

Project : College Management Application

Day-1 :

Topic: Create Your Salesforce Developer Org To Get Started

Milestone/Activities : Creating Developer account, Account activation, Login to your Salesforce Account

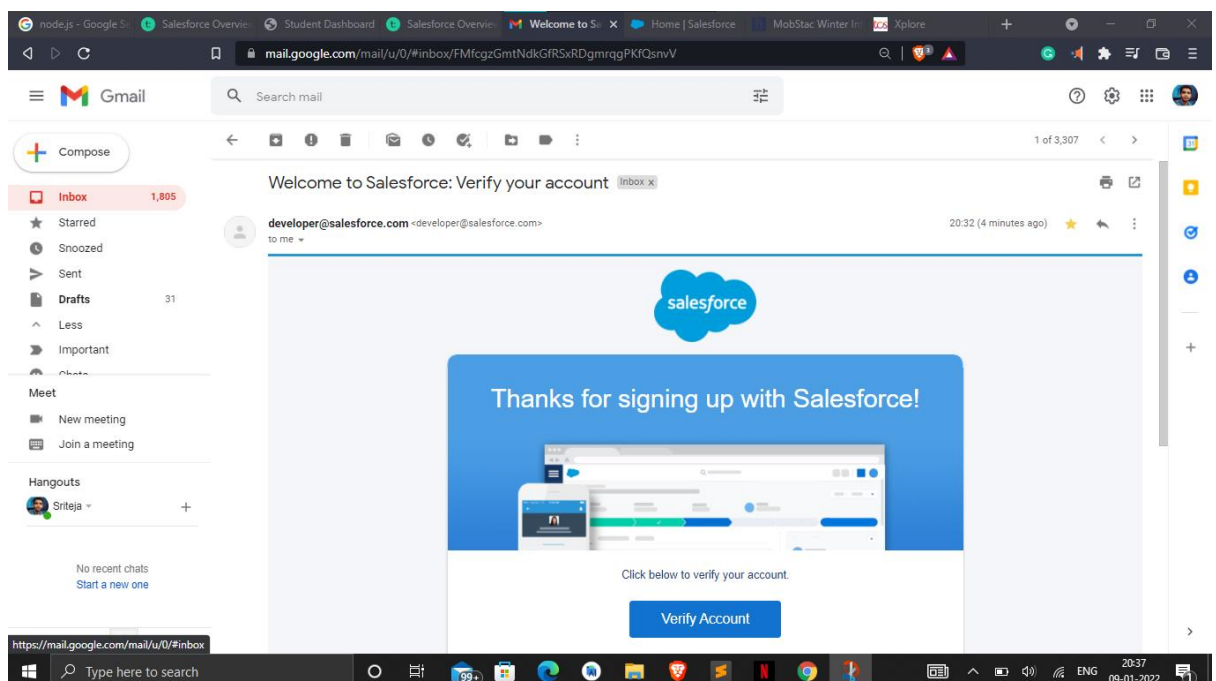
Description :

Creating a developer org in salesforce :

1. Go to developers.salesforce.com/
2. Click on sign up.
3. On the sign up form, enter the following details :
 1. First name : Sriteja & Last name : Valaboju
 2. Email : sritejavalaboju000@gmail.com
 3. Role : Developer
 4. Company : Chaitanya Institute of Technology and Science
 5. County : India
 6. Postal Code : 506015
 7. Username : sriteja@chaitanyainstitute.com

Click on sign up after filling these.

