

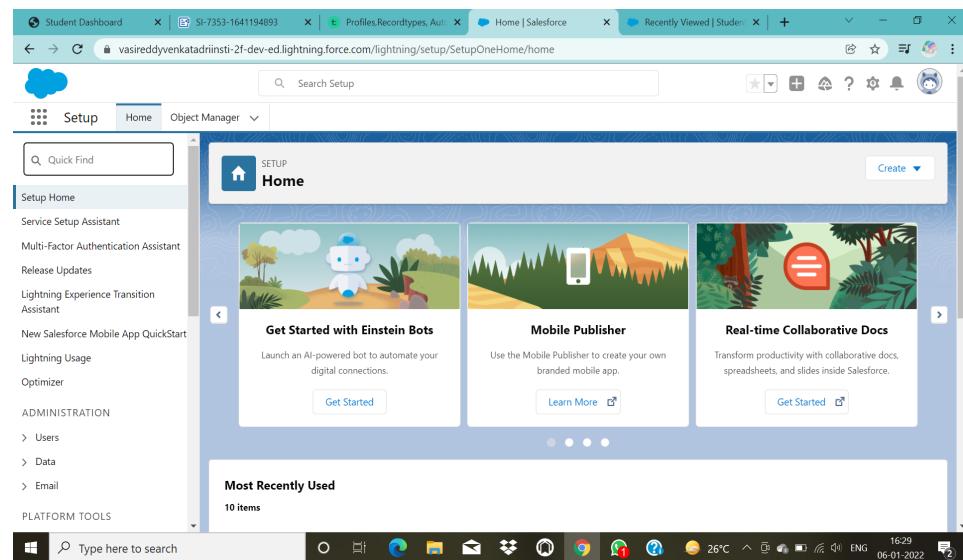
1.Day1

Topic:- Create Salesforce Developer Account and Activation.

Activities:- create account,activate account and log in to salesforce..

Detailed Description:- firstly,I have created salesforce developer account and activated it then,i logged in to the salesforce account.

screenshots of Activites:-



2.Day2

Topic:-Custom Object Creation.

Activities:-create the custom object for the application.

create fields on college object,application form object,student object and subject object.

Detailed Description:-I have created custom objects they are college object,application form object,student object and subject object.

In the college objects- I have created fileds and relationships like college name,college fees ,hostel fees record information and so on

similarly,i have created application form,student,and subjects like college objects. In college field objects I have created validation rules and field dependencies and also created validation rules in subject object , I have set a global values in subject and college objects .

screenshots:-custom objects-1.college object

The screenshot shows the Salesforce Setup interface with the URL vasireddyvenkatadriinsti-2f-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hWzH/Details/view. The page title is "College | Salesforce". The main content area displays the "College" object details, including its API name "College__c", singular label "College", and plural label "Colleges". The "Details" tab is selected. On the left, a sidebar lists various setup categories like Fields & Relationships, Page Layouts, and Buttons, Links, and Actions. On the right, there are sections for Description, API Name, Custom, Singular Label, Plural Label, and several checkboxes for object settings such as Enable Reports, Track Activities, and Track Field History. The status is set to "Deployed".

1.

2.application form

The screenshot shows the Salesforce Setup interface with the URL vasireddyvenkatadriinsti-2f-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hZ3r/Details/view. The page title is "Application Form | Salesforce". The main content area displays the "Application Form" object details, including its API name "Application_Form__c", singular label "Application Form", and plural label "Application Forms". The "Details" tab is selected. On the left, a sidebar lists various setup categories. On the right, there are sections for Description, API Name, Custom, Singular Label, Plural Label, and several checkboxes for object settings. The status is set to "Deployed".

2.

