

College Management Application

Day 5:

Topic:

Batch Apex

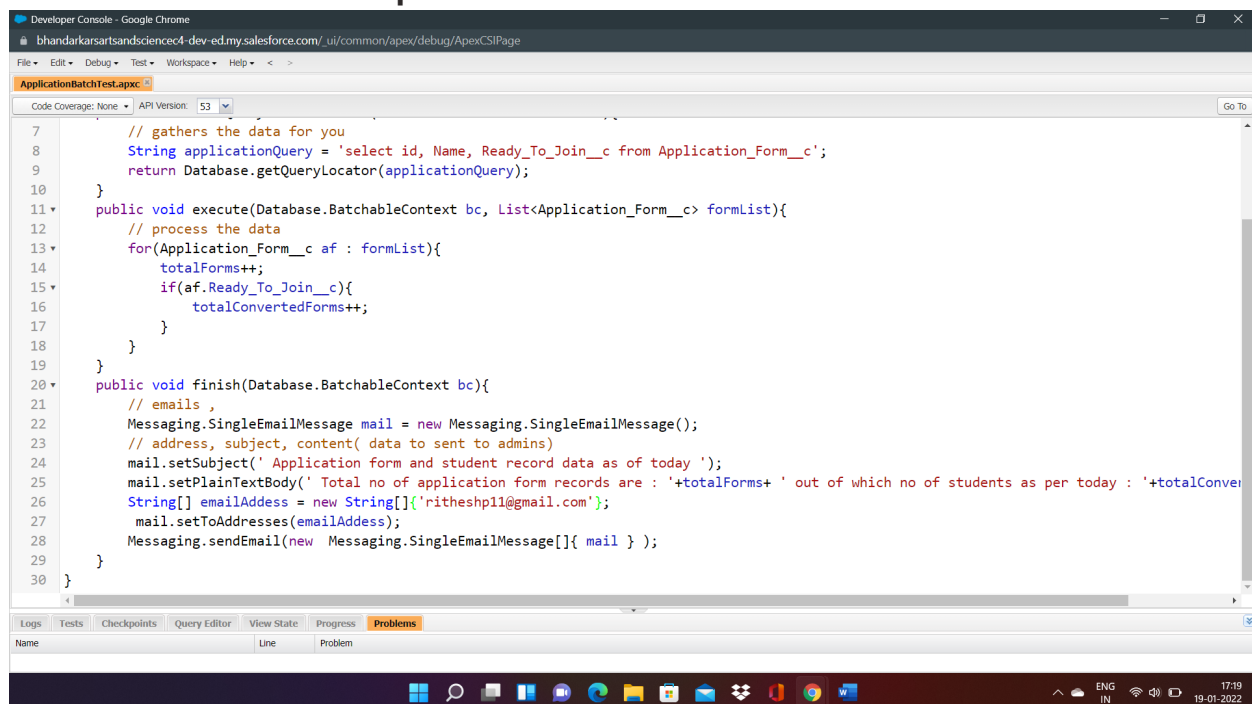
Milestone/Activities:

