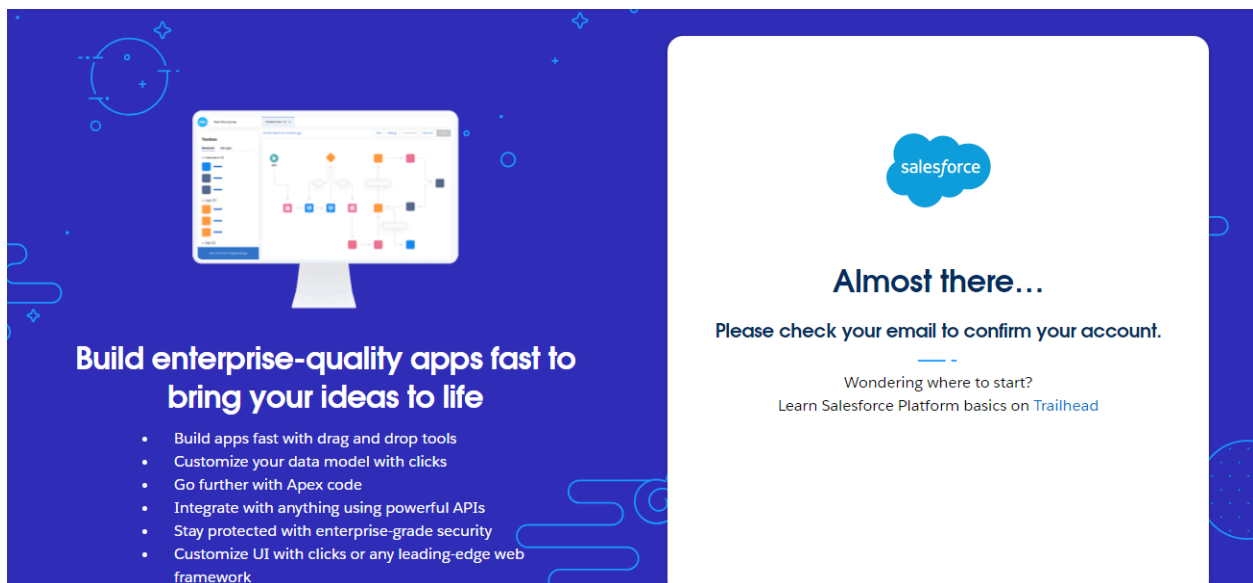Day 1 :

Topic: Create Salesforce Developer Organization

Milestone/Activities:

1) Create Salesforce Organization
2) Creating Developer Account
3) Account Activation

ScreenShots:

Salesforce Account Created:
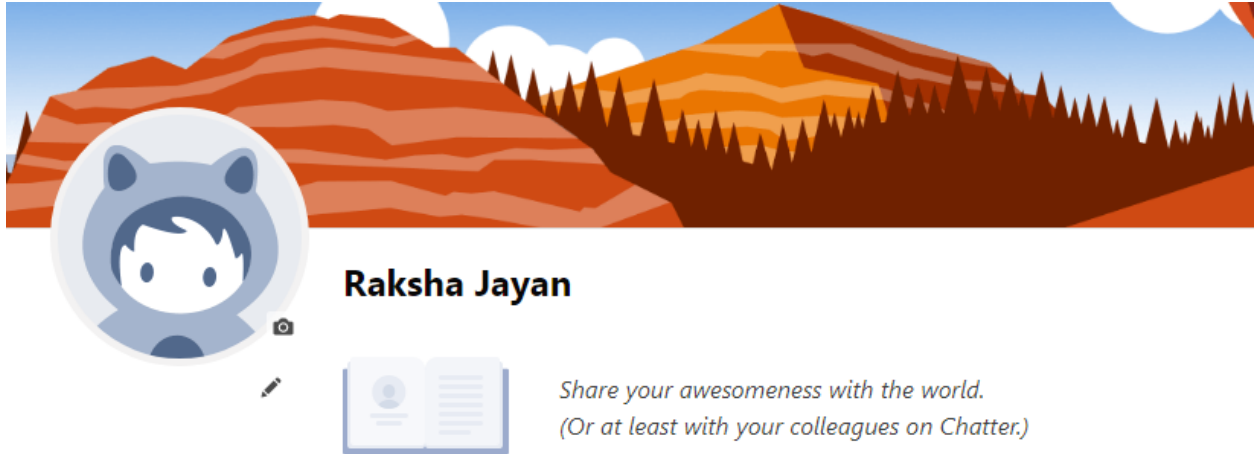
Day 2:

