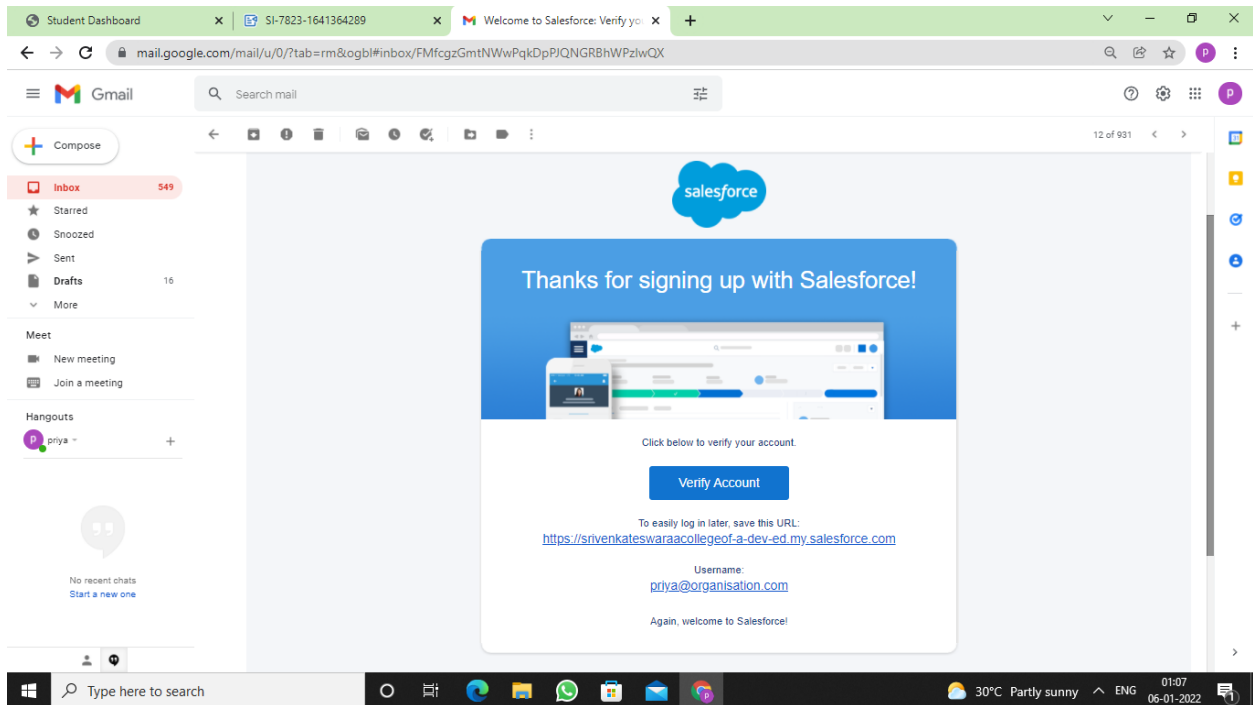


## Day 1: Create Your Salesforce Developer Org to Get Started

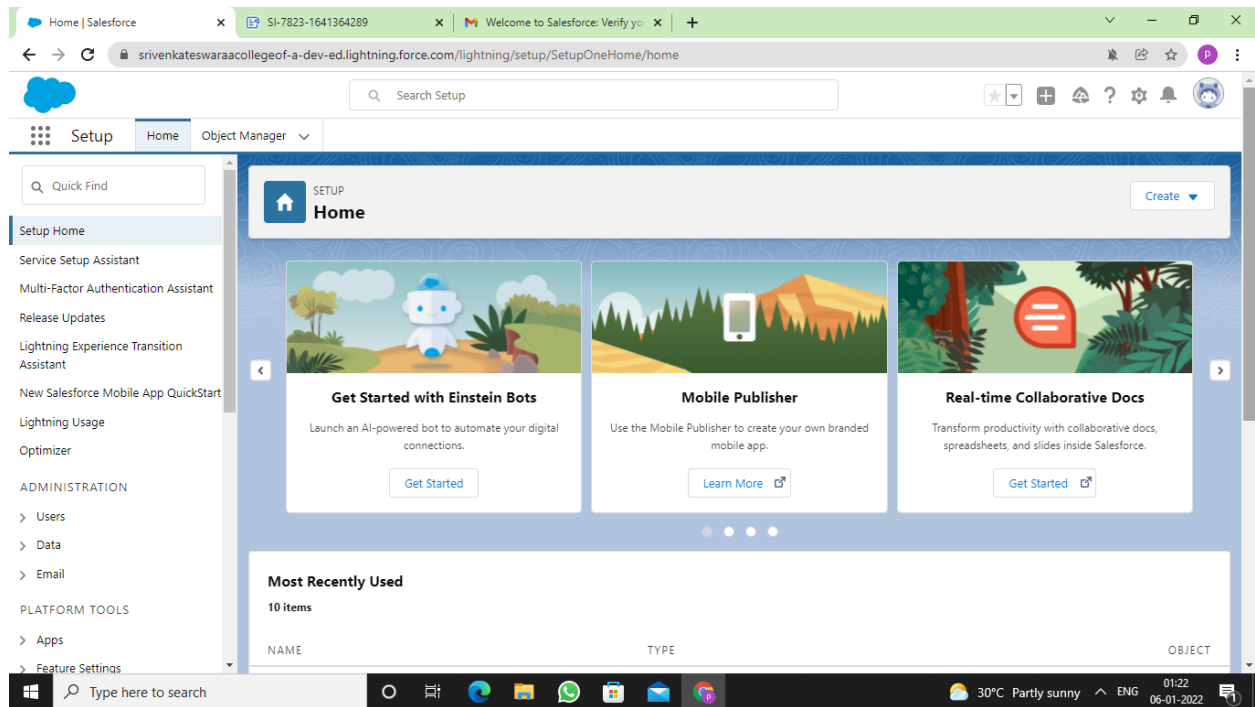
**Milestone Activities :** Created,activated,logged in.

**Description :** Successfully created the account.

### Account Activation



## Salesforce Login



## Day 2 : Custom Object creation

Milestone Activities : created the custom objects and the fields for separated objects.  
Description: Successfully created the custom objects with respected fields and relationships.

## Create Fields on College Object

College | Salesforce

SI-7823-1641364289

Welcome to Salesforce: Verify your identity

srivenkateswaracollegeof-a-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RDB7/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > 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(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)		

Type here to search

30°C Partly sunny

ENG

01:32

06-01-2022

## Create fields On Application Form Object

Application Form | Salesforce

SI-7823-1641364289

Welcome to Salesforce: Verify your identity

srivenkateswaracollegeof-a-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RDB7/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Application Form

Details

Fields & Relationships

14 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		
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 (Unique)		✓
Guardian Name	Guardian_Name__c	Text(30)		
Hostel Fees	Hostel_Fees__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		

Type here to search

29°C Mostly sunny

ENG

01:42

06-01-2022

## Create fields on Student Object

Student | Salesforce x SI-7823-1641364289 x Welcome to Salesforce: Verify your identity x +

srivenkateswaraacollegeof-a-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000RDBq/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

