

COLLEGE MANAGEMENT APPLICATION

Day 1: Create Your Salesforce Developer Org To Get Started

Date: 03/01/2022

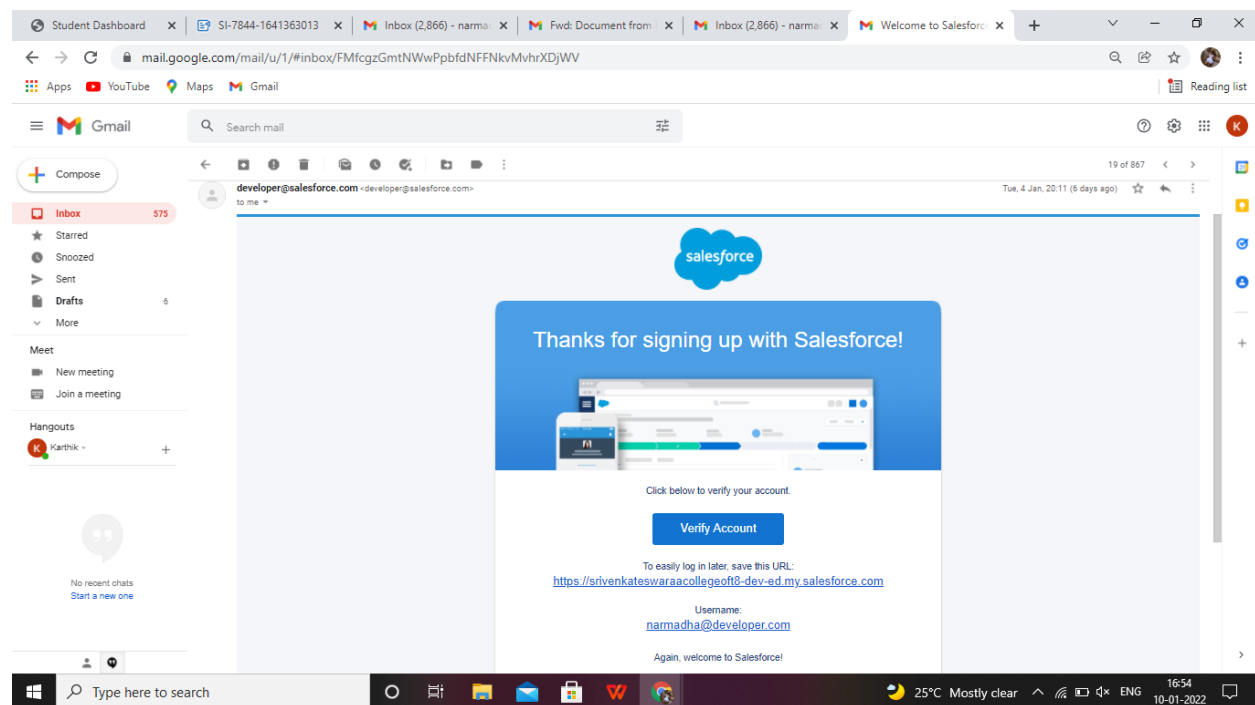
Milestone / Activity :

- Creating a Developer Account
- Account Activation
- Login to your Salesforce account