Topic: Setting up First APP , Custom Object And Field Creation
MileStones/ Activities:
1)Creating College Management Application
2) Creating Custom Objects:
     *College
      *Application Form
      *Student
      *Subjects
3) Creating Custom Fields under Each above Mentioned Objects

Detailed Description :

Created Various Custom Objects under the College Management Application .
Created Fields for each object using Fields and relationship tab under Object Manager
Created Fields with Data types - Currency , Texts , Formula
Set up Validation Rule for the field Record Info and Created Global Picklist Values.

ScreenShot :
Object Creation -

college

Details

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters

Details

Description

API Name
college__c

Custom
✓

Singular Label
college

Plural Label
colleges

Enable Reports

Track Activities

Track Field History

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

2) Application Form Object:

Application Form

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets

Details

Description

API Name
Application_Form__c

Custom
✓

Singular Label
Application Form

Plural Label

Enable Reports

Track Activities

Track Field History

Deployment Status

3)Student

Student

- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets

Details

Description

API Name
Student__c

Custom
✓

Singular Label
Student

Enable Reports

Track Activities

Track Field History

4) Subject:

Fields In College, Application Form, Subject and Student objects:

SETUP > OBJECT MANAGER
Application Form

| 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 |
| Search Layouts for |

Fields & Relationships
14 Items, Sorted by Field Label

Quick Find   New   Deleted Fields   Field Dependencies

FIELD LABEL ▲	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEX
Address	Address__c	Text(255)		
Application Form ID	Name	Auto Number		✓
college	college__c	Master-Detail(college)		✓
College Fee	College_Fee__c	Formula (Currency)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth__c	Date		
Email	Email__c	Email (Unique)		✓

SETUP > OBJECT MANAGER
Subject

| 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 |

Fields & Relationships
7 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			▼
Paper 2	Paper_2__c	Picklist			▼
Student	Student__c	Lookup(Student)		✓	▼
Subject ID	Name	Auto Number		✓	▼

SETUP > OBJECT MANAGER
Student

| 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 |
| Search Layouts for |

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	
Address	Address__c	Text(255)			▼
Application Form	Application_Form__c	Lookup(Application Form)		✓	▼
Created By	CreatedById	Lookup(User)			
Date of Birth	Date_of_Birth__c	Date			▼
Last Modified By	LastModifiedById	Lookup(User)			
Owner	OwnerId	Lookup(User,Group)		✓	
Phone	Phone__c	Phone			▼
Student Name	Name	Text(80)		✓	▼

Day 3

Topic: Adding Business Logic To Application
Milestone / Activities:
Creating Global Picklist Values
creating Field dependies
creating Validation Rules
Process Automation

Detailed Description
created a global picklist values and assigned them to the fields.
created field dependencies using lookup field and created connection between fields
created Validation Rules to enter the same college name in both the fields
created process builder to automate the student record collection with the data from application
Rule

uploading screenshot:
Global picklist for college name field

SETUP
Picklist Value Sets

Global Value Set Detail   Edit   Delete

▼ Information
Label   College Names
Name   College_Names
Description   List Of Colleges

Picklist Values Used

Active and inactive picklist values   7 (1,000 max)