**Student**

Details

**Fields & Relationships** 11 Items, Sorted by Field Label

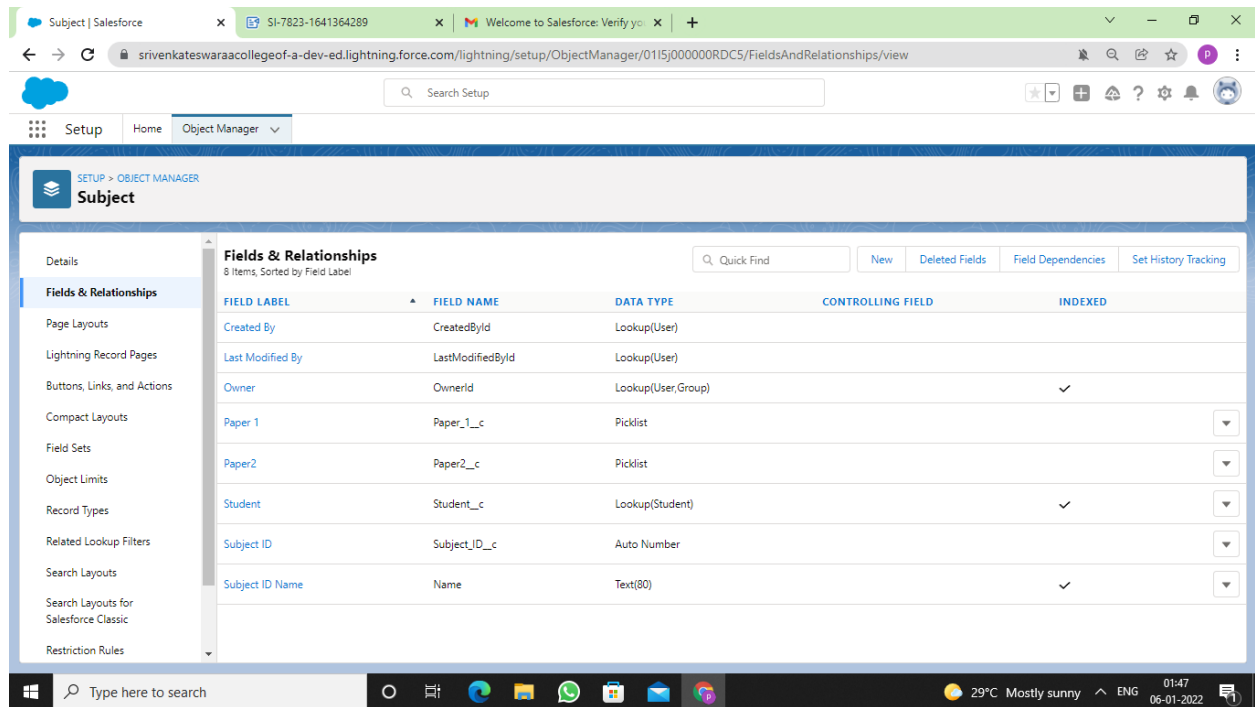
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(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		

Type here to search

29°C Mostly sunny 01:45 06-01-2022

## Create fields on Subject Object



The screenshot shows the Salesforce Object Manager interface for the 'Subject' object. The 'Fields & Relationships' tab is selected, displaying a list of fields. The table below represents the data shown in the interface.

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		
Subject ID Name	Name	Text(80)		✓

## Day 3 : Adding Business logic to Application

**Milestone Activities :** Create global picklist values ,field dependencies and validation rule.

**Description :** Sucessfully created global picklist values,field dependencies and validation rule.



## Creating Field Dependencies:

The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), 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, and Restriction Rules. The main content area is titled 'College Field Dependencies' and includes a 'Back to Custom Object: College' link. Below the title, a message states: 'This page allows you to define dependencies between fields (e.g., dependent picklists).' A table titled 'Field Dependencies' contains two entries:

Action	Controlling Field	Dependent Field	Modified By
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	Email	<a href="#">Priya Q</a> , 1/4/2022, 11:51 PM
<a href="#">Edit</a>   <a href="#">Del</a>	College Name	Capacity Of Students	<a href="#">Priya Q</a> , 1/4/2022, 11:53 PM

The bottom of the image shows a Windows taskbar with the search bar and various application icons. The system tray displays the temperature as 29°C, weather as 'Mostly sunny', and the date/time as 01:58 on 06-01-2022.