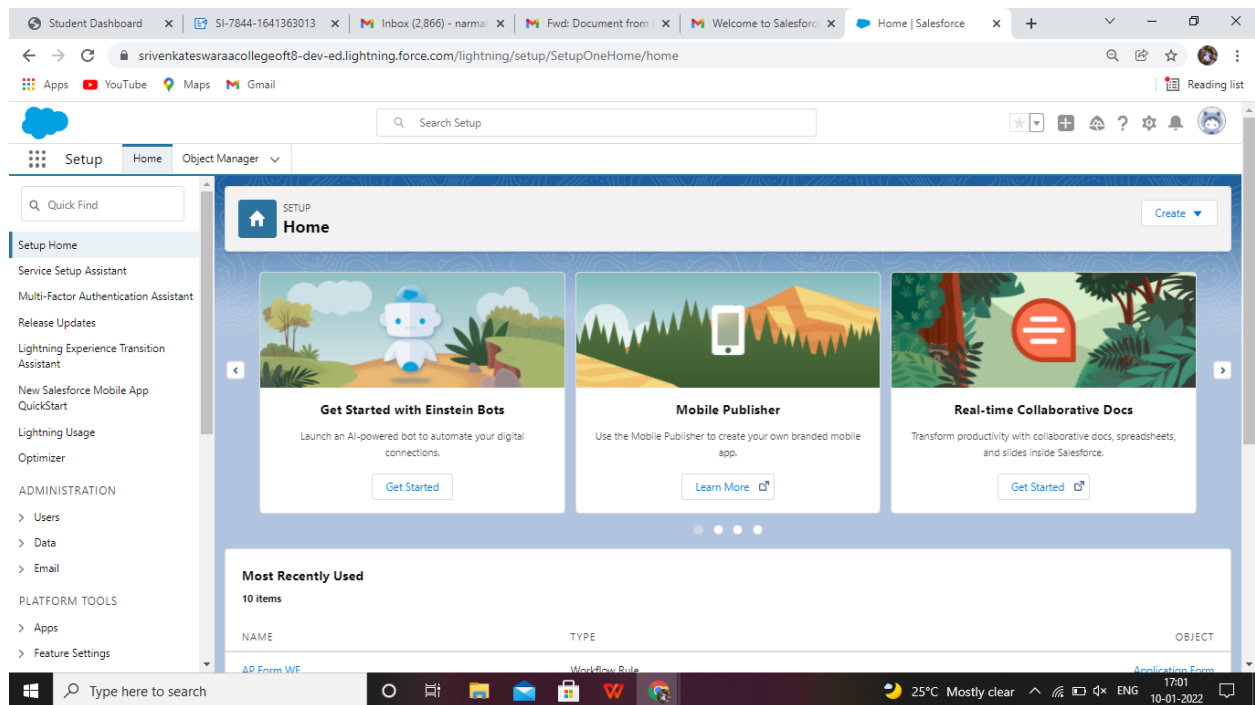
Description:

To create the Developer Account first we have to login to the Account using the URL :- Developer.Salesforce.com and get into the sign in button. If we already have an account in Salesforce Login using the Username and the smartinternz's given password.

Account Activation



Salesforce Login



Day 2: Custom object Creation

Date: 04/01/2022

Milestone / Activity :

- Create the field on college, application form, student and subject (Object).

Description :

Creating the field for the Application on College object, Application form object, Student object and Subject object.

Create Fields On College Object

Student Dashboard | Inbox (2,866) | Fwd: Document from | Welcome to Salesforce | SI-7844-1641363013 | College | Salesforce

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000dm26/FieldsAndRelationships/view

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

College

Details

Fields & Relationships

10 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

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(18, 0)		
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(18, 0)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User Group)		

Type here to search

25°C Mostly clear 17:09 10-01-2022

Create Fields On Application Form Object

Student Dashboard | Inbox (2,866) | Fwd: Document from | Welcome to Salesforce | SI-7844-1641363013 | Application Form | Salesforce

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000dm2u/FieldsAndRelationships/view

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

Application Form

Details

Fields & Relationships

15 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form ID	Application_Form_ID__c	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		
Form Number	Name	Auto Number		✓
Guardian Name	Guardian_Name__c	Text(30)		
Hostel Fees	Hostel_Fees__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		

Type here to search

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Create Fields On Student Object

Student Dashboard | Inbox (2,866) - narma | Fwd: Document from | Welcome to Salesforce | SI-7844-1641363013 | Student | Salesforce

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000dm42/FieldsAndRelationships/view

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships
11 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(250)		
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	Student_Name__c	Text(10)		
Students Name	Name	Text(80)		✓

Type here to search

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Create Fields On Subject Object

Student Dashboard | Inbox (2,866) - narma | Fwd: Document from | Welcome to Salesforce | SI-7844-1641363013 | Subject | Salesforce

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000doks/FieldsAndRelationships/view

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

SETUP > OBJECT MANAGER
Subject

Details

Fields & Relationships
8 Items, Sorted by Field Label

Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

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		
Paper2	Paper2__c	Picklist		
Student	Student__c	Lookup(Student)		✓
Subject ID	Subject_ID__c	Auto Number		