Edit   Delete

Values		New	Reorder	Replace	Printable View	Chart Colors ▼

Action	Values	API Name	Default	Chart Colors	Modified By
Edit | Del | Deactivate	Avinashilingam University	Avinashilingam University	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	CIT	CIT	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	GCT	GCT	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	IIT-Chennai	IIT-Chennai	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	MIT- BLR	MIT- BLR	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	MIT - Delhi	MIT - Delhi	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM
Edit | Del | Deactivate	PSG	PSG	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 2:15 AM

▼ Information

Label	Paper 1
Name	Paper_1
Description	

Picklist Values Used

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

Edit   Delete

Values   New   Reorder   Replace   Printable View   Chart Colors ▼

Action	Values	API Name	Default	Chart Colors	Modified By
Edit | Del | Deactivate	Apex	Apex	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:50 AM
Edit | Del | Deactivate	C	C	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:50 AM
Edit | Del | Deactivate	C++	C++	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:50 AM
Edit | Del | Deactivate	Java	Java	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:50 AM

Inactive Values

global picklist value for Paper 2 field in subject object

▼ Information

Label	Paper 2
Name	Paper_2
Description	

Picklist Values Used

Active and inactive picklist values   3 (1,000 max)

Edit   Delete

Values   New   Reorder   Replace   Printable View   Chart Colors ▼

Action	Values	API Name	Default	Chart Colors	Modified By
Edit | Del | Deactivate	English	English	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:51 AM
Edit | Del | Deactivate	Mathematics	Mathematics	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:51 AM
Edit | Del | Deactivate	Statistics	Statistics	☐	Assigned dynamically	Raksha Jayan, 1/5/2022, 10:51 AM

Inactive Values

Creating Validation Rules
College Validation Rule

Validation Rule for Application Form

Process Builder for Student Object
creates a student record automatically when Ready to join is checked in the Application form Object
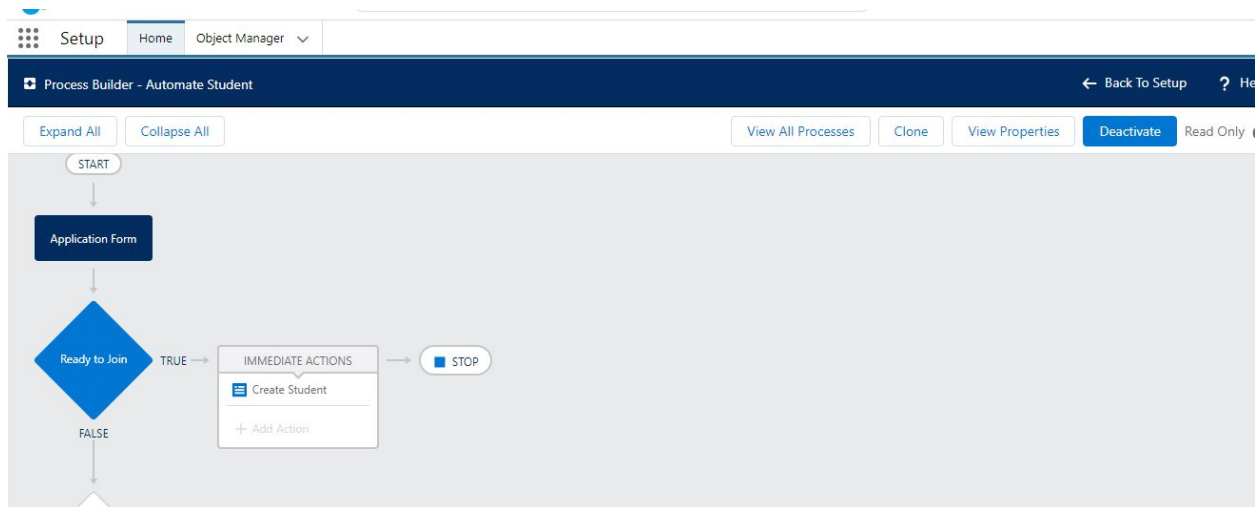
Day 4:

Topic:
Creating Email Template
workflow
Milestone / Activities:

We created a Email temolplate with Dynamic Values and then sent an email Alert when an application Form is created
And creating a Flow using Flow builder..
Detailed Description
We created a Email temolplate with Dynamic Values and then sent an email Alert when an application Form is created
created a process automation using flow builder where a student record is automatically created while ready to join checkbox is selected while creating an application form.