1.Create A Batchapex For Application Form

2.Create A Scheduler Class

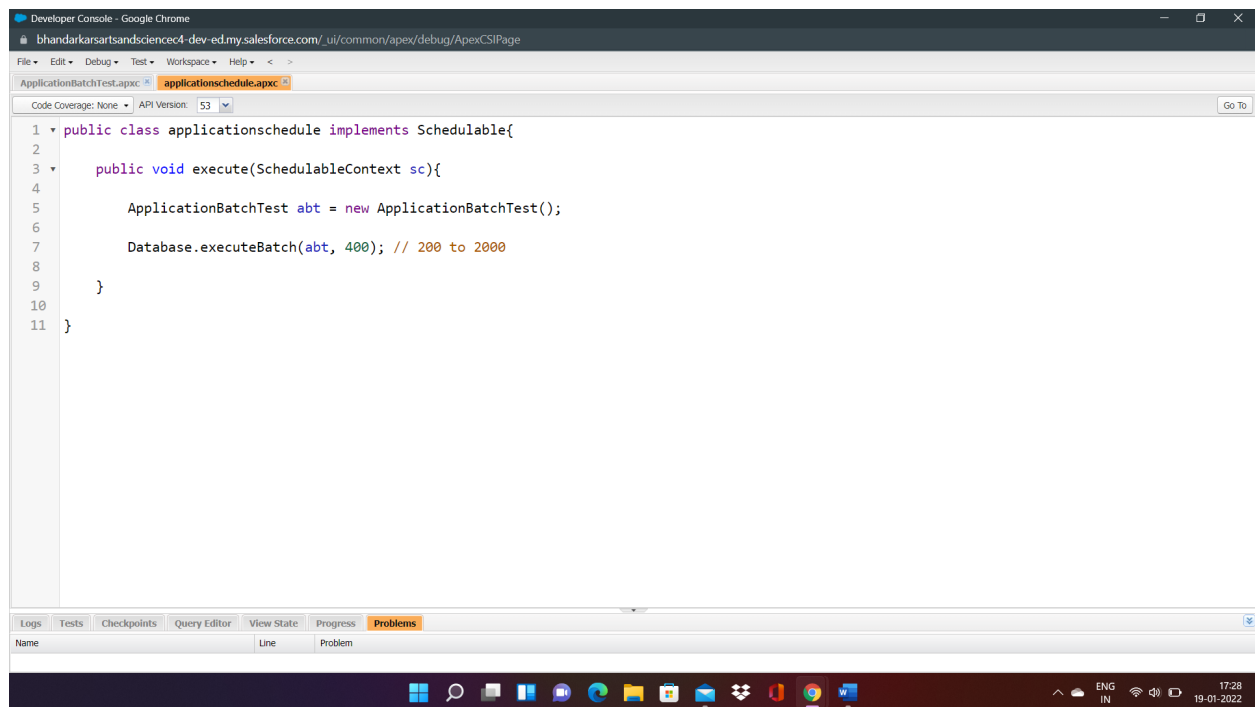
Detailed Description:

Here created the batchapex class.



```
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                 totalConvertedForms++;
17             }
18         }
19     }
20     public void finish(Database.BatchableContext bc){
21         // emails
22         Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
23         // address, subject, content( data to sent to admins)
24         mail.setSubject(' Application form and student record data as of today ');
25         mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of which no of students as per today : '+totalConvertedForms);
26         String[] emailAddress = new String[]{'ritheshp11@gmail.com'};
27         mail.setToAddresses(emailAddress);
28         Messaging.sendEmail(new Messaging.SingleEmailMessage[]{ mail } );
29     }
30 }
```

Here created the scheduler class in developer console.