Type here to search

25°C Mostly clear 17:12 10-01-2022

Day 3: Adding Business Logic To Application

Date: 05/01/2022

Milestone / Activity :

- Creating :-
 - ☆ Global Picklist Value Set
 - ☆ Field Dependencies
 - ☆ Validation Rule

Description :

Picklist value sets (global) :- The picklist value is used for listing the option for the application for college

Creating Global Picklist Value Sets

The screenshot shows the Salesforce Lightning Setup interface. The browser tabs include 'Student Dashboard', 'Inbox (2,866)', 'Fwd: Document f...', 'SI-7840-164136', 'Welcome to Sale...', 'SI-7844-164136', and 'Picklist Value Set'. The address bar shows the URL 'srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/Picklists/home'. The left sidebar has a search bar with 'picklist' and a navigation menu with 'Data' (containing 'Picklist Settings', 'State and Country/Territory', and 'Picklists') and 'Objects and Fields' (containing 'Picklist Value Sets'). The main content area is titled 'Picklist Value Sets' and includes a 'Help for this Page' link. Below the title, there is 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.' A 'View: All' dropdown and a 'Create New View' link are present. A table titled 'Global Value Sets' shows three entries: 'College', 'Paper 1', and 'Paper 2', each with 'Edit' and 'Del' links. A 'New' button is located above the table. The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and system tray information (25°C, Mostly clear, 17:18, 10-01-2022).

Student Dashboard | Inbox (2,866) - no | Fwd: Document f... | SI-7840-164136 | Welcome to Sale... | SI-7844-164136 | Picklist Value Set

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/Picklists/home

Apps | YouTube | Maps | Gmail

Search Setup

Setup | Home | Object Manager

picklist

Data

- Picklist Settings
- State and Country/Territory
- Picklists

Objects and Fields

- Picklist Value Sets

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

Picklist Value Sets

Help for this Page

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.

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 | All

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

Deleted Global Value Sets (0)

New

Type here to search

25°C Mostly clear 17:18 10-01-2022

Creating Field Dependencies

Student Dashboard | Inbox (2,866) | Fwd: Document f | SI-7840-164136 | Welcome to Sale | SI-7844-164136 | College | Salesforce | +

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000dm26/FieldsAndRelationships/viewDependencyList

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

College

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

College Field Dependencies

[Back to Custom Object: College](#)

This page allows you to define dependencies between fields (e.g., dependent picklists).

Field Dependencies [New](#)

Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	Email	J.Narmadha, 1/6/2022, 2:05 AM
Edit Del	College Name	Capacity Of Students	J.Narmadha, 1/6/2022, 2:12 AM

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Creating Validation Rule

Student Dashboard | Inbox (2,866) | Fwd: Document f | SI-7840-164136 | Welcome to Sale | SI-7844-164136 | College | Salesforce | +

srivenkateswaraacollegeoft8-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000dm26/ValidationRules/03d5j000000LWWdAAQ/view

Apps | YouTube | Maps | Gmail | Reading list

Search Setup

Setup | Home | Object Manager

College

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

College Validation Rule

[Back to College](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	College_Name_Similar	Active	✓
Error Condition Formula	TEXT(College_Name__c) <> Name		
Error Message	college name and record info should have the same name.		
Error Location	Top of Page		
Description			
Created By	J.Narmadha, 1/6/2022, 1:51 AM	Modified By	J.Narmadha, 1/6/2022, 1:51 AM

[Edit](#) [Clone](#)