3.student object

The screenshot shows the Salesforce Setup interface for the 'Students' object. The top navigation bar includes tabs for 'Student Dashboard', 'SmartBridge', and 'Students | Salesforce'. The main title is 'SETUP > OBJECT MANAGER Students'. 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, and Related Lookup Filters. The central 'Details' section displays the following information:

API Name	Value
Students__c	Custom
Singular Label	Students
Plural Label	Students

On the right, under 'Enable Reports', several checkboxes are checked:

- ✓ Enable Reports
- ✓ Track Activities
- ✓ Track Field History
- ✓ Deployment Status
- Deployed
- Help Settings
- Standard salesforce.com Help Window

The bottom status bar shows the Windows taskbar with icons for File Explorer, Task View, Edge, File, Mail, Photos, OneDrive, Google Chrome, and a question mark. The date and time are 06-01-2022 13:32.

4.subject object

The screenshot shows the Salesforce Setup interface for the 'Subjects' object. The top navigation bar includes tabs for 'Student Dashboard', 'SmartBridge', and 'Subjects | Salesforce'. The main title is 'SETUP > OBJECT MANAGER Subjects'. The left sidebar and central 'Details' section are identical to the 'Students' object, showing the same API name, singular/plural labels, and report enablement settings. The bottom status bar shows the Windows taskbar with icons for File Explorer, Task View, Edge, File, Mail, Photos, OneDrive, Google Chrome, and a question mark. The date and time are 06-01-2022 13:32.

5.fields of college object

The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar lists various configuration options like Page Layouts, Lightning Record Pages, Buttons, Links, Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Fields & Relationships' and displays 10 items sorted by Field Label. Each item shows the field name, its label, type, and description. For example, 'Capacity Of Students' is a Picklist type labeled 'Capacity_Of_Students__c'. Other fields include 'College Email', 'College Fees', 'College Name', 'Created By', and 'Hostel Fees'. The interface includes standard Salesforce navigation and search tools.

6.fields of application form

The screenshot shows the Salesforce Setup interface for the 'Application Form' object. The left sidebar lists various configuration options. The main content area is titled 'Fields & Relationships' and displays 9 items sorted by Field Label. Each item shows the field name, its label, type, and description. For example, 'College Fees' is a Formula (Currency) type labeled 'College_Fees__c'. Other fields include 'Created By', 'Date of Birth', 'Email', 'Form Number', 'Guardian Name', and 'Hostel Fees'. The interface includes standard Salesforce navigation and search tools.

7.fields of student object

Fields & Relationships

Field Label	Field Name	Data Type
Address	Address_c	Text(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)

8. fields of subject

Fields & Relationships

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)		
Paper1	Paper1_c	Picklist		
paper2	paper2_c	Picklist		
Students	Students_c	Lookup(Students)		
Subjects Name	Name	Auto Number		

3.Day3:-

Topic:- Adding Business logic To Application:-

Activities:- picklist value sets, field dependencies and validation rules.

Detailed Description:- created a picklist values and then field dependencies and validation rules on student and application forms. and I have created validation rules and field dependencies and also created validation rules in subject object , I have set a global values in subject and college objects .

1. Creating global picklist value sets-

Student Dashboard | SI-7353-1641194893 | Profiles, Recordtypes, Auth | Picklist Value Sets | Sales | Recently Viewed | Student

vasireddyvenkatadrinsti-2f-dev-ed.lightning.force.com/lightning/setup/picklists/home

Setup Home Object Manager

Q value

Objects and Fields

Picklist Value Sets

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

SETUP Picklist Value Sets

Help for this Page

View: All Create New View

A : B : C : D : E : F : G : H : I : J : K : L : M : N : O : P : Q : R : S : T : U : V : W : X : Y : Z : Other

Global Value Sets [New]

Action	Label	Description
Edit Del	College_Name	
Edit Del	Paper1	
Edit Del	paper2	
Deleted	Deleted_Global_Value_Sets_0	

Type here to search

Student Dashboard | SI-7353-1641194893 | Profiles, Recordtypes, Auth | Picklist Value Sets | Sales | Recently Viewed | Student

vasireddyvenkatadrinsti-2f-dev-ed.lightning.force.com/lightning/setup/picklists/page?address=%2FONt5j000000H71w

Setup Home Object Manager

Q value

Objects and Fields

Picklist Value Sets

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

SETUP Picklist Value Sets

Name College_Name

Description

Picklist Values Used

Active and inactive picklist values 0 (1,000 max)

Edit Delete

Values

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	mit.blr	mit.blr	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:08 AM
Edit Del Deactivate	mit.hyd	mit.hyd	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:08 AM
Edit Del Deactivate	mit.mum	mit.mum	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:10 AM
Edit Del Deactivate	mit.maa	mit.maa	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:11 AM
Edit Del Deactivate	mit.osu	mit.osu	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:11 AM
Edit Del Deactivate	mit.del	mit.del	Assigned dynamically	Jamantlalmuji.Balkumarji	1/4/2022, 7:12 AM

Type here to search

Student Dashboard | SI-7353-1641194893 | Profiles, Recordtypes, Auth | Picklist Value Sets | Sales | Recently Viewed | Student

vasireddyvenkatadrinsti-2f-dev-ed.lightning.force.com/lightning/setup/picklists/page?address=%2FONt5j000000H7W2

Setup Home Object Manager

Q value

Objects and Fields

Picklist Value Sets

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

SETUP Picklist Value Sets

Information

Label Paper1

Name Paper1

Description

Picklist Values Used

Active and inactive picklist values 4 (1,000 max)

Edit Delete

Values

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	APEx	APEx	Assigned dynamically	Jamantlalmuji.Balkumarji	1/6/2022, 2:42 AM
Edit Del Deactivate	JAVA	JAVA	Assigned dynamically	Jamantlalmuji.Balkumarji	1/6/2022, 2:42 AM
Edit Del Deactivate	C	C	Assigned dynamically	Jamantlalmuji.Balkumarji	1/6/2022, 2:42 AM
Edit Del Deactivate	C++	C++	Assigned dynamically	Jamantlalmuji.Balkumarji	1/6/2022, 2:42 AM

The screenshot shows the 'Picklist Value Sets' page in the Salesforce Setup. A new picklist value set named 'paper2' has been created. It contains three values: 'MATHEMATICS', 'ENGLISH', and 'STATISTICS'. Each value is assigned dynamically by Jamanilamudi Rajkumar.

Action	Values	API Name	Default	Modified By
Edit Del Deactivate	MATHEMATICS	MATHEMATICS	<input type="checkbox"/>	Jamanilamudi Rajkumar, 1/6/2022, 2:43 AM
Edit Del Deactivate	ENGLISH	ENGLISH	<input type="checkbox"/>	Jamanilamudi Rajkumar, 1/6/2022, 2:43 AM
Edit Del Deactivate	STATISTICS	STATISTICS	<input type="checkbox"/>	Jamanilamudi Rajkumar, 1/6/2022, 2:43 AM

2. college field Dependencies:-

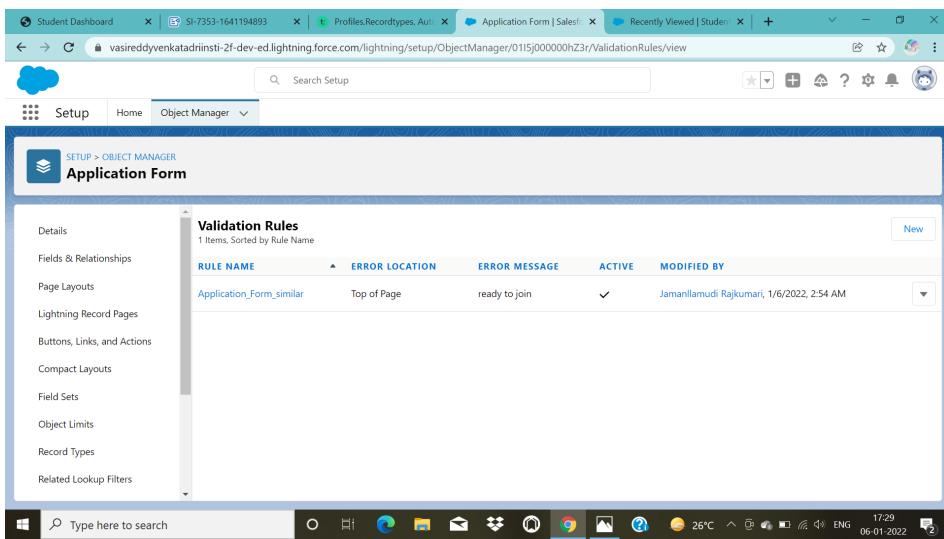
The screenshot shows the 'College Field Dependencies' page in the Salesforce Object Manager. It lists dependencies between fields: 'Controlling Field' (College Name) and 'Dependent Field' (College Email, Capacity Of Students).

Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	College Email	Jamanilamudi Rajkumar, 1/4/2022, 7:27 AM
Edit Del	College Name	Capacity Of Students	Jamanilamudi Rajkumar, 1/4/2022, 7:34 AM

3.validation Rules:-

The screenshot shows the 'Validation Rules' page for the 'College' object. It displays a single validation rule named 'College_Name_Similar' which triggers on 'Top of Page' and checks for similar college names.

Rule Name	Error Location	Error Message	Active	Modified By
College_Name_Similar	Top of Page	Please use the college name in record info.	<input checked="" type="checkbox"/>	Jamanilamudi Rajkumar, 1/6/2022, 12:29 AM



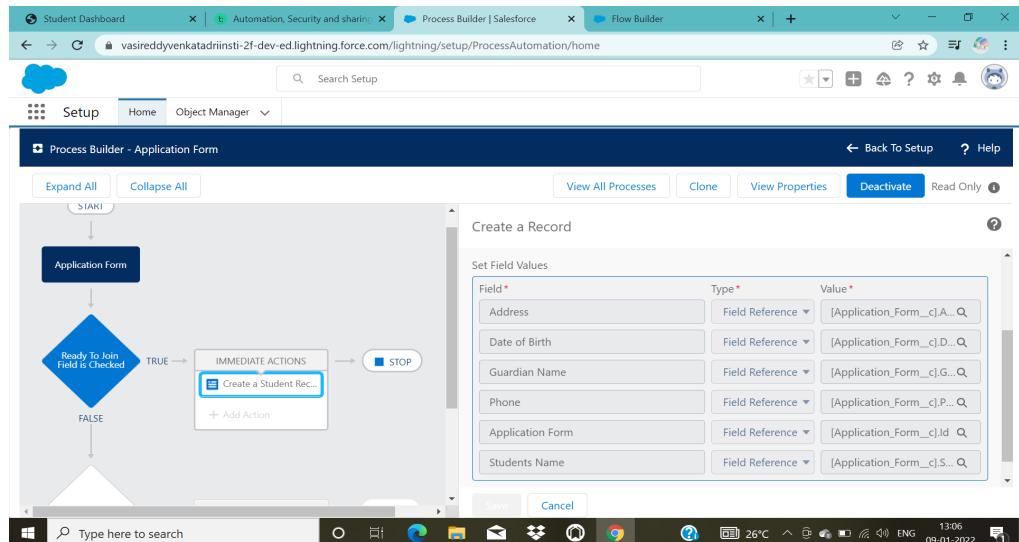
4.Day4:

Topic: -Process Automation.

Activities: Creating Process Builder.

Detailed Description:- I have selected the process builder from quick find and then I have created a process builder on the application form with a condition a when a record is change.and the I have created a record on the student objects.

screenshots:-



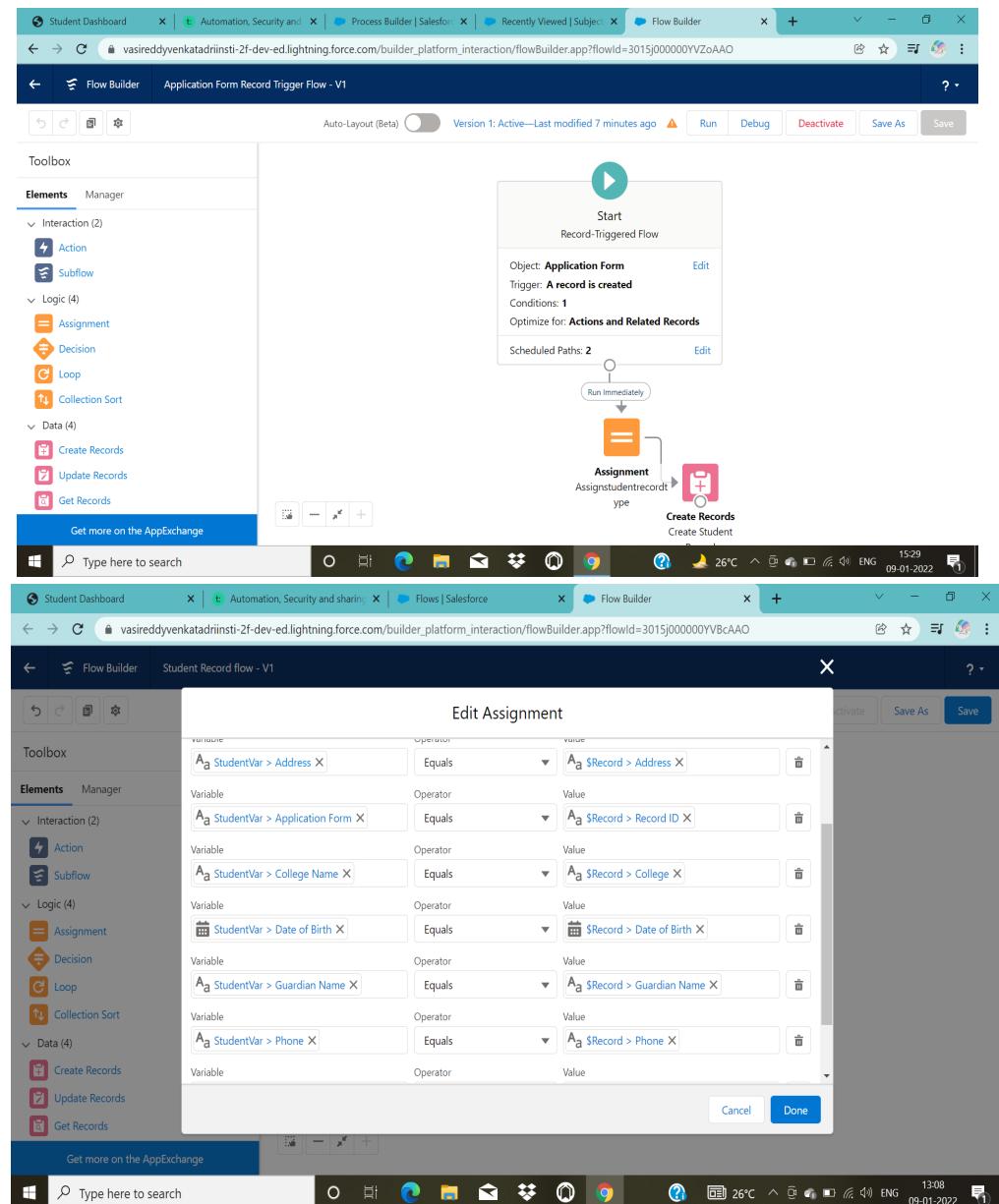
5.Day5:-

Topic:- Create the Student Record using Flow.

Activities:- build a Flow builder on Student Record

Description:- before creating a flows firstly deactivate the process builder that I have created yesterday.after deactivation I have created a flow builder using triggers and then connecting the flows activate it.and also create a resources on student variable on student recordand assignments.

Screenshots:-



6.Day6:-

Topic:- Batch Apex

Activities:- Create a batch apex for application form,

Detailed description:- I have created a apex class .which is apexbatchtest I have written a code which is regarding application form.

screenshot:-

The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome" and the URL is "vasireddyvenkatadriinsti-2f-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The tabs at the top are "File", "Edit", "Debug", "Test", "Workspace", "Help", and "Go To". The active tab is "ApplicationBatchTest.apxc". The code editor contains the following Apex code:

```
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');
20     }
}
```

The status bar at the bottom shows "Logs Tests Checkpoints Query Editor View State Progress Problems" and the system status "29°C ENG 11-01-2022 16:46".

ApplicationSchedule:-

The screenshot shows the Salesforce Developer Console interface. The title bar reads "Developer Console - Google Chrome" and the URL is "vasireddyvenkatadriinsti-2f-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage". The tabs at the top are "File", "Edit", "Debug", "Test", "Workspace", "Help", and "Go To". The active tab is "applicationschedule.apxc". The code editor contains the following Apex code:

```
1 public class applicationschedule implements Schedulable{
2
3
4
5     public void execute(SchedulableContext sc){
6
7         ApplicationBatchTest abt = new ApplicationBatchTest();
8
9         Database.executeBatch(abt, 400); // 200 to 2000
10
11
12     }
13
14 }
```

The status bar at the bottom shows "Logs Tests Checkpoints Query Editor View State Progress Problems" and the system status "29°C ENG 11-01-2022 16:46".

7.Day7:-

Topic:-Lighnning Web Components

Activities:- Create college data table(APEX CLASS).

Detailed Description:- To create college data table

I have created a apex class which is getapplicationdetails(apex class name)

Screenshots:-APEX CLASS

```

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, Hostel_Fees__c, Student_Name__c FROM
8             Application_Form__c WHERE College__c =:CollegeId];
9
10    return formList;
11 }
12 }
13

```

The screenshot shows the Salesforce Developer Console interface. The top bar includes 'File', 'Edit', 'Debug', 'Test', 'Workspace', 'Help', and a 'Logs' tab. Below the code editor, there's a table with columns 'User', 'Application', 'Operation', 'Time', 'Status', and 'Size'. At the bottom, there's a search bar and a taskbar.

8.Day8:-

Topic:-Lightening Web Components

Activities:- Create college data table(HTML FILE)

Detailed Description:- To create college data table

I have installed salesforce lwc extension editor in that page I have created a html file with component name collegeDataTable and I have checked the is exposed and include csv checkboxes and for Targets I have checked Record page, App page and Home page. And after writing the code I have saved the code and deploy and I have successfully executed with no errors in this html file.

screenshots:-

HTML FILE

```

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

```

The screenshot shows the Salesforce LWC Editor interface. It displays the HTML code for a component named 'collegeDataTable'. The code uses the Lightning Data Table component to display a list of records. The editor also shows a result panel at the bottom indicating successful creation of the component. The taskbar at the bottom shows various application icons.

