

## DAY 1:

**Topic:** Create Your Salesforce Developer Org To Get Started

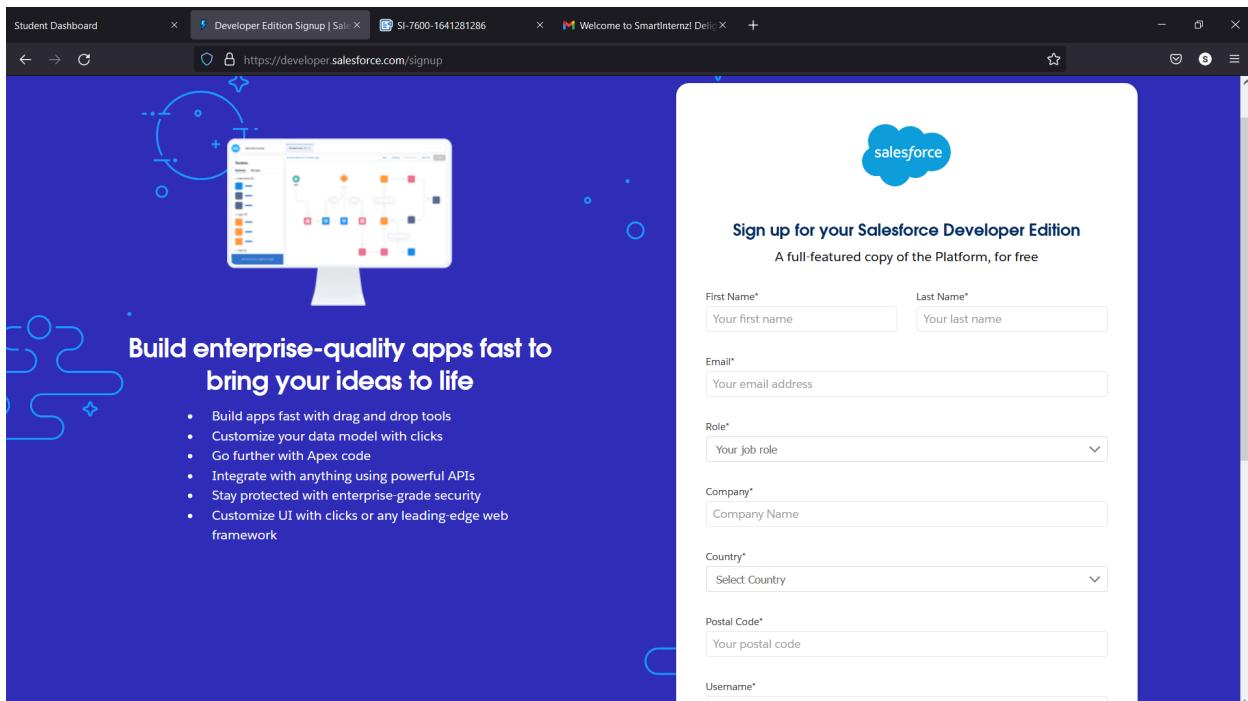
### Milestone / Activities:

- Creating Developer Account
- Account Activation
- Login To Your Salesforce Account

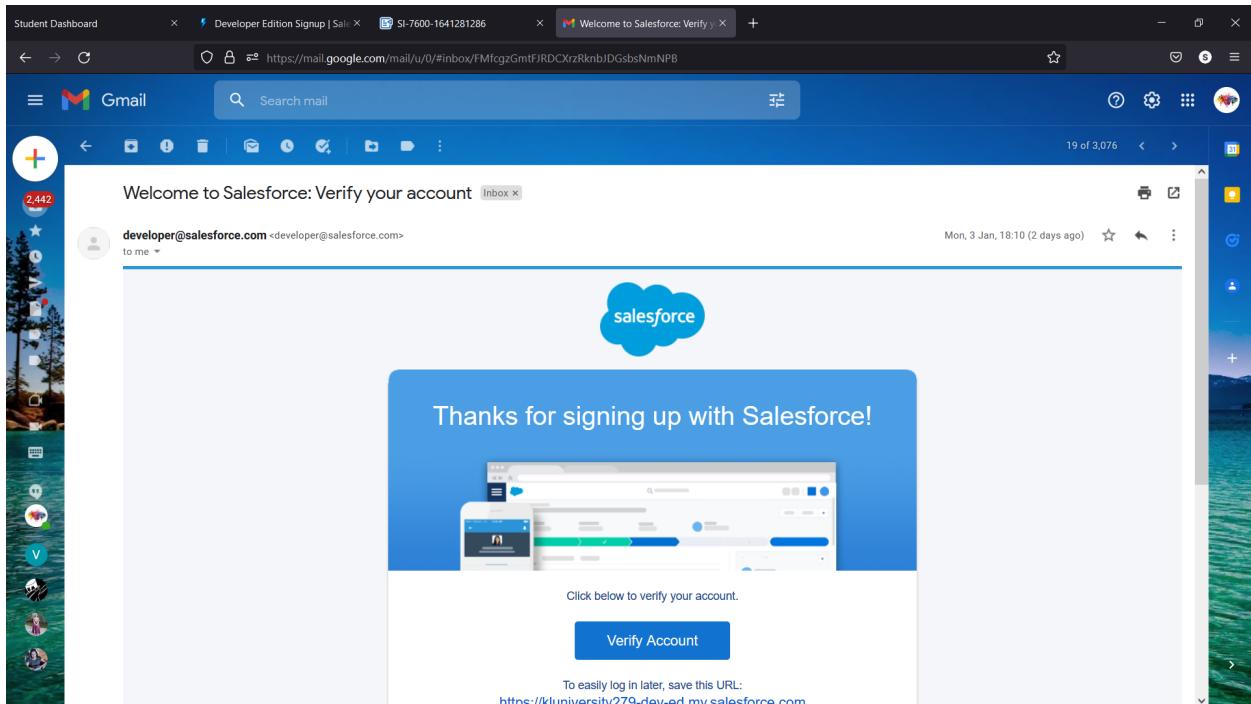
### DESCRIPTION:

- Firstly signup to developer salesforce org.
- Click on signup enter the details given and then submit the signup details
- After signup the mail is send to your gmail account.
- Open your gmail account and verify your developer account for activation.
- After activation of developer account login to the salesforce org