Uploading Screenshot:
Creating Email Alert

Email to Students

🖶 Help f

Email Alert Detail

[Edit] [Delete] [Clone]

Description	Email to Students	Email Template	Test Email Template
Unique Name	Email_to_Students	Object	Application Form
From Email Address	Current User's email address		
Recipients	User: Integration User User: Security User User: Raksha Jayan		
Additional Emails			
Created By	Raksha Jayan, 1/8/2022, 2:30 AM	Modified By	Raksha Jayan, 1/8/2022, 2:30 AM

[Edit] [Delete] [Clone]

Creating Email Template:

Email Template Detail

[Edit] [Delete] [Clone]

Folder	Unfiled Public Classic Email Templates		
Email Template Name	Test Email Template	Available For Use	✓
Template Unique Name	Test_Email_Template	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Raksha Jayan [Change]		
Description			
Created By	Raksha Jayan, 1/8/2022, 2:25 AM	Modified By	Raksha Jayan, 1/8/2022, 2:28 AM

[Edit] [Delete] [Clone]

Email Template

[Send Test and Verify Merge Fields]

| Subject | Testing

| Plain Text Preview |

Hi {!Application_Form__c.Student_Name__c},

Welcome to {!Application_Form__c.college__c}

Your College Fee is {!Application_Form__c.College_Fee__c}.

Regards,

System Administrator

Email received screenshot:

Once the Email ALert and email template is set , when we create an application form a student record is created automatically and the student will receive an email.

Testing ➤ Inbox ×

Raksha Jayan <u>via</u> h23j300rvozyqr.5j-5hkdeeas.ap27.bnc.salesforce.com
to integration@example.com, insightssecurity@example.com, me ▾

⚠️ **Be careful with this message**

This may be a spoofed message. The message claims to have been sent from your
the actual source. Avoid clicking links or replying with sensitive information, unless
message. (No need to reset your password, the real sender does not actually have
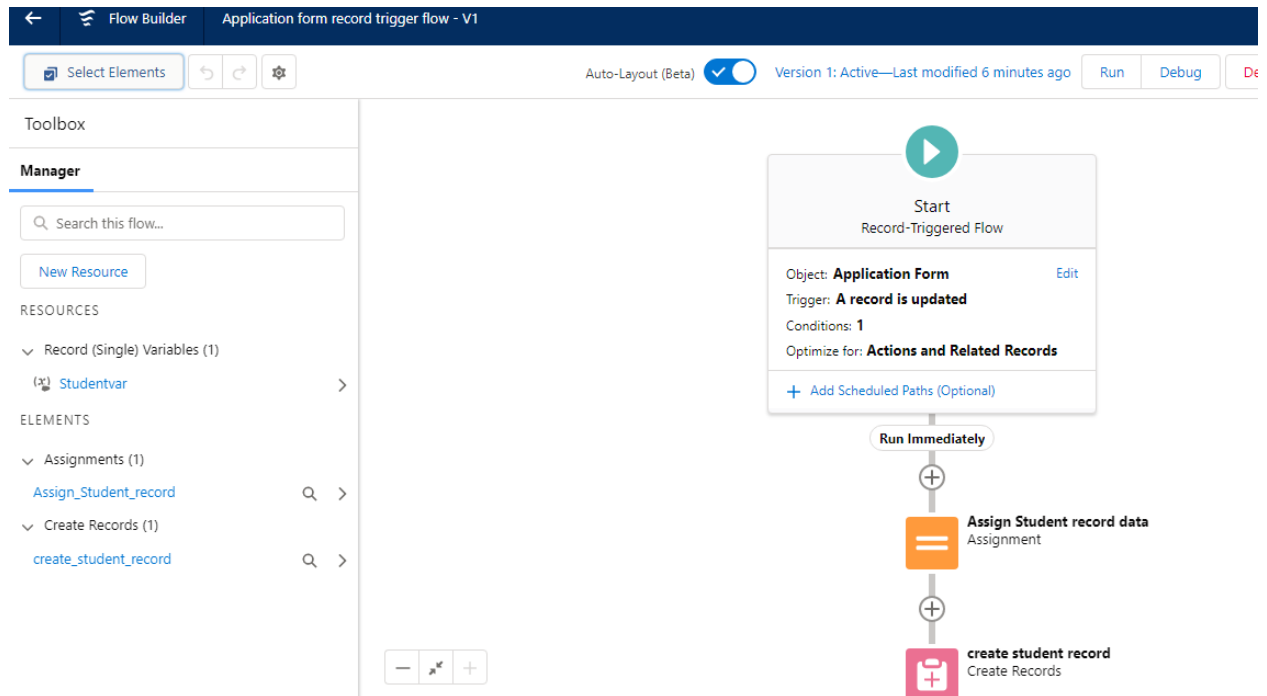
[Report spam]   Looks safe