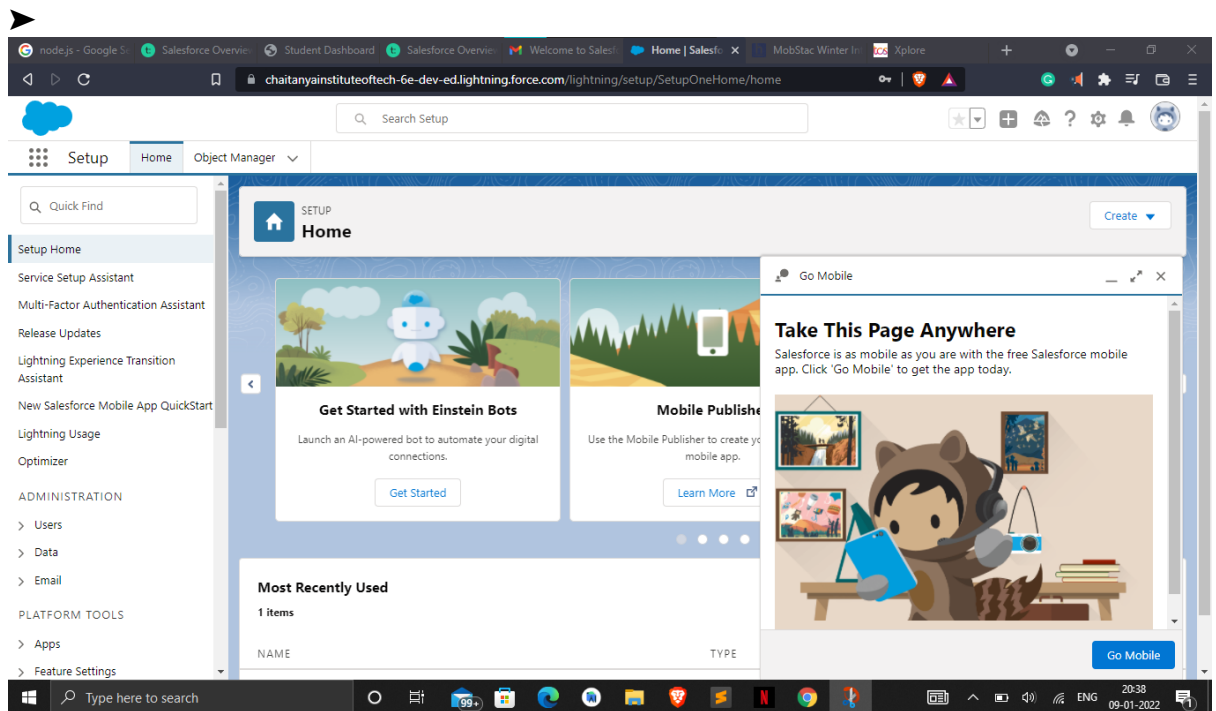
Account Activation :



- Verified mail account and activated the account.

Login to your Salesforce Customer Account :

- Logged into salesforce account using <https://login.salesforce.com/> link.



Day-2 :

Topic: Custom Object Creation

Milestone/Activities : Create the custom objects for the Application, Create Fields on college object

Description :

Created a College custom object and created Fields for the custom object College.

Fields for College are:

- Record Info
- College Name
- Email
- College Fees
- Hostel Fees
- Capacity of Students
- Validation Rules

Student Dashboard

College | Salesforce

+

chaitanyainstituteoftech-6e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000e3ZE/FieldsAndRelationships/view

Q 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

Search Layouts for Salesforce Classic

Restriction Rules

Triggers

Validation Rules

Fields & Relationships

10 Items. Sorted by Field Label

Q 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 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		
Hostel Fees	Hostel_Fees__c	Currency(6, 2)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Record Info	Record_Info__c	Text(50)		

Day-3 :

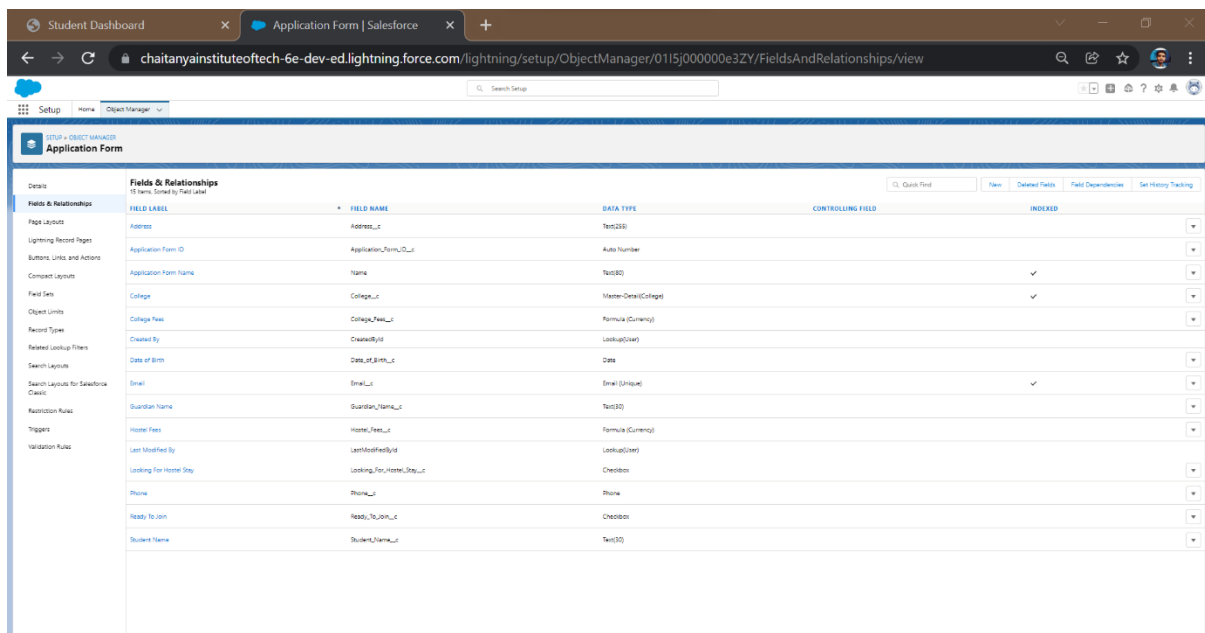
Topic: Custom Object Creation

Milestone/Activities : Create the custom objects for the Application Form, Student, Subject, Create Fields on Application Form object, Student object, Subject object, Adding Business Logic to Application