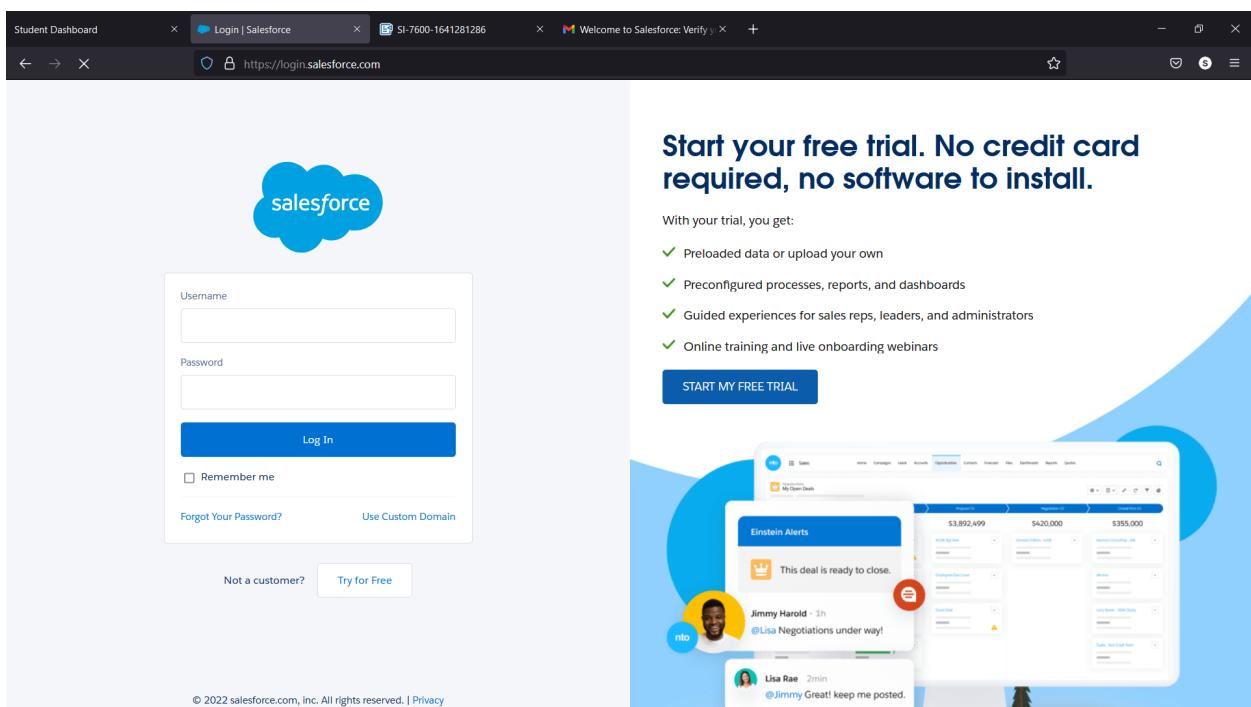
### Creating Developer Account:

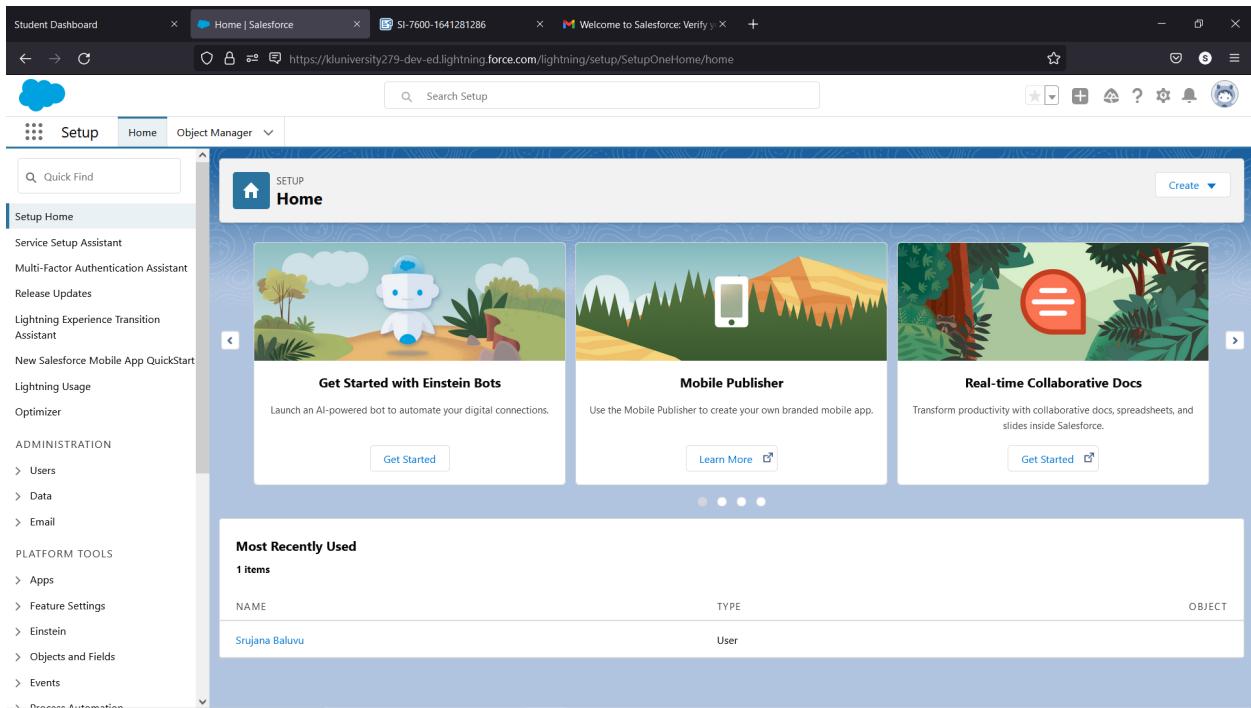


## Account Activation:



## Login To Your Salesforce Account:





## Day 2:

**Topic:** Custom Object Creation

### Milestone / Activities:

- Create The Custom Objects For The Application
- Create Fields On College Object
- Create Fields On Application Form Object
- Create Fields On Student Object
- Create Fields On Subject Object

**Detailed Description:** First I have created the custom objects then after I created all the fields in College, Application form, Student and Subject objects according to the project details. Upload the Screenshot the Milestone / Activities

## Upload the Screenshot the Milestone / Activities :

This screenshot shows the Salesforce Object Manager interface for the 'College' object. The left sidebar lists various setup options like Page Layouts, Lightning Record Pages, and Field Sets. The main content area displays a table titled 'Fields & Relationships' with 10 items. The columns include Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields shown are Capacity Of Students, College Fees, College Name, Created By, Email, Hostel Fees, Last Modified By, Owner, and Record Info.