Hi Sai,

Welcome to CIT

Your College Fee is $200,000.00.

Regards,

System Administrator

Creating Flow using flow builder:

A student record is automatically created once the ready to join is checked at application form
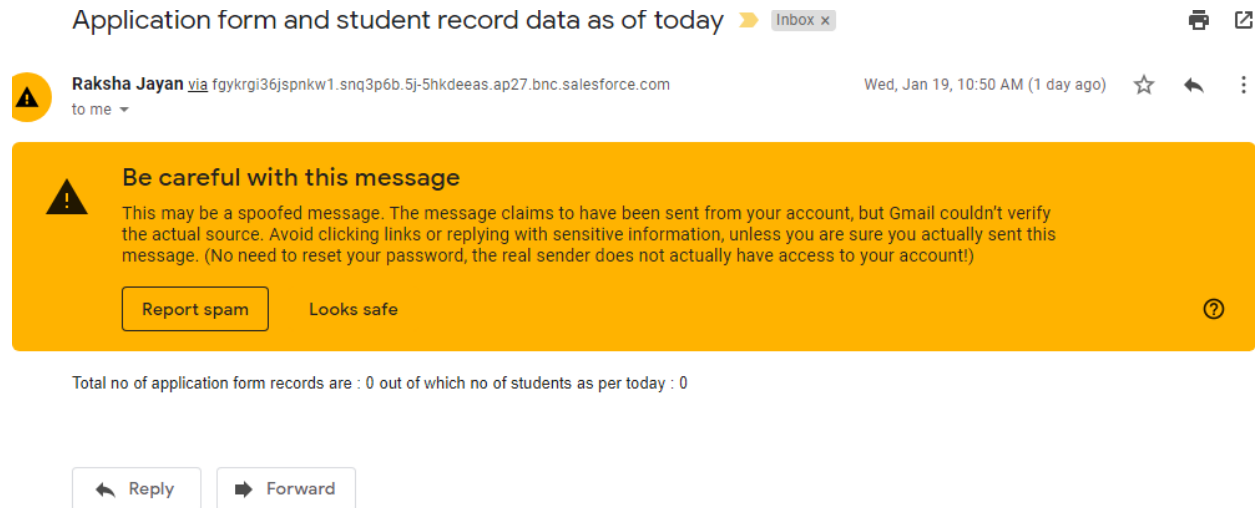

Day 5:

Topic: Batch Apex
MileStones/ Activities:
created the Apex class to send an email on the number of records at the end of the business hour

Detailed Description :

created the Apex class to send an email on the number of records at the end of the business hour

screenshot:

Topic: Schedule Apex

Milestones/Activities:
 created a batch run schedule of the Apex class using the apex code to run every friday at a particular time

Apex Jobs

Monitor the status of all Apex jobs, and optionally, abort jobs that are in progress.