## Create validation Rule on College Object :

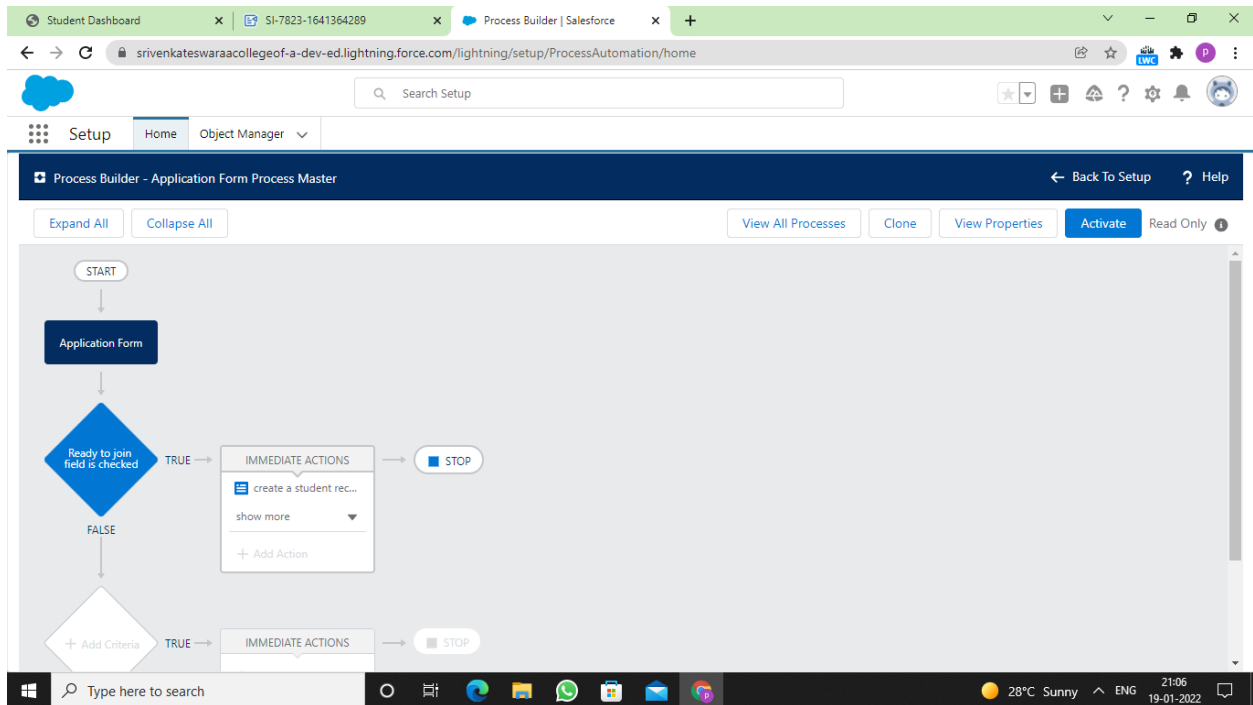
The screenshot shows the Salesforce Setup interface for the 'College' object, specifically the 'Validation Rule' page. The left sidebar is identical to the previous screenshot, with 'Fields & Relationships' selected. The main content area is titled 'College Validation Rule' and includes a 'Back to College' link. Below the title, a 'Validation Rule Detail' section contains the following information:

Validation Rule Detail		Edit		Clone	
Rule Name	College_Name_Similar	Active	<input checked="" type="checkbox"/>		
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	<a href="#">Priya Q</a> , 1/4/2022, 11:56 PM	Modified By	<a href="#">Priya Q</a> , 1/4/2022, 11:56 PM		

The bottom of the image shows a Windows taskbar with the search bar and various application icons. The system tray displays the temperature as 29°C, weather as 'Mostly sunny', and the date/time as 02:00 on 06-01-2022.

## Milestone activities : Process Automation

**Description :** Create an automation process such that when the "ready to join" field is checked on the application form object we need to create the student record automatically with the information specified in the application form record.



## Milestone Activities : Flow Builder

- Description :**
1. First deactivate the process builder which we created earlier.
  2. Now search for flows and select new flow -> record triggered flow
  3. For object select application form, in configure trigger select when the record is updated for entry criteria select as ready to join equals to true.
  4. Now create a variable named student in the resource section.
  5. Now add the assignment as follows.