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(200)		

This screenshot shows the Salesforce Object Manager interface for the 'Application Form' object. The left sidebar lists various setup options. The main content area displays a table titled 'Fields & Relationships' with 14 items. The columns include Field Label, Field Name, Data Type, Controlling Field, and Indexed status. Key fields shown are Address, Application Form ID, Application Form Name, College, College Fees, Created By, date of Birth, Email, Guardian Name, and Last Modified By.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Text(255)		
Application Form ID	Application_Form_ID_c	Auto Number		
Application Form Name	Name	Text(80)		
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		
Guardian Name	Guardian_Name_c	Text(30)		
Last Modified By	LastModifiedById	Lookup(User)		

Student Dashboard | SI-7859-1641289171 | Student | Salesforce | Recently Viewed | Subjects | Sales...

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER Student

**Fields & Relationships**  
10 items. Sorted by Field Label

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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 Triggers Validation Rules

ENG IN 21:37 05-01-2022

Student Dashboard | SI-7859-1641289171 | Subjects | Salesforce | Recently Viewed | Subjects | Sales...

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER Subjects

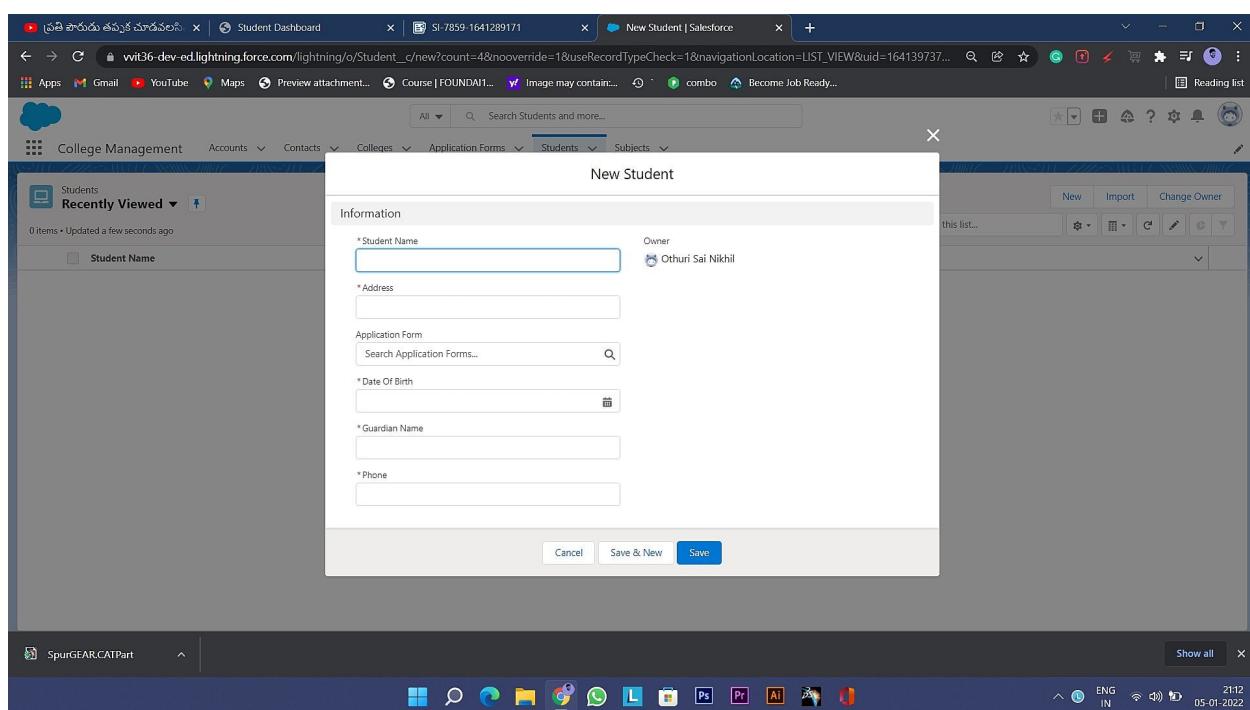
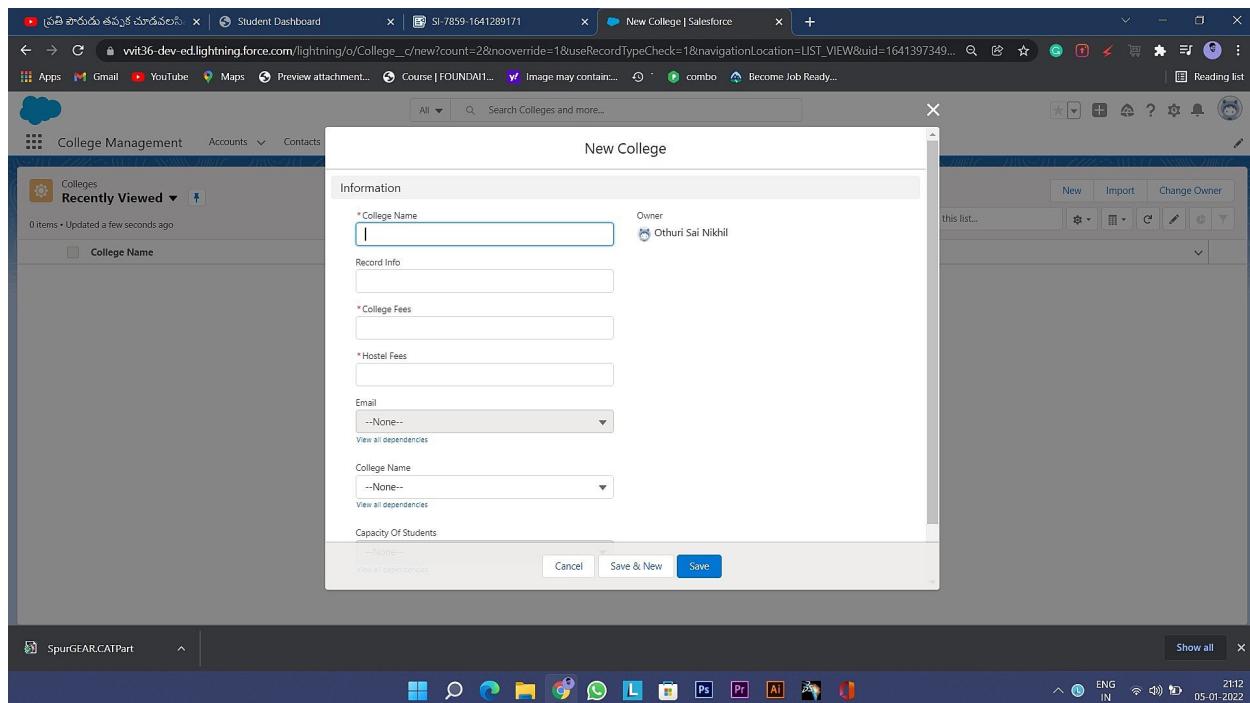
**Fields & Relationships**  
8 items. Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		✓
Last Modified By	LastModifiedBy	Lookup(User)		✓
Owner	OwnerId	Lookup(User,Group)		✓
Paper 1	Paper_1_c	Picklist		✓
Paper 2	APEx_JAVA_C_C_c	Picklist		✓
Student	Student_c	Lookup(Student)		✓
Subject ID	Subject_ID_c	Auto Number		✓
Subjects Name	Name	Text(80)		✓

