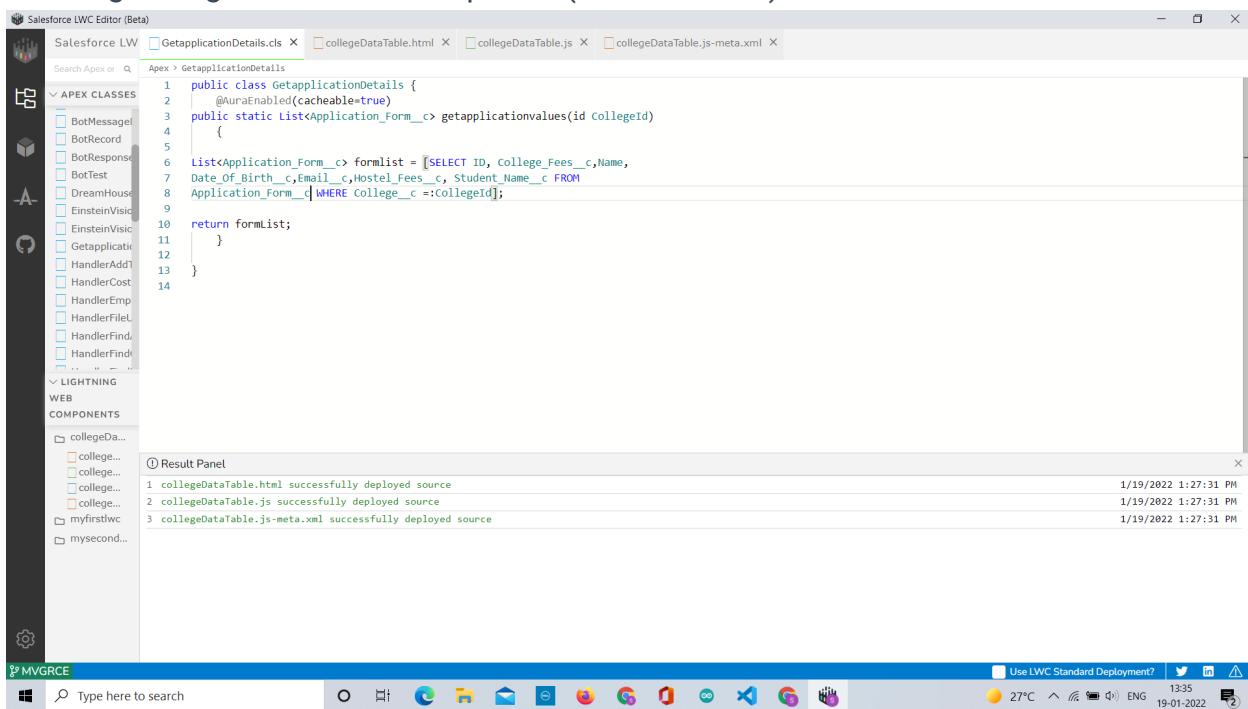
```
1 public class Applicationbatchschedule implements schedulable {
2     public void execute(schedulablecontext sc){
3         ApplicationBatchTest abt=new ApplicationBatchTest();
4         database.executeBatch(abt, 400);
5     }
6
7 }
```

The code editor has tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and problems. The problems tab is selected. Below the code editor is a search bar and a toolbar with various icons. At the bottom right, there is a status bar showing "23°C Rain" and the date "14-01-2022".



DAY6

Creating College DataTable Component(APEX CLASS)



Creating College DataTable Component (HTML FILE)

The screenshot shows the Salesforce LWC Editor interface. The top navigation bar includes tabs for 'GetapplicationDetails.cls', 'collegeDataTable.html' (which is the active tab), 'collegeDataTable.js', and 'collegeDataTable.js-meta.xml'. The left sidebar lists 'APEX CLASSES' and 'LIGHTNING WEB COMPONENTS' sections, with 'collegeData...' and 'myfirstwc' components under 'WEB COMPONENTS'. The main code editor contains the following HTML template:

```
<template>
    <h1> College and Application form list table </h1>
    <template if:true={recordList}>
        <lightning-datatable
            key-field="id"
            data={recordList}
            show-row-number-column
            hide-checkbox-column
            columns={columnList}
        >
        </lightning-datatable>
    </template>
    <template if:true={error}>
        {error}
    </template>
</template>
```