View: [All ▼] Create New View

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, 10:50 PM	Batch Apex	Completed		1	1	0	Jayan, Raksha	1/19/2022, 10:50 PM	applicationform		7075j00000ic0t2
	1/18/2022, 10:54 PM	Scheduled Apex	Queued		0	0	0	Jayan, Raksha		applicationschedule		7075j00000hzpm
	1/18/2022, 10:51 PM	Batch Apex	Completed		1	1	0	Jayan, Raksha	1/18/2022, 10:51 PM	applicationform		7075j00000hzoLr
	1/18/2022, 10:49 PM	Batch Apex	Completed		1	1	0	Jayan, Raksha	1/18/2022, 10:50 PM	applicationform		7075j00000hzoYF
	1/18/2022, 10:42 PM	Batch Apex	Completed		1	1	0	Jayan, Raksha	1/18/2022, 10:42 PM	applicationform		7075j00000hzkwY

First error:
SendEmail failed.

```
1   public class applicationschedule implements Schedulable{
2
3
4
5       public void execute(SchedulableContext sc){
6
7           applicationform abt = new applicationform();
8   Database.executeBatch(abt,300); // 200 to 2000
9
10
11  |
```

LWC Components:

Topic: LWC components
Milestone/activities: created a table component by installing salesforce LWC components
Screenshots:

Salesforce LWC Editor

Build Salesforce LWC development easy and fastest.

How To Use

- Just log in to salesforce and click the "Salesforce LWC Editor" icon (browser top-right corner [chrome extension standard icon-bar]) when the icon changes to **blue** color.
- If installed for the first time, refresh the page before using it.

New Component

* Component Name

CollegeDataTable

☑ isExposed ☑ Include CSS file ☐ Include SVG file

Additional Configurations

Master Label

51 ▼

Description

Targets

☑ Record Page
☑ App Page
☑ Home Page
☐ Tab
☐ Inbox
☐ Utility Bar
☐ Flow Screen
☐ Chat Message
☐ Minimized
☐ Pre Chat
☐ Chat Header
☐ Lightning Community Page
☐ Lightning Community Default
☐ Record Quick Action

Deploy   Cancel

```
collegeDataTable > collegeDataTable.html
1    <template>
2
3    </template><h1> College and Application form list table </h1>
4
5        <template if:true={recordList}>
6        <lightning-datatable
7            key-field="id"
8            data={recordList}
9            show-row-number-column
10           hide-checkbox-column
11           columns={columnsList}
12           >
13       </lightning-datatable>
14       </template>
15
16       <template if:true={error}>
17           {error}
18       </template>
```

APEX CLASSES
- applicationform
- applicationschedule
- BatchApex
- GetapplicationDetails

LIGHTNING WEB COMPONENTS
- collegeDataTable
  - collegeDataTable.html
  - collegeDataTable.js
  - collegeDataTable.css
  - collegeDataTable.js-meta.xml

Search Apex or Component...

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

---

raksha6-dev-ed.lightning.force.com/lightning/r/college__c/a015j000008A7esAAC/view

College Manageme...   Home   colleges   Application Forms   Students   Subjects

All   Search colleges and more...

college
Avinashilingam University

New Contact   Edit   New Opportunity

Related   **Details**   Datatable

College Name
Avinashilingam University

College Fee

College Email
Avi@AVINUTITY.COM

Hostel Fee

Number Of Seats
3000-6000

Owner
Raksha Jayan

Created By
Raksha Jayan, 1/5/2022, 10:41 AM

Last Modified By
Raksha Jayan, 1/5/2022, 10:42 AM

record info
Avinashilingam University