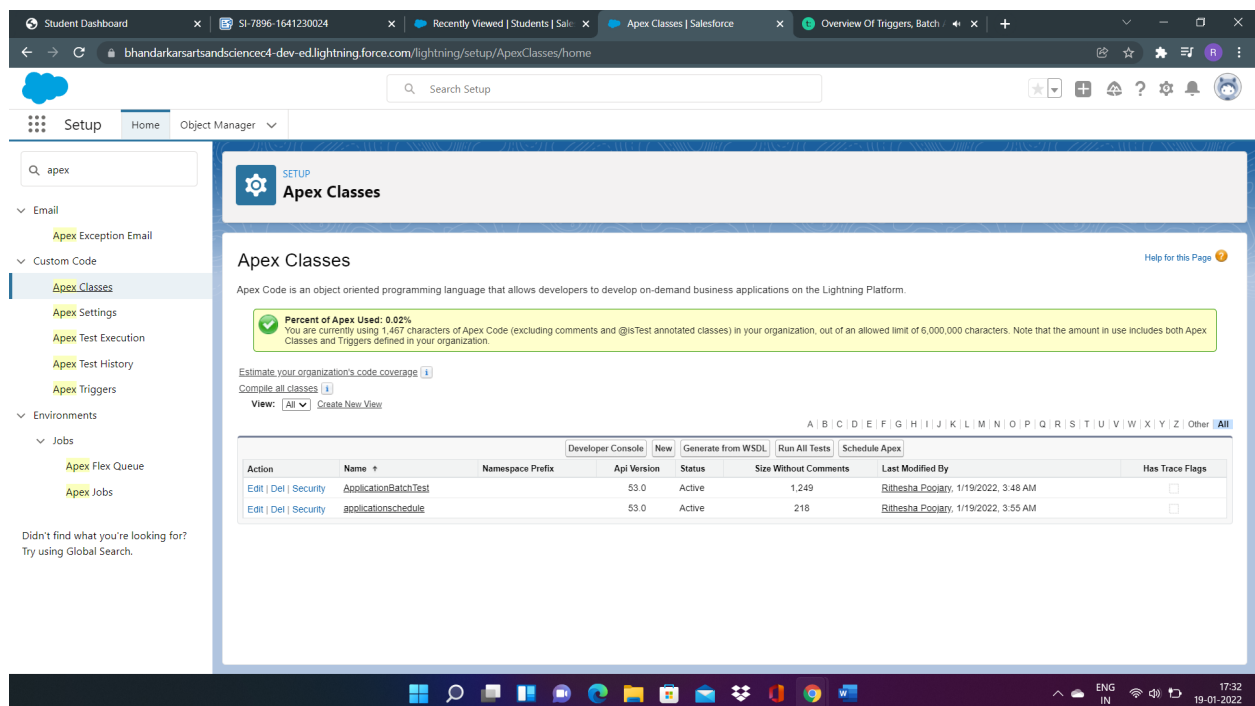


The screenshot shows the Salesforce Developer Console with the following Apex code:

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

The interface includes tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Problems tab is currently active, showing no issues.

From setup apex class and click on schedule jobs and fill the details as per our requirements.



The screenshot displays the Salesforce Setup page for Apex Classes. The left sidebar shows the navigation menu with 'Apex Classes' selected. The main content area provides information about Apex Classes and a table of existing classes.

Apex Classes

Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.

Percent of Apex Used: 0.02%
You are currently using 1,467 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.

Estimate your organization's code coverage [1]
Compile all classes [1]

View: [All] Create New View

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	ApplicationBatchTest		53.0	Active	1,249	Ritesha.Poojary, 1/19/2022, 3:48 AM	<input type="checkbox"/>
Edit Del Security	applicationschedule		53.0	Active	218	Ritesha.Poojary, 1/19/2022, 3:55 AM	<input type="checkbox"/>

Here I schedule the Apex jobs.

The screenshot shows the Salesforce user interface. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The left sidebar contains the 'Setup' menu with options like Home, Object Manager, and a search bar. The main content area is titled 'Apex Jobs' and includes a link to 'Click here to go to the new batch jobs page'. Below this, there is a table with columns: Action, Submitted Date, Job Type, Status, Status Detail, Total Batches, Batches Processed, Failures, Submitted By, Completion Date, Apex Class, Apex Method, and Apex Job ID. The table contains one row of data for a scheduled Apex job.