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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 Triggers Validation Rules

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## Day 3:

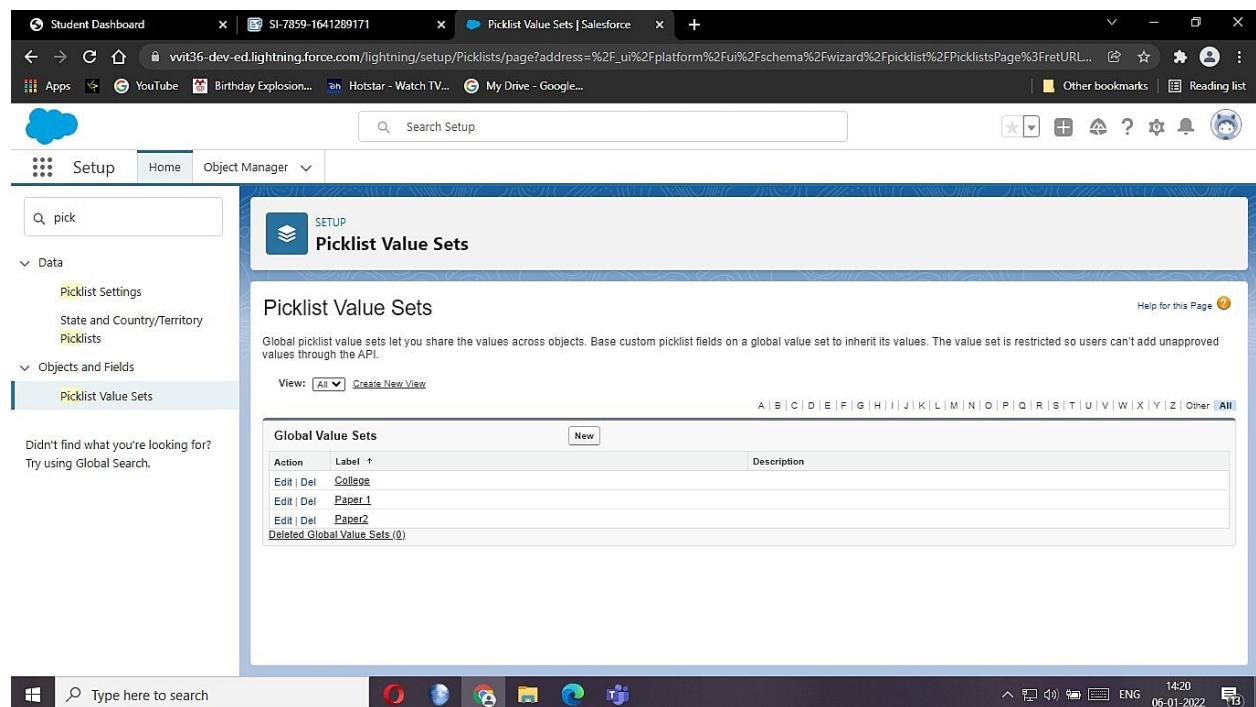
**Topic:** Adding Business Logic To Application

### Milestone / Activities:

- Creating Global Picklist Value Sets
- Creating Field Dependencies

**Detailed Description:** First I have created global picklist value sets Setup>Quick Find box>picklist value sets>new then I have created field dependencies ,setup>object manager>college>field and relationship>field dependencies>new then I have created validation rule , setup>object manager >college>validation rule>new

### Upload the Screenshot the Milestone / Activities :



The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar lists various setup options under 'Fields & Relationships'. The main content area is titled 'College Field Dependencies' and describes how to define dependencies between fields. A table lists existing dependencies:

Action	Controlling Field	Dependent Field	Modified By
Edit   Del	College Name	Email	Othuri Sai Nikhil 1/5/2022, 3:34 AM
Edit   Del	College Name	Capacity Of Students	Othuri Sai Nikhil 1/5/2022, 3:34 AM

## Day 4:

**Topic:** Adding Business Logic To Application

### Milestone / Activities:

- Creating Validation Rules
- Process Automation
- Create The Student Record Using Flow

### Detailed Description:

- First Create a validation rule on the College object and create a validation rule
- Create a validation rule on the application form
- First we create a Student Reporttype and then add the validation rule
- Go to Setup -> select "Process Builder" from quick findAnd next click on NEW
- Create a Process Builder on the "Application Form"next click on Ready to join and in adjacent box click on Immediate action and select create a record on the student object and set field valuesfor Student type

## Upload the Screenshot the Milestone / Activities :

The screenshot shows the Salesforce Setup interface for the 'Object Manager' under the 'College' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area displays a table titled 'Validation Rules' with one item: 'validation\_rule\_one'.