25°C Mostly clear 17:23 10-01-2022

Day 4: Process Automation

Date : 06/01/2022

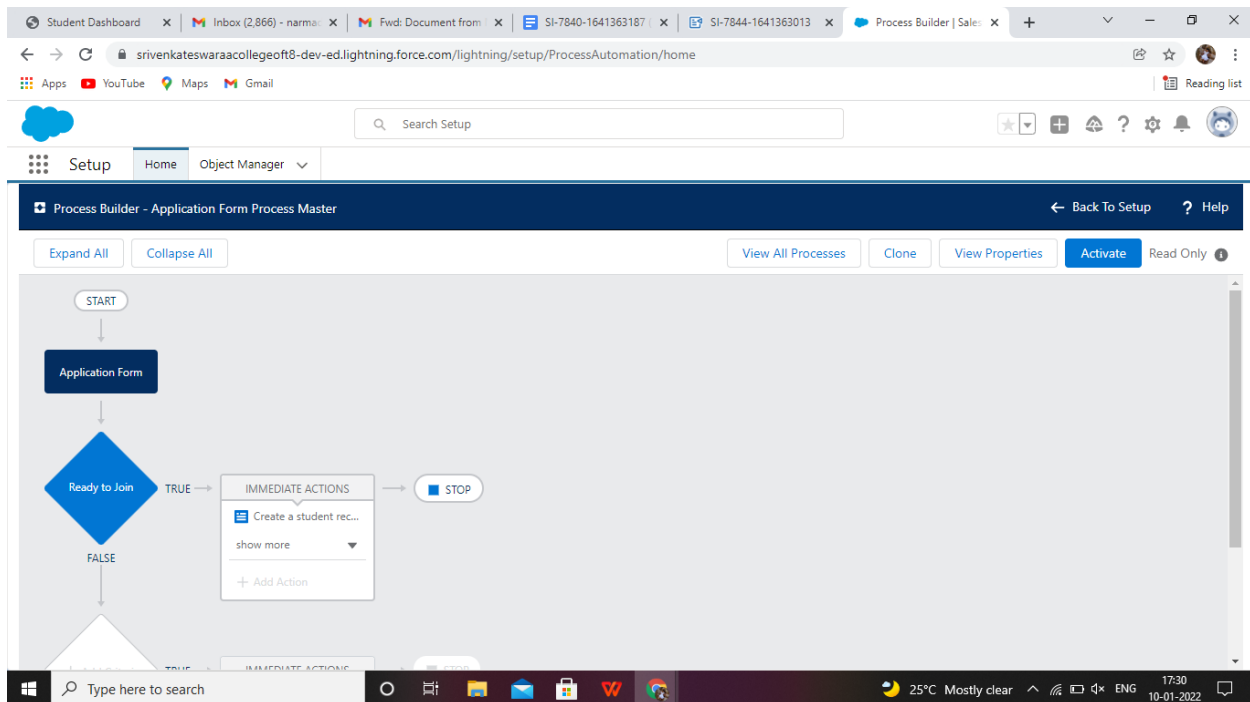
Milestone / Activity :

Go to setup ---> in quick finder search Process Builder ---> click process builder then ---> click new ---> Create a process builder on "Application Form" process start when a record change.

Description :

The Process Builder is used to generate automatic email alert for the user

Creating Process Automation



Day 5 : Creating student application using Flow

Date : 07/01/2022

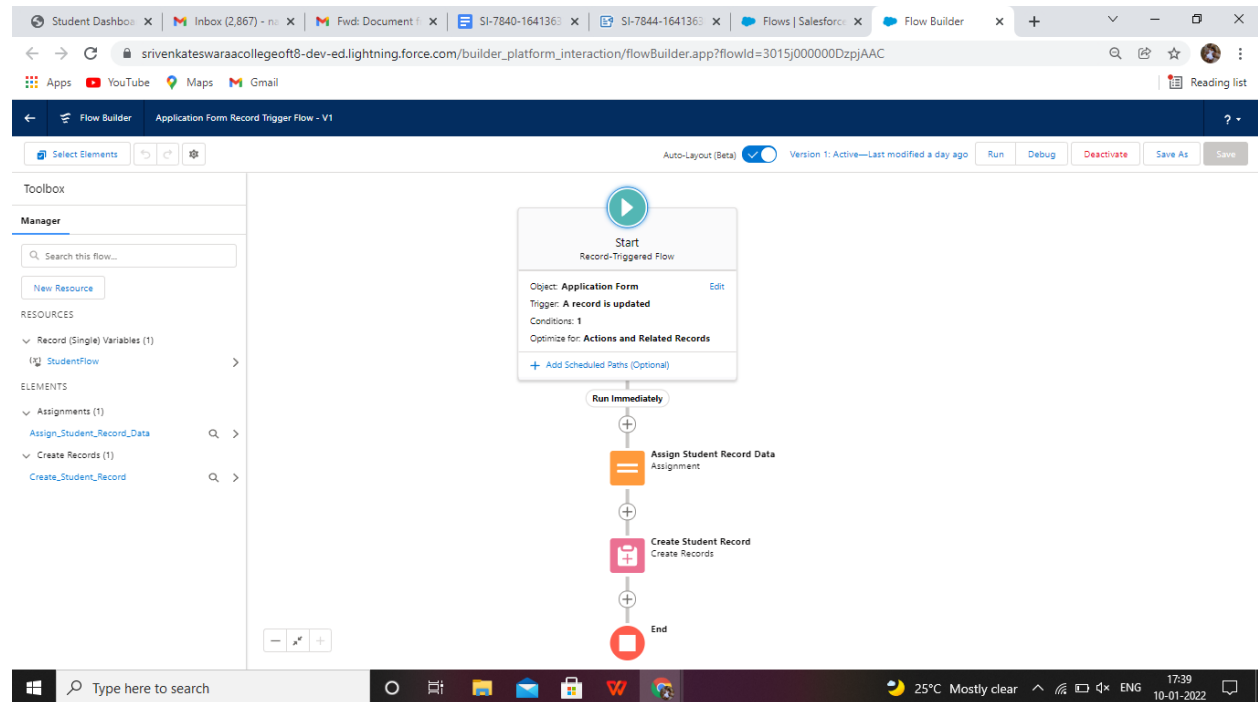
Milestone / Activity :