Action	Submitted Date	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class	Apex Method	Apex Job ID
	1/19/2022, 3:58 AM	Scheduled Apex	Queued		0	0	0	Esojary_Ritesha		applicationschedule		707560000gsULA

Day 6:

Topic:

Lightning Web Components

Milestone/Activities:

Create College DataTable Component(APEX CLASS)

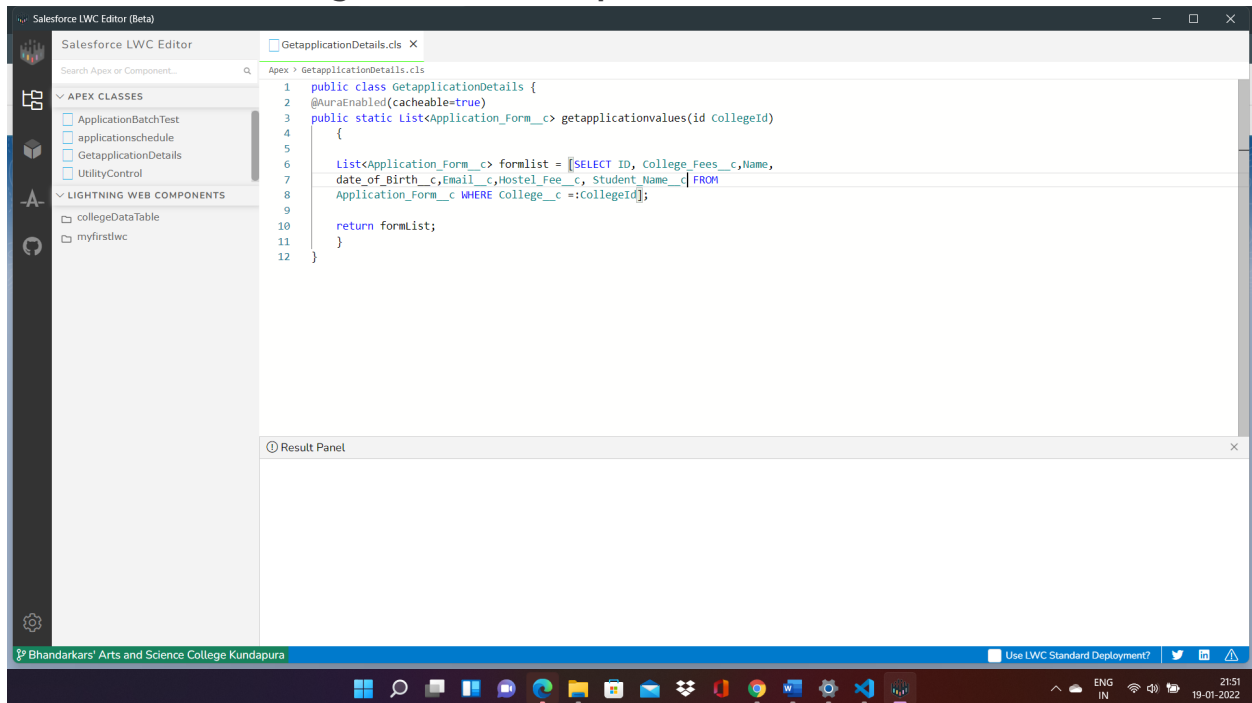
Detailed Description:

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. This feasibility makes it quick and seamless, saving the developers a ton of time and effort on the Web Stack. Let's look at some of its remarkable features:

Here we are going to create the college data table, for this we need to create an apex class, from which we are going to retrieve the data and Html, javascript files for UI .

Here created the college data table component



Day 7:

Topic:

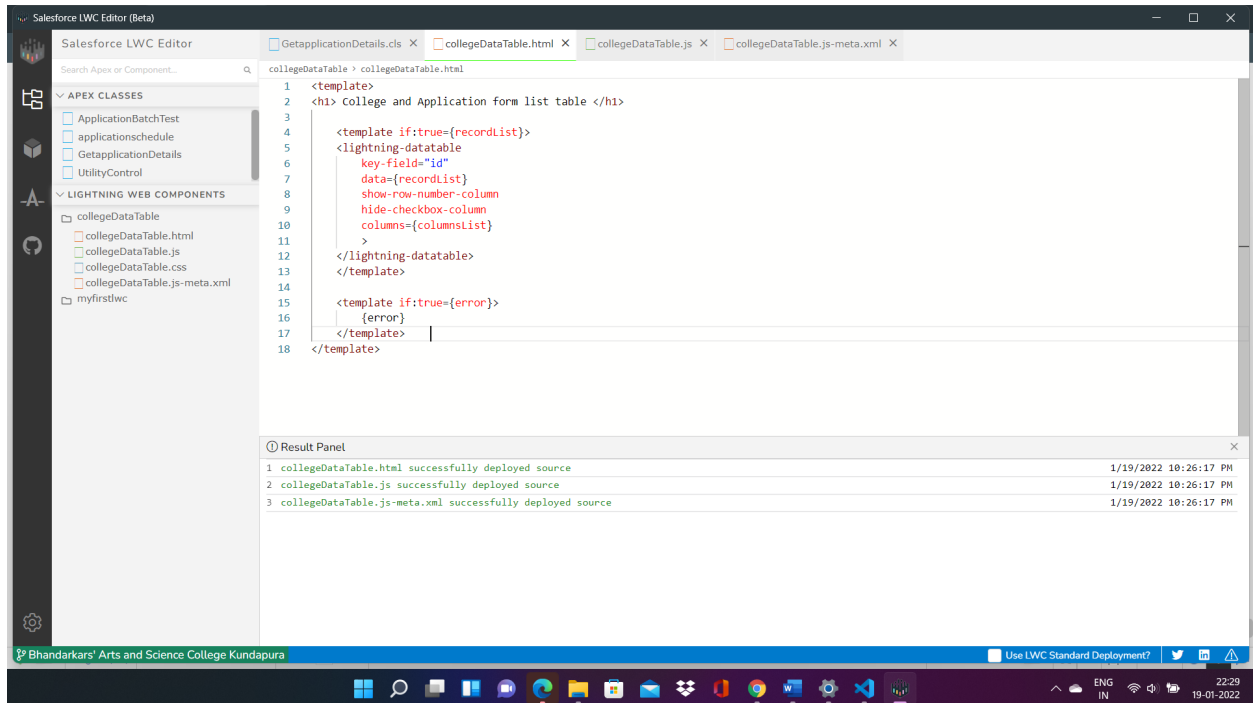
Lightning Web Components

Milestone/Activities:

Create College DataTable Component (HTML FILE)

Detailed Description:

Here I have created the html file component. Using html file we can add the title or table layout of the page layout.



Day 8:

Topic:

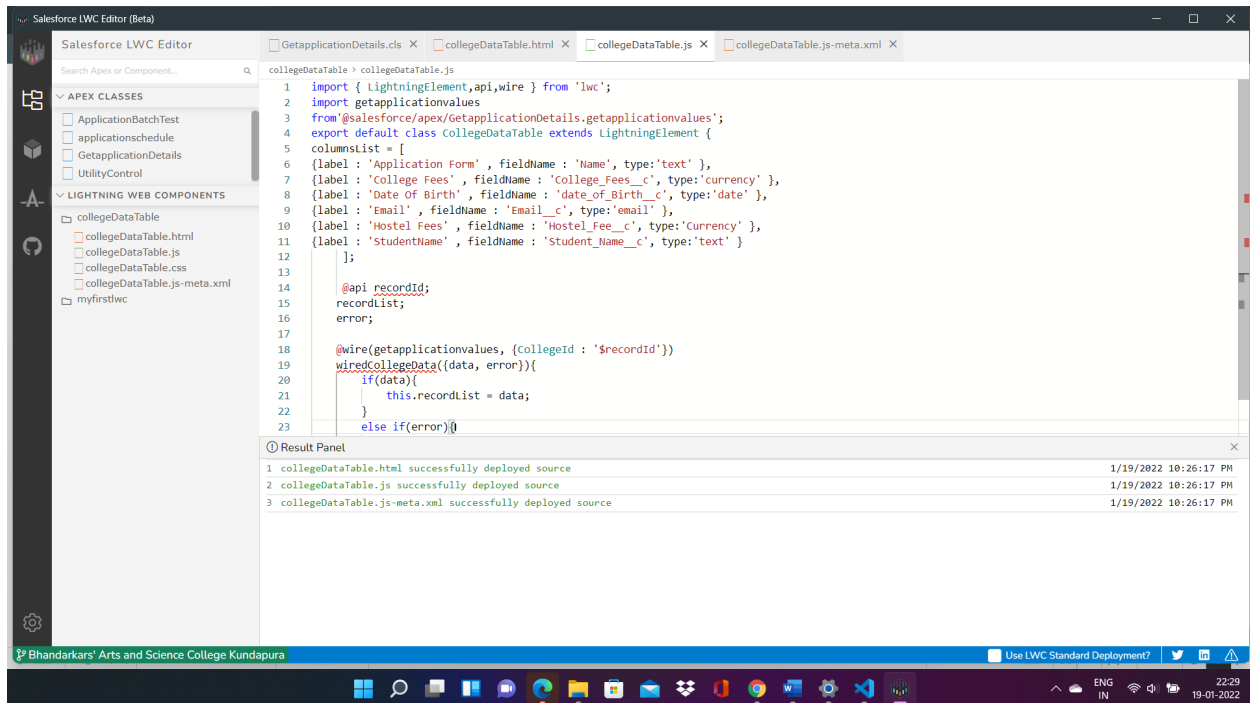
Lightning Web Components

Milestone/Activities:

Create College DataTable Component(JAVA SCRIPT FILE)

Detailed Description:

Here created the javascript file. Using javascript file we can add the label or can make attractive page.



Day 9:

Topic:

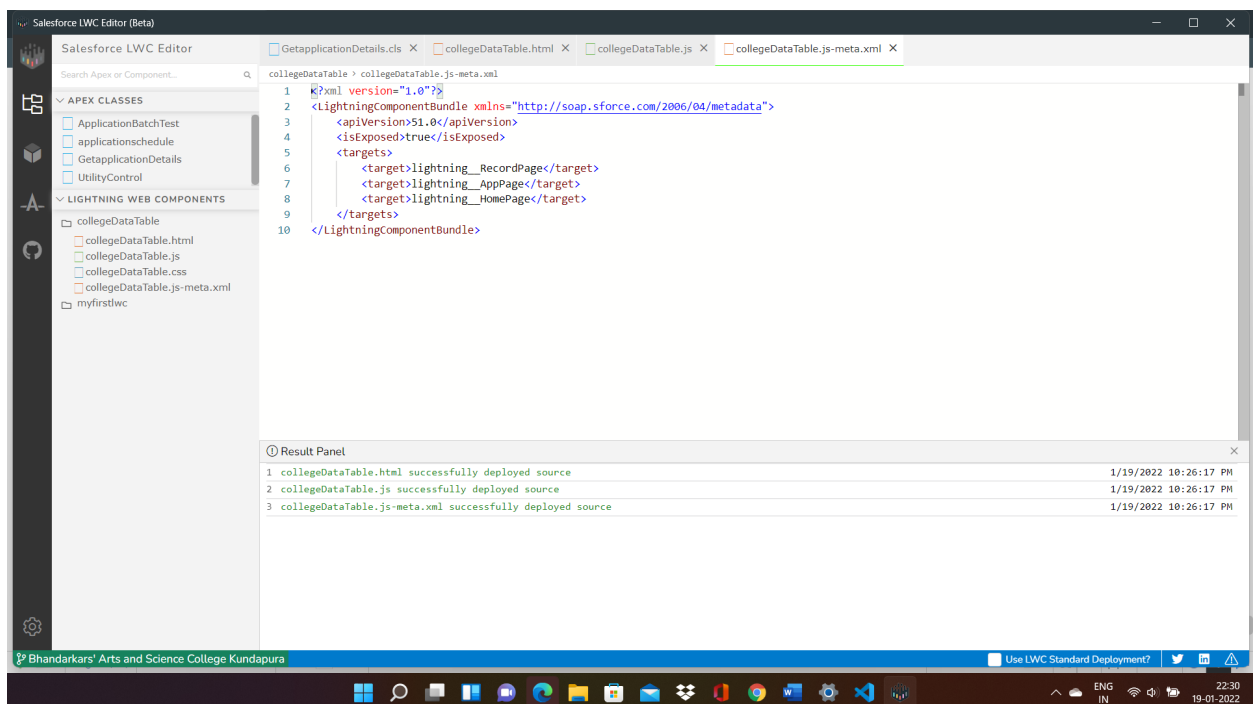
Lightning Web Components

Milestone/Activities:

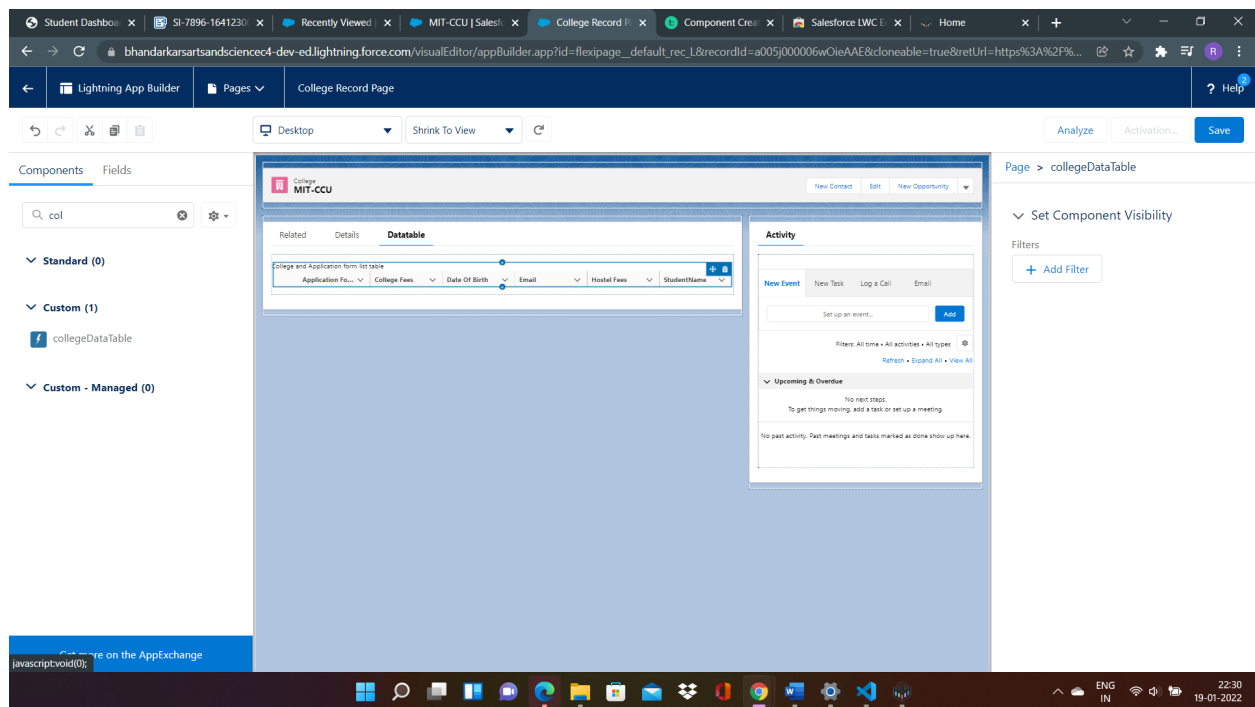
Create College DataTable Component(META FILE)

Detailed Description:

Here created the collegedatatable.js-meta.xml file



The screenshot of data table in Lightning app builder.



Here is the final output after successful completion on data table code.