Rule Name	Error Location	Error Message	Active	Modified By
validation_rule_one	Top of Page	Error	✓	Othuri Sai Nikhil, 1/6/2022, 7:26 PM

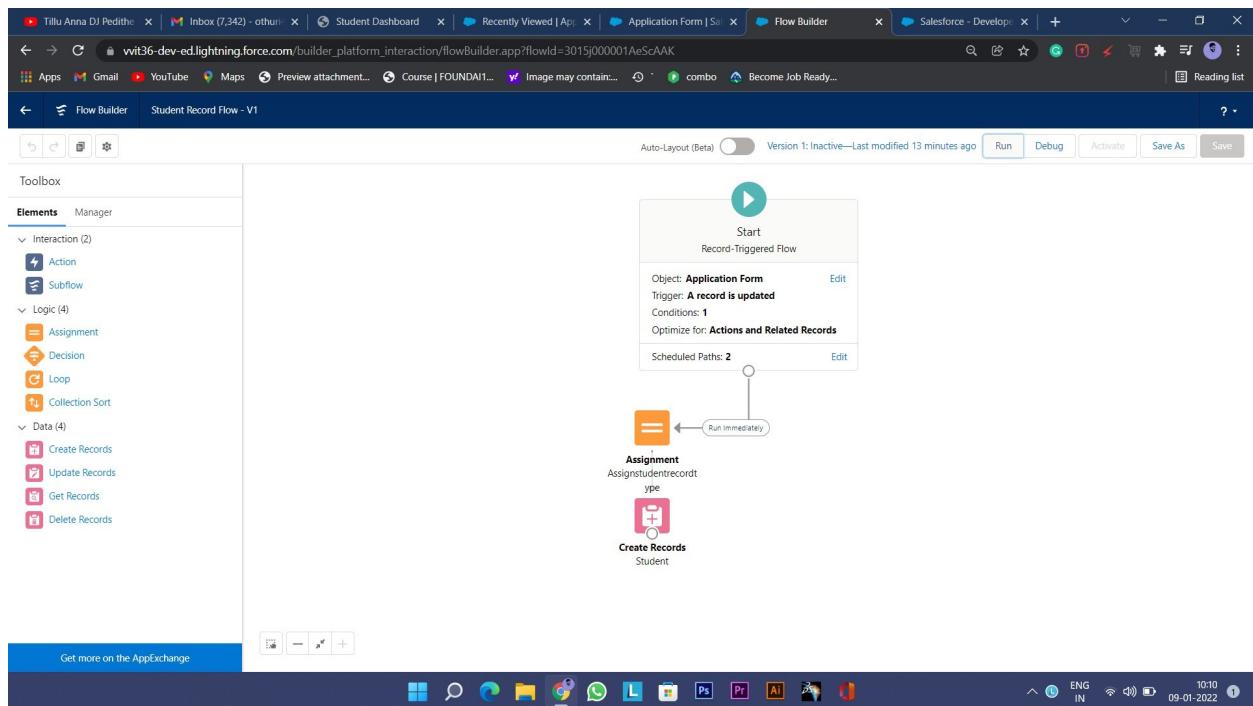
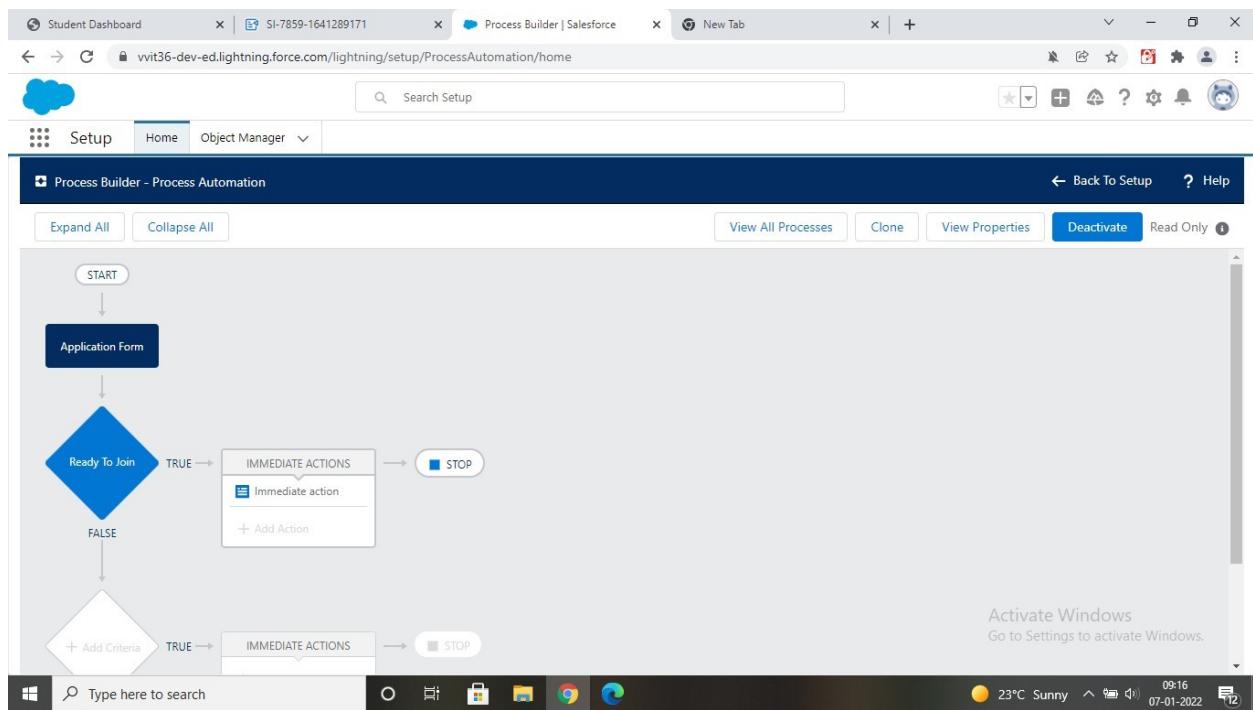
At the bottom right of the page, there is a message: 'Activate Windows' and 'Go to Settings to activate Windows.'

The screenshot shows the Salesforce Setup interface for the 'Object Manager' under the 'Application Form' object. The left sidebar lists various setup categories. The main content area shows the 'Validation Rule Edit' screen for creating a new rule named 'validation\_rule\_for\_application\_form'. The 'Error Condition Formula' field contains the following formula:

```
AND( Ready_To_Join_c == true,  
OR(  
ISCHANGED( Address_c ),  
ISCHANGED( College_c ),  
ISCHANGED( date_of_Birth_c ),  
ISCHANGED( Email_c ),  
ISCHANGED( Guardian_Name_c ),  
ISCHANGED( Phone_c ))
```

A function dropdown menu is open, showing options like ABS, ADDMONTHS, AND, BEGINS, BLANKVALUE, and BR. A 'Quick Tips' panel on the right suggests 'Operators & Functions'.