Description :

Created a Application Form custom object and created Fields for the custom object Application Form.

Application Form Object and Fields:



The screenshot shows the Salesforce Setup interface for the 'Application Form' custom object. The 'Fields & Relationships' section is active, displaying a list of 15 fields. The fields are sorted by their label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed status. The fields listed are: Address, Application Form ID, Application Form Name, College, College Fee, Created By, Date of Birth, Email, Guardian Name, Hostel Fee, Last Modified By, Looking For Hostel Stay, Phone, Ready To Join, and Student Name.

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 Fee	College_Fee__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 Fee	Hostel_Fee__c	Formula (Currency)		
Last Modified By	LastModifiedById	Lookup(User)		
Looking For Hostel Stay	Looking_For_Hostel_Stay__c	Checkbox		
Phone	Phone__c	Phone		
Ready To Join	Ready_To_Join__c	Checkbox		
Student Name	Student_Name__c	Text(30)		

Student Object Student Fields :

Student Dashboard x Student | Salesforce x +

chaitanyainstituteoftech-6e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000e3Zd/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Student

Details

Fields & Relationships
10 Items, Sorted by Field Label

Q 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		
Student Name	Name	Text(80)		✓

Subject Object and Subject Fields :

Student Dashboard x Student | Salesforce x +

chaitanyainstituteoftech-6e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000e3ZU/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Subject

Details

Fields & Relationships
8 Items, Sorted by Field Label

Q 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	Subject_ID__c	Auto Number		
Subject Name	Name	Text(80)		✓

Creating Global Picklist Values :

The screenshot shows the Salesforce Setup interface for 'Picklist Value Sets'. The left sidebar contains a search bar with 'picklist' and a navigation menu with 'Data', 'Picklist Settings', 'State and Country/Territory', 'Picklists', 'Objects and Fields', and 'Picklist Value Sets'. The main content area has a header 'SETUP Picklist Value Sets' and a sub-header 'Picklist Value Sets'. Below this, 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:' dropdown is set to 'All', and a 'Create New View' link is present. A table titled 'Global Value Sets' shows a list of values: 'College', 'Paper_1', and 'Paper_2'. The table has columns for 'Action' (Edit, Del) and 'Label'. A 'New' button is located above the table.

Student Dashboard x Welcome to SmartInternz! Deflig x Picklist Value Sets | Salesforce x

chaitanyainstituteoftech-6e-dev-ed.lightning.force.com/lightning/setup/Picklists/page?address=%2F_ui%2Fplatform%2Fui%2Fschema%2Fwizard%2Fpicklist%2...

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.

SETUP Picklist Value Sets

Picklist Value Sets

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

Global Value Sets New

Action	Label	Description
Edit Del	College	
Edit Del	Paper_1	
Edit Del	Paper_2	
Deleted Global Value Sets (0)		

Creating Validation Rule :

The screenshot shows the Salesforce Setup interface for a 'College Validation Rule'. The left sidebar contains a search bar with 'Search Setup' and a navigation menu with 'Setup', 'Home', and 'Object Manager'. The main content area has a header 'SETUP > OBJECT MANAGER College' and a sub-header 'College Validation Rule'. Below this, there is a 'Validation Rule Detail' section. The 'Rule Name' is 'College_name_similar'. The 'Error Condition Formula' is 'TEXT(College_Name__c) <> Name'. The 'Error Message' is 'Please use the college names in the record.' The 'Error Location' is 'Top of Page'. The 'Description' is 'Created By: Sriteja Valaboju, 1/16/2022, 5:48 AM'. The 'Modified By' is 'Sriteja Valaboju, 1/16/2022, 5:48 AM'. The 'Active' checkbox is checked. There are 'Edit' and 'Clone' buttons for the rule.

Student Dashboard x College | Salesforce x

chaitanyainstituteoftech-6e-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000e3ZE/ValidationRules/03d5j000000LZl0AAG/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER College

College Validation Rule

Back to College

Validation Rule Detail

Rule Name College_name_similar Active ☒