Go to setup ---> in quick finder search Flow Builder ---> Click new flow ---> In the various types of flows select record triggered flow ---> now create a Assignment and Records for Student ---> Save and Activate.

Description :

The flow Builder is a another way to generate automatic email alert for the user

Creating student application



Day 6 : Creating Batchapex For Application Form

Date : 10/01/2022

Milestone / Activity :

- Creating :-
 - ☆ Create a Batchapex for Application Form
 - ☆ Create a Scheduler Class

Description :

Batch Apex is used to run large jobs that would exceed normal processing limits. Using Batch Apex, you can process records asynchronously in batches to stay within platform limits.

Create a Application Batch Test

The screenshot shows the Salesforce Developer Console with the `ApplicationBatchTest` class open. The class implements `Database.Batchable<Object>` and contains the following code:

```
1 public class ApplicationBatchTest implements
2 Database.Batchable<Object>{
3     //start(), execute(). finish()
4     public Integer totalForms = 0; // total no of application form
5     public Integer totalConvertedForms = 0; // total no of students
6     public Database.QueryLocator start(Database.BatchableContext bc){
7         // gathers the data for you
8         String applicationQuery = 'select id, Name, Ready_To_Join__c from ApplicationForm__c';
9         return Database.getQueryLocator(applicationQuery);
10    }
11    public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
12        // process the data
13        for(Application_Form__c af : formList){
14            totalForms++;
15            if(af Ready_To_Join__c){
```

The code coverage table at the bottom right shows the following data:

Class	Percent	Lines
Overall	0%	
ApplicationBatchTest	0%	0/17
applicationschedule	0%	0/3
GetapplicationDetails	0%	0/4