At the bottom right of the page, there is a message: 'Activate Windows' and 'Go to Settings to activate Windows.'



## Day 5:

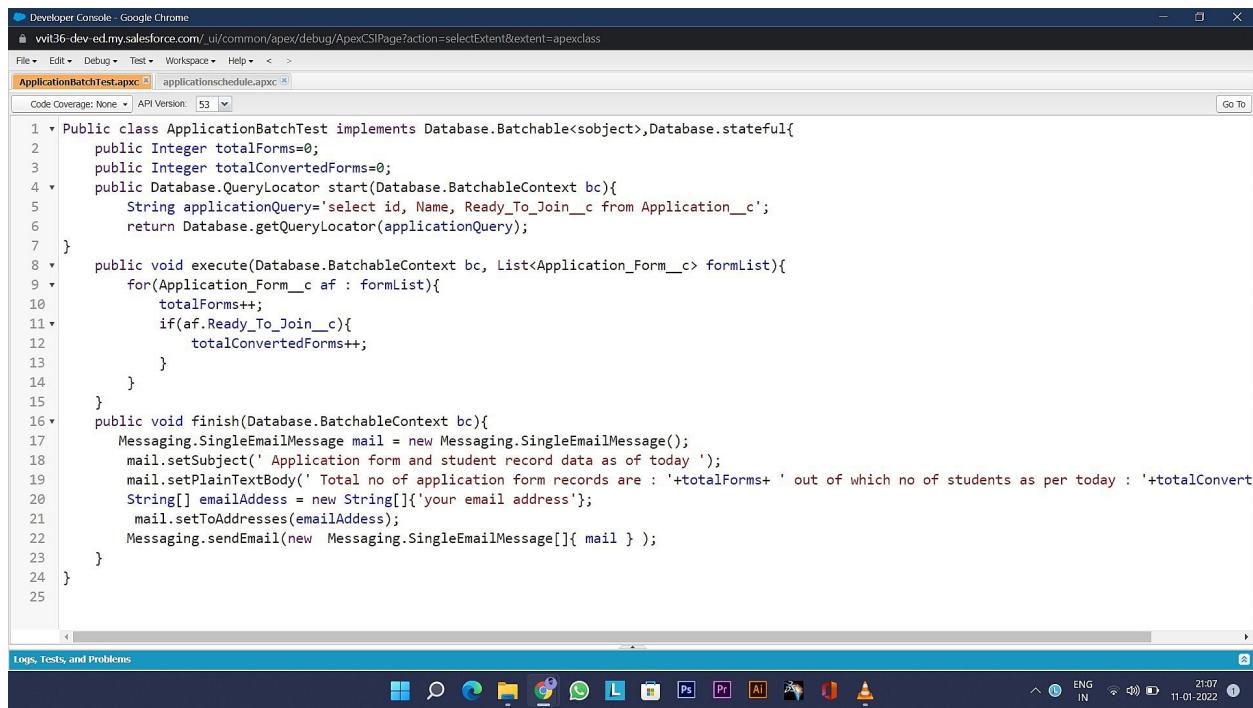
### Topic: Batch Apex

#### Milestone / Activities:

- Create A Batch Apex For Application Form

**Detailed Description:** I have created the application from record trigger flow In that I have created a variable named student in the resource section I added some assignments and then created the student record.

#### Upload the Screenshot the Milestone / Activities :



The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is [vit36-dev-ed.my.salesforce.com/u/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass](https://vit36-dev-ed.my.salesforce.com/u/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass). The tab title is "ApplicationBatchTest.apxc". The code editor displays 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     public Database.QueryLocator start(Database.BatchableContext bc){
5         String applicationQuery='select id, Name, Ready_To_Join__c from Application__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 today : '+totalConvert
20         String[] emailAddess = new String[]{your email address};
21         mail.setToAddresses(emailAddess);
22         Messaging.sendEmail(new Messaging.SingleEmailMessage[]{} mail );
23     }
24 }
```

The code implements a batchable class for processing application forms. It counts the total number of forms and the number of forms where Ready\_To\_Join\_\_c is true. It then sends an email to the specified address with the count and status.

## Day 6:

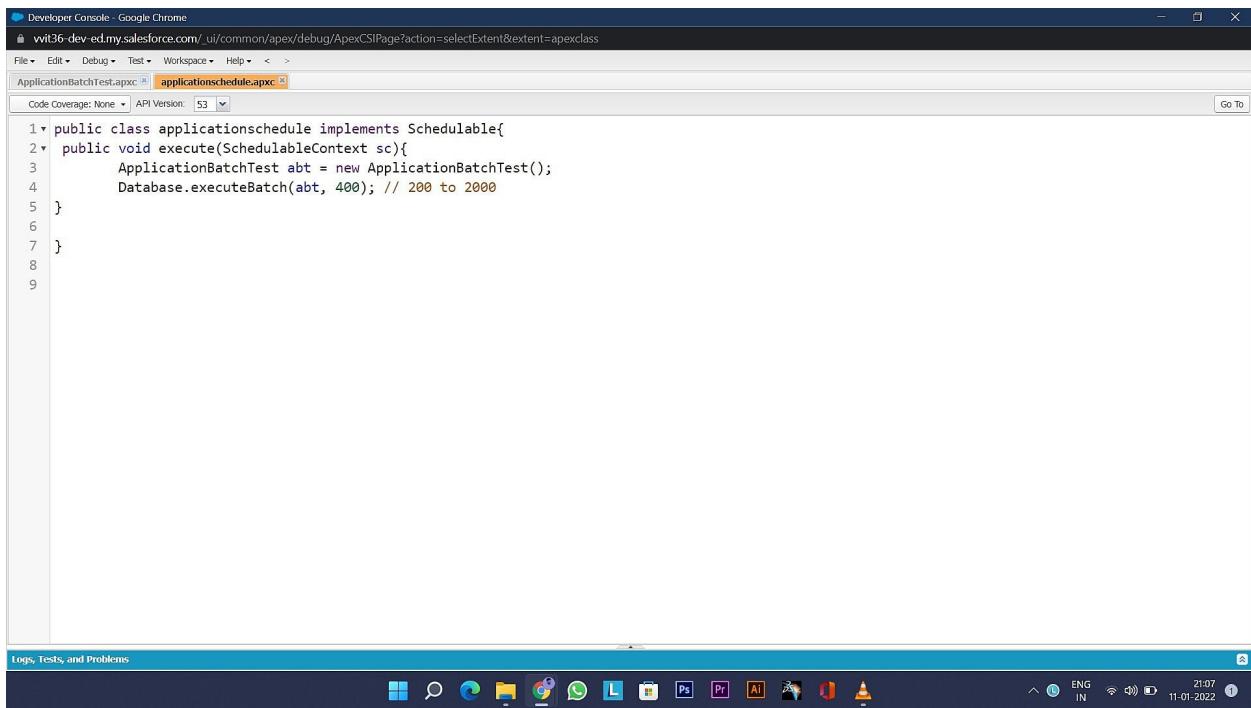
**Topic:** Batch Apex

**Milestone / Activities:**

- Create A Scheduler Class

**Detailed Description:** Setup > Apex Classes > Schedule apex. Then I executed the code after that I received an email.

**Upload the Screenshot the Milestone / Activities :**



The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is [vit36-dev-ed.my.salesforce.com/u/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass](https://vit36-dev-ed.my.salesforce.com/u/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass). The tab title is "applicationschedule.apxc". The code editor contains 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 }
```