Student Dashboard | SI-7823-1641364289 | Flows | Salesforce | Flow Builder

srivenkateswaraacollegeof-a-dev-ed.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=3015j000000UuJ9AAK

Flow Builder | Application form record triggered flow - V1

Auto-Layout (Beta) | Version 1: Active—Last modified 3 days ago | Run | Debug | Deactivate | Save As | Save

**Toolbox**

**Elements** | Manager

- Interaction (2)
  - Action
  - Subflow
- Logic (4)
  - Assignment
  - Decision
  - Loop
  - Collection Sort
- Data (4)
  - Create Records
  - Update Records
  - Get Records
  - Delete Records

**Start**  
Record-Triggered Flow  
Object: **Application Form**  
Trigger: **A record is updated**  
Conditions: 1  
Optimize for: **Actions and Related Records**  
[+ Add Scheduled Paths \(Optional\)](#)

**Run Immediately**

**Assignment**  
Assign student record data

**Create Records**  
create student record

Get more on the AppExchange

Type here to search | 28°C Sunny | ENG | 21:14 19-01-2022

Milestone Activities : create a batch apex for application form

Developer Console - Google Chrome

srivenkateswaraacollegeof-a-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File | Edit | Debug | Test | Workspace | Help

ApplicationBatchTest.apxc | applicationschedule.apxc | GetapplicationDetails.apxc

Code Coverage: None | API Version: 53 | Go To

```

1 public class ApplicationBatchTest implements Database.Batchable<Object> {
2
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 Application_Form__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){
16

```

**Logs** | Tests | Checkpoints | Query Editor | View State | Progress | Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

Filter | Click here to filter the log list

Type here to search | 28°C Sunny | ENG | 21:18 19-01-2022

## Milestone Activities: create a Scheduler class

```
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 }
```

User	Application	Operation	Time	Status	Read	Size
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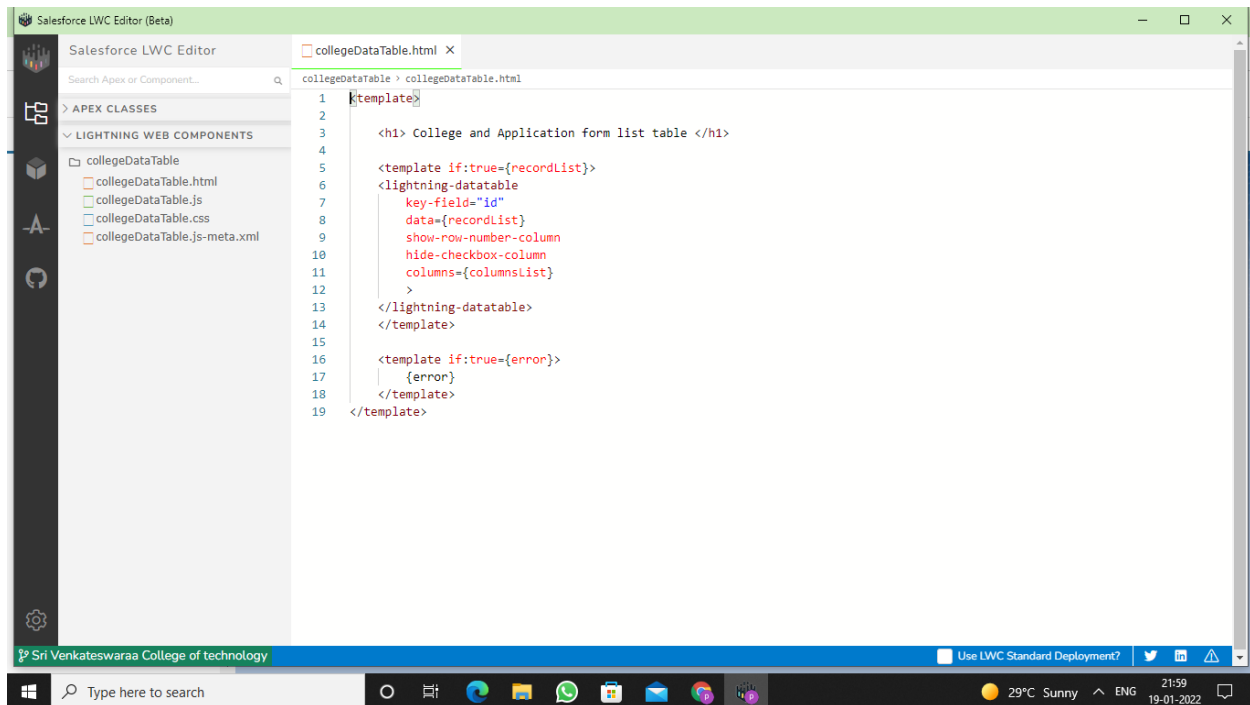
## Lightning web Components