Create a Application Schedule

The screenshot shows the Salesforce Developer Console with the `applicationschedule` class open. The class implements `Schedulable` and contains the following 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
15 }
```

The code coverage table at the bottom right shows the following data:

Class	Percent	Lines
Overall	0%	
ApplicationBatchTest	0%	0/17
applicationschedule	0%	0/3
GetapplicationDetails	0%	0/4

Day 7 : Creating Lightning Web Components

Date : 11/01/2022

Milestone / Activity :

- Creating :-

☆ Create College Data Table Component using

- APEX CLASS
- HTML FILE
- JAVA SCRIPT FILE
- META FILE

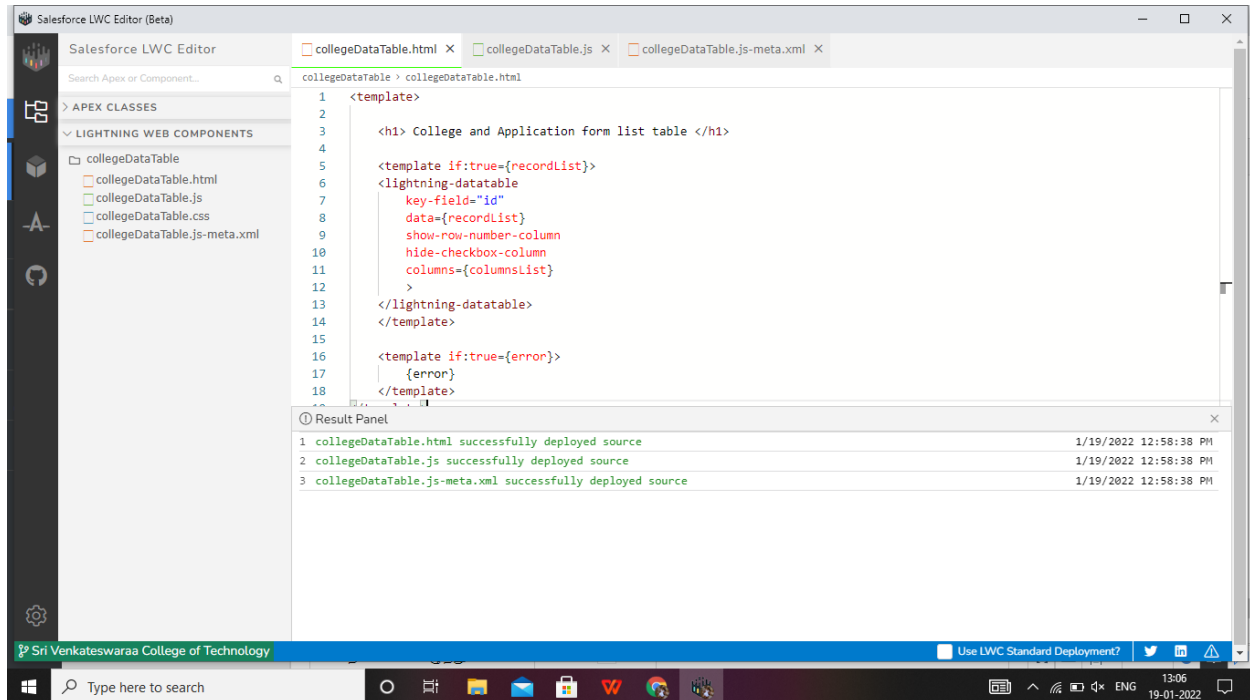
Description :

Lightning Web Components (LWC) is a stack of modern lightweight frameworks built on the latest web standards. It is a DOM (Document Object Model), element created through reusable code and is used to generate a dynamic interface without using JavaScript or building a Library.

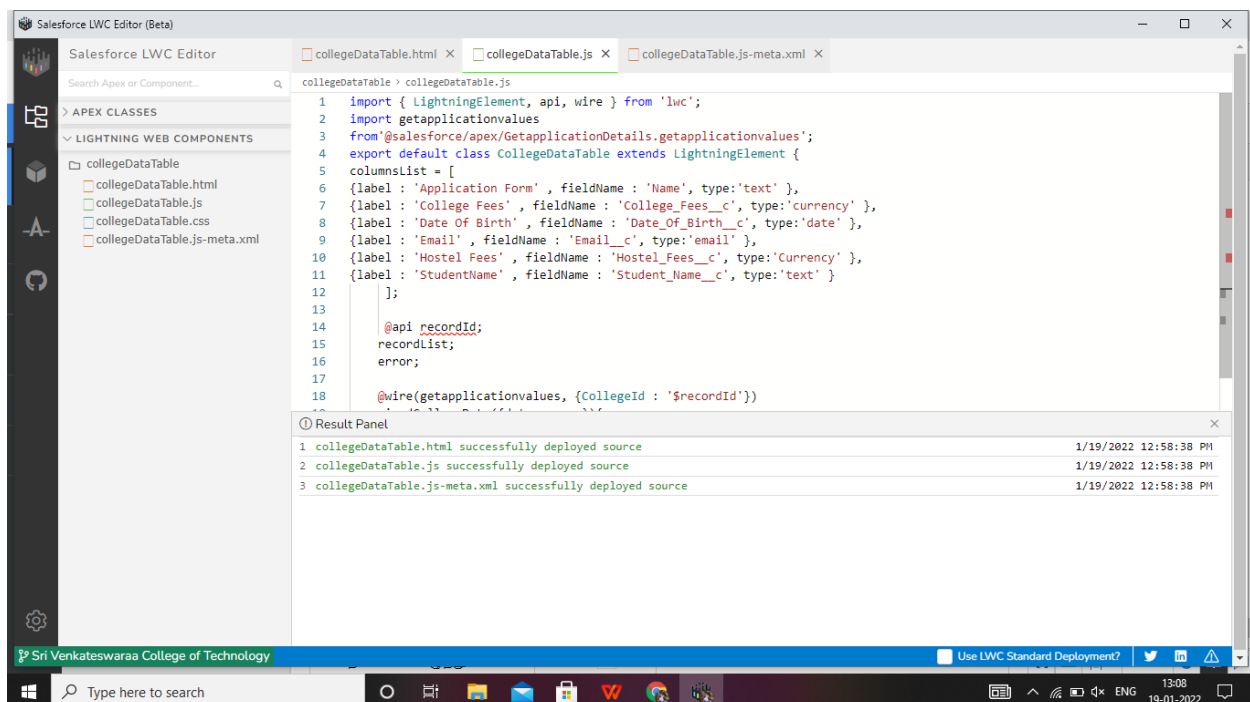
Create College Data Table Component using Apex Class



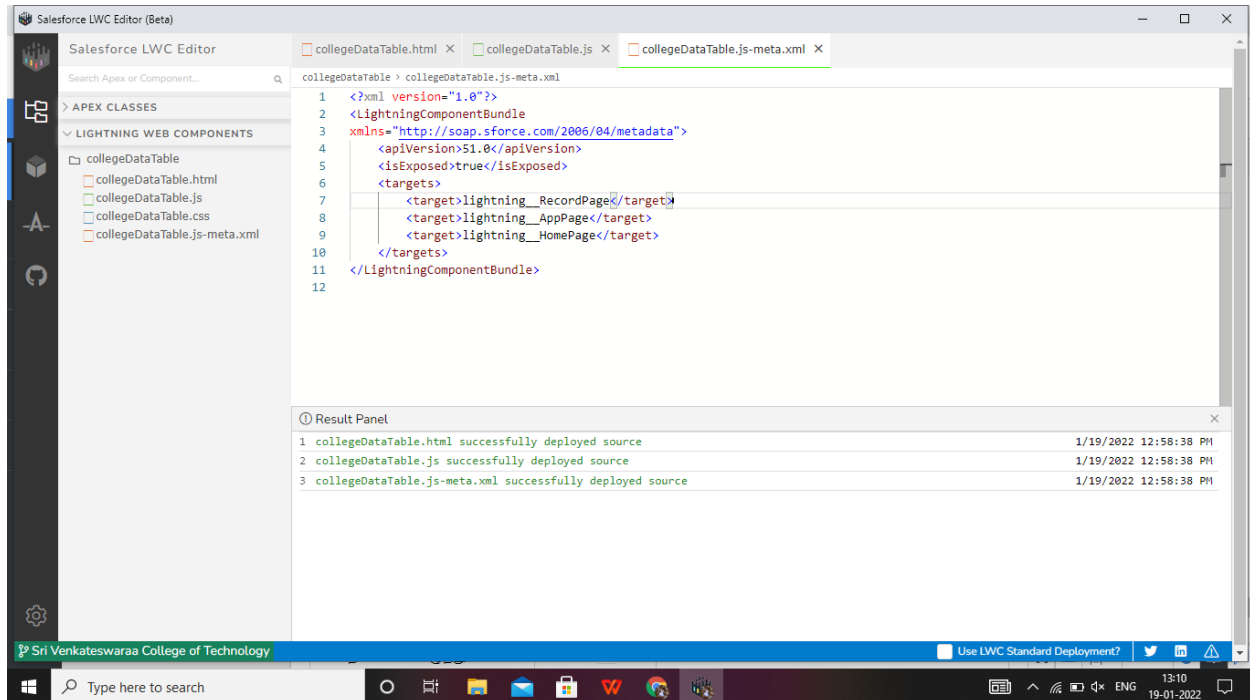
Using HTML FILE



Using JAVA SCRIPT FILE



Using META FILE



Add College Data Table Component