The developer console interface includes a toolbar at the top with File, Edit, Debug, Test, Workspace, Help, and a Go To button. Below the code editor is a "Logs, Tests, and Problems" section. At the bottom, there's a taskbar with various icons and system status indicators.

## Day 7:

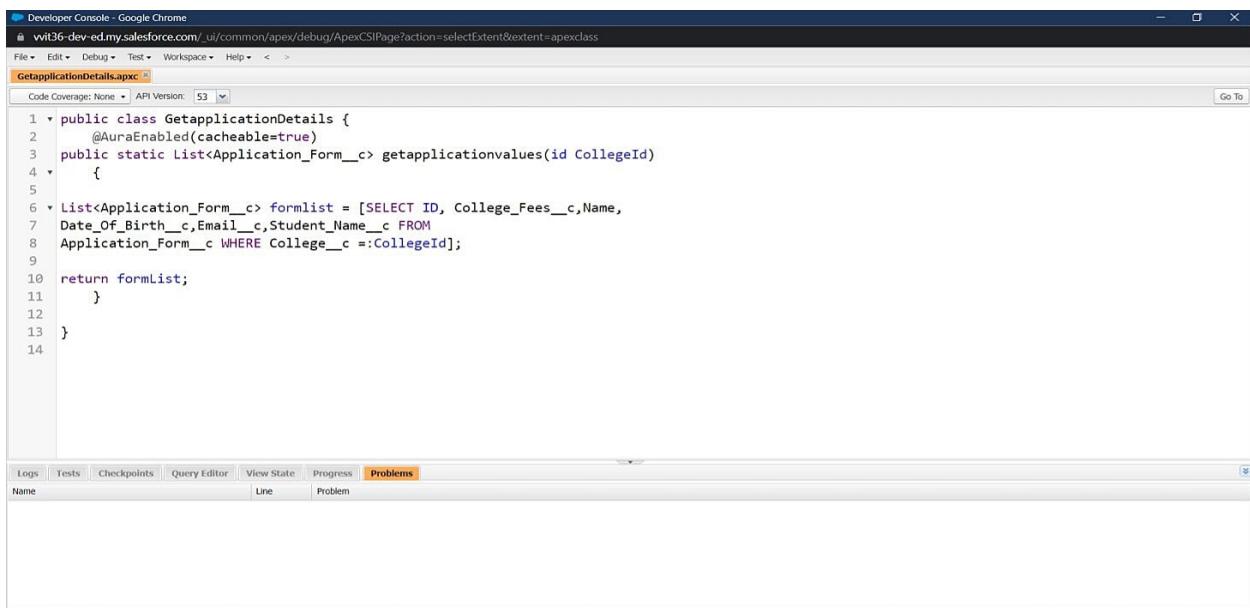
**Topic:** Lightning Web Components

### Milestone / Activities:

- Create College DataTable Component (APEX CLASS)

**Detailed Description:** First Go to setup and search Apex classes and next click on Developer console. Then create a apex class with name GetapplicationDetails and enter the code and click on save to save the apex class

### Upload the Screenshot the Milestone / Activities :



The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome" and the URL is "vit36-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage?action=selectExtent&extent=apexclass". The main area displays the code for the "GetapplicationDetails.apxc" class. The code is as follows:

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

Below the code editor, there is a navigation bar with tabs: Logs, Tests, Checkpoints, Query Editor, View State, Progress, and problems. The "problems" tab is currently selected. The status bar at the bottom shows "Name", "Line", and "Problem".

## Day 8:

**Topic:** Lightning Web Components

### Milestone / Activities:

- Create College DataTable Component (HTML FILE)

### Detailed Description:

I downloaded and install the visual Studio Code and created the html file. I have entered the code and saved in HTML format

### Upload the Screenshot the Milestone / Activities :

The screenshot shows the Visual Studio Code interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar says "HTML file - Visual Studio Code". The left sidebar has icons for Get Started, HTML file (which is open), JavaScript file.txt, and META file.xml. The main editor area contains the following code:

```
C:\> Users > DELL > HTML file > ...
1  <template if:true={recordList}>
2    <lightning-datatable
3      key-field="id"
4      data={recordList}
5      show-row-number-column
6      hide-checkbox-column
7      columns={columnsList}
8    >
9    </lightning-datatable>
10   </template>
11
12   <template if:true={error}>
13     | (error)
14   </template>
15 </template>
```

The status bar at the bottom shows "Ln 15, Col 12" and other file-related information.