9.Day9:-

Topic:-Lightening Web Components

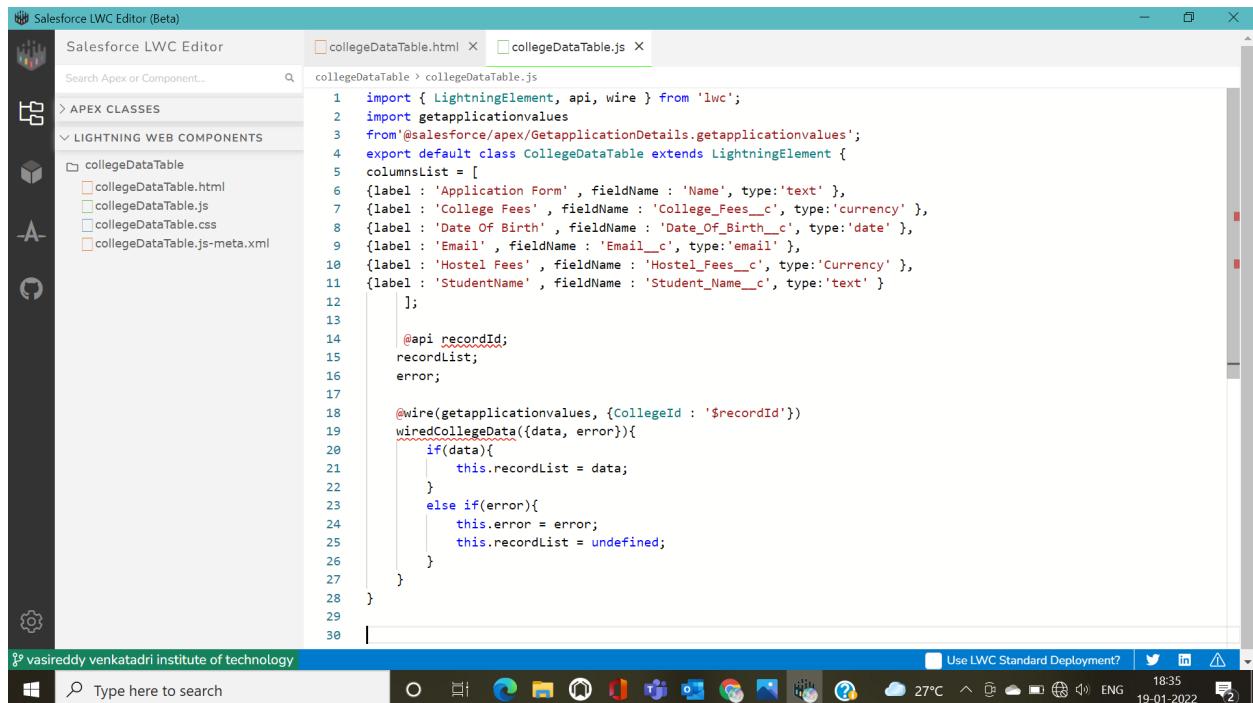
Activities:- Create college data table(JAVA SCRIPT)

Detailed Description:- To create college data table

and open the salesforce lwc extension editor in that page I have opened the previously created collegeDataTable and write the java code and executed without any errors.

Screenshots:-

JAVA FILE



The screenshot shows the Salesforce LWC Editor (Beta) interface. On the left, there's a sidebar with icons for Apex Classes and Lightning Web Components. Under 'LIGHTNING WEB COMPONENTS', a 'collegeDataTable' component is selected, showing its files: collegeDataTable.html, collegeDataTable.js, collegeDataTable.css, and collegeDataTable.js-meta.xml. The main workspace displays the 'collegeDataTable.js' file content:

```
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 }
```

10.Day10:-

Topic:-Lightening Web Components

Activities:- Create college data table(JAVA SCRIPT)

Detailed Description:- To create college data table

and open the salesforce lwc extension editor in that page I have opened the previously created collegeDataTable and write the java meta code and deployed , executed without any errors.

Screenshots:- META FILE

Salesforce LWC Editor (Beta)

Salesforce LWC Editor

Search Apex or Component...

> APEX CLASSES

✓ LIGHTNING WEB COMPONENTS

collegeDataTable

- collegeDataTable.html
- collegeDataTable.js
- collegeDataTable.css
- collegeDataTable.js-meta.xml

```
collegeDataTable > collegeDataTable.js-meta.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>
```

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Type here to search

Use LWC Standard Deployment?

18:44 19-01-2022 3

27°C ENG