### Milestone Activities: Apex class

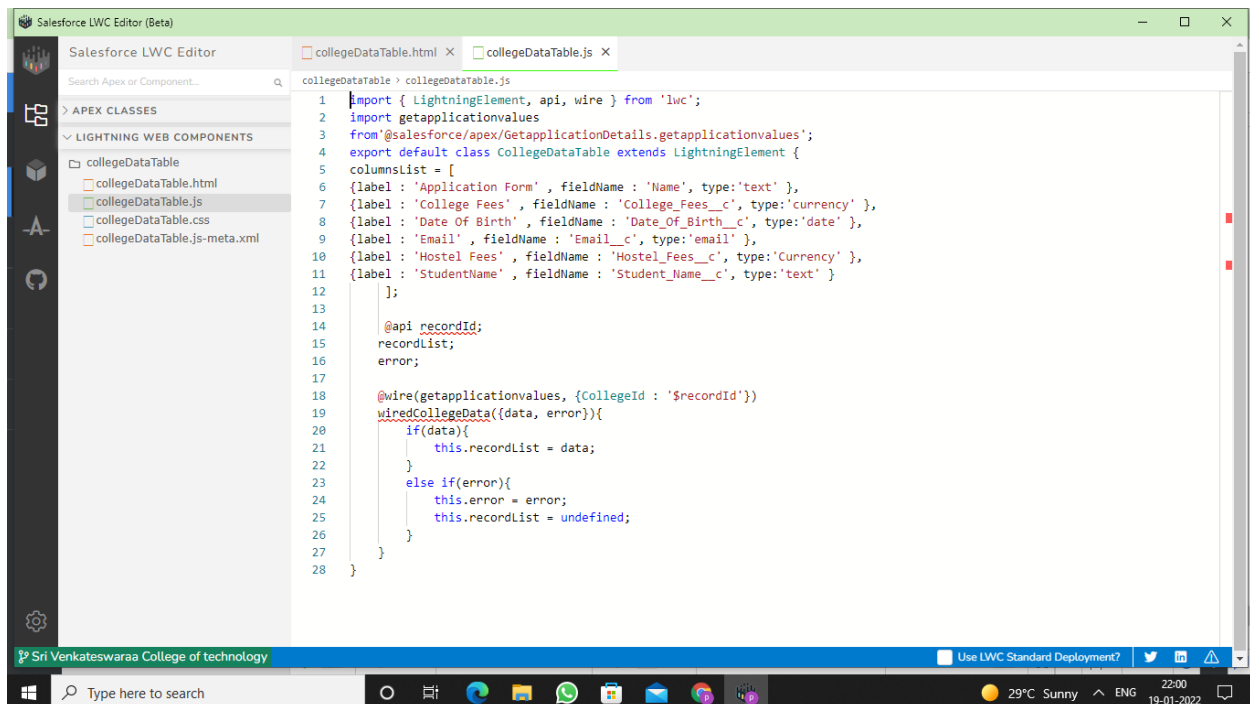
```
1 public class GetapplicationDetails
2 {
3     @AuraEnabled(cacheable=true)
4     public static List<Application_Form__c> getapplicationvalues(id CollegeId)
5     {
6
7         List<Application_Form__c> formlist = [SELECT ID, College_Fees__c, Name,
8         Date_of_Birth__c, Email__c, Hostel_Fees__c,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

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

## Html file



## Js file



## Meta xml file