## Day 9:

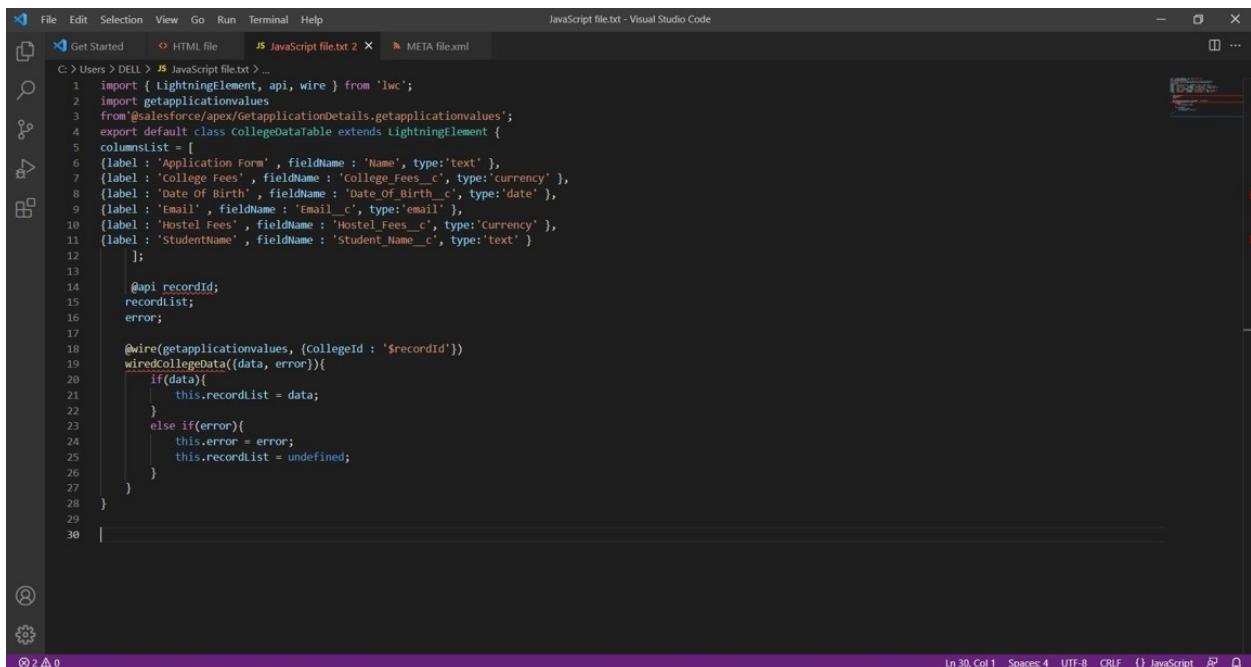
### Topic: Lightning Web Components

#### Milestone / Activities:

- Create College DataTable Component (JAVA SCRIPT FILE)

**Detailed Description:** After the creation of Html file I have created the java script file and named it as CollegeDataTable

#### Upload the Screenshot the Milestone / Activities :



The screenshot shows a Visual Studio Code interface with a dark theme. The left sidebar has icons for file operations like Open, Save, and Find. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The tabs at the top show 'Get Started', 'HTML file', 'JavaScript file.txt 2', and 'META file.xml'. The main editor area contains the following JavaScript code:

```
C:\> Users > DELL > JS JavaScript file.txt > ...
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
18    @wire(getapplicationvalues, {collegeId : '$recordId'})
19    wiredCollegeData({data, error}){
20        if(data){
21            this.recordlist = data;
22        }
23        else if(error){
24            this.error = error;
25            this.recordList = undefined;
26        }
27    }
28 }
29
30 |
```

The status bar at the bottom indicates 'Ln 30, Col 1' and other file details.

## Day 10:

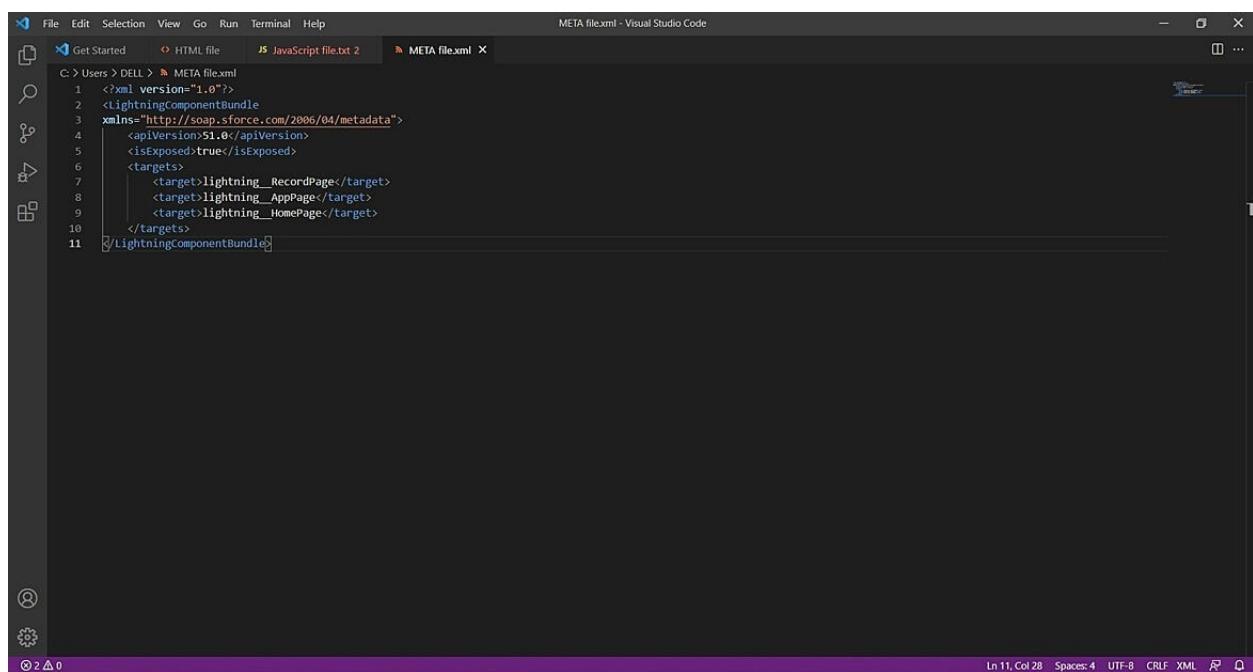
**Topic:** Lightning Web Components

### Milestone / Activities:

- Create College DataTable Component (META FILE)

**Detailed Description:** After the creation of Java Script File I have created the Meta File.

### Upload the Screenshot the Milestone / Activities :



The screenshot shows a Visual Studio Code interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The left sidebar has icons for Get Started, HTML file, JavaScript file.txt (2), and META file.xml (active). The main editor area displays the following XML code:

```
C:\> Users > DELL > META file.xml
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>
```

The status bar at the bottom shows "Ln 11, Col 28" and "Spaces: 4".