The 'Result Panel' at the bottom shows deployment logs:

```
1 collegeDataTable.html successfully deployed source 1/19/2022 1:27:31 PM
2 collegeDataTable.js successfully deployed source 1/19/2022 1:27:31 PM
3 collegeDataTable.js-meta.xml successfully deployed source 1/19/2022 1:27:31 PM
```

The system tray at the bottom right indicates it's 27°C, ENG, and the date is 19-01-2022.

Creating College DataTable Component(JAVA SCRIPT FILE)

The screenshot shows the Salesforce LWC Editor interface. The top navigation bar includes tabs for 'GetapplicationDetails.cls', 'collegeDataTable.html', 'collegeDataTable.js' (which is the active tab), and 'collegeDataTable.js-meta.xml'. The left sidebar lists 'APEX CLASSES' and 'LIGHTNING WEB COMPONENTS' sections, with 'collegeData...' and 'myfirstwc' components under 'WEB COMPONENTS'. The main code editor contains the following JavaScript code:

```
import { LightningElement, api, wire } from 'lwc';
import getapplicationvalues from '@salesforce/apex/GetapplicationDetails.getapplicationvalues';
export default class collegeDataTable extends LightningElement {
    columnsList = [
        {label : 'Application Form' , fieldName : 'Name', type:'text' },
        {label : 'College Fees' , fieldName : 'College_Fees__c', type:'currency' },
        {label : 'Date of Birth' , fieldName : 'Date_of_Birth__c', type:'date' },
        {label : 'Email' , fieldName : 'Email__c', type:'email' },
        {label : 'Hostel Fees' , fieldName : 'Hostel_Fees__c', type:'currency' },
        {label : 'Student Name' , fieldName : 'Student_Name__c', type:'text' }
    ];
    @api recordId;
    recordList;
    error;
    @wire(getapplicationvalues, {CollegeId : '$recordId'})
    wiredcollegeData({data, error}){
        if(data){
            this.recordList = data;
        }
        else if(error){
            this.error = error;
            this.recordList = undefined;
        }
    }
}
```

The 'Result Panel' at the bottom shows deployment logs:

```
1 collegeDataTable.html successfully deployed source 1/19/2022 1:27:31 PM
2 collegeDataTable.js successfully deployed source 1/19/2022 1:27:31 PM
3 collegeDataTable.js-meta.xml successfully deployed source 1/19/2022 1:27:31 PM
```

The system tray at the bottom right indicates it's 27°C, ENG, and the date is 19-01-2022.

Creating College DataTable Component(META.XML FILE)

```

<?xml version="1.0"?>
<LightningComponentBundle xmlns="http://soap.sforce.com/2006/04/metadata">
    <apiVersion>51.0</apiVersion>
    <isExposed>true</isExposed>
    <targets>
        <target>lightning__RecordPage</target>
        <target>lightning__AppPage</target>
        <target>lightning__HomePage</target>
    </targets>
</LightningComponentBundle>

```

Result Panel:

- collegeDataTable.html successfully deployed source 1/19/2022 1:27:31 PM
- collegeDataTable.js successfully deployed source 1/19/2022 1:27:31 PM
- collegeDataTable.js-meta.xml successfully deployed source 1/19/2022 1:27:31 PM

Adding DataTable tab to colleges page

Application Form	College Fees	Date Of Birth	Email	Hostel Fees	StudentName
1 form-000001	\$11,000.00	Apr 28, 2020	hani@han.com	13000	hani
2 form-000006	\$11,000.00	Dec 31, 2002	ghy@wer.com	13000	spin
3 form-000002	\$11,000.00	Jan 1, 2003	del@del.com	13000	delhi

Activity:

- New Event
- New Task
- Log a Call
- Email

Filters: All time • All activities • All types

No next steps.
To get things moving, add a task or set up a meeting.

No past activity. Past meetings and tasks marked as done show up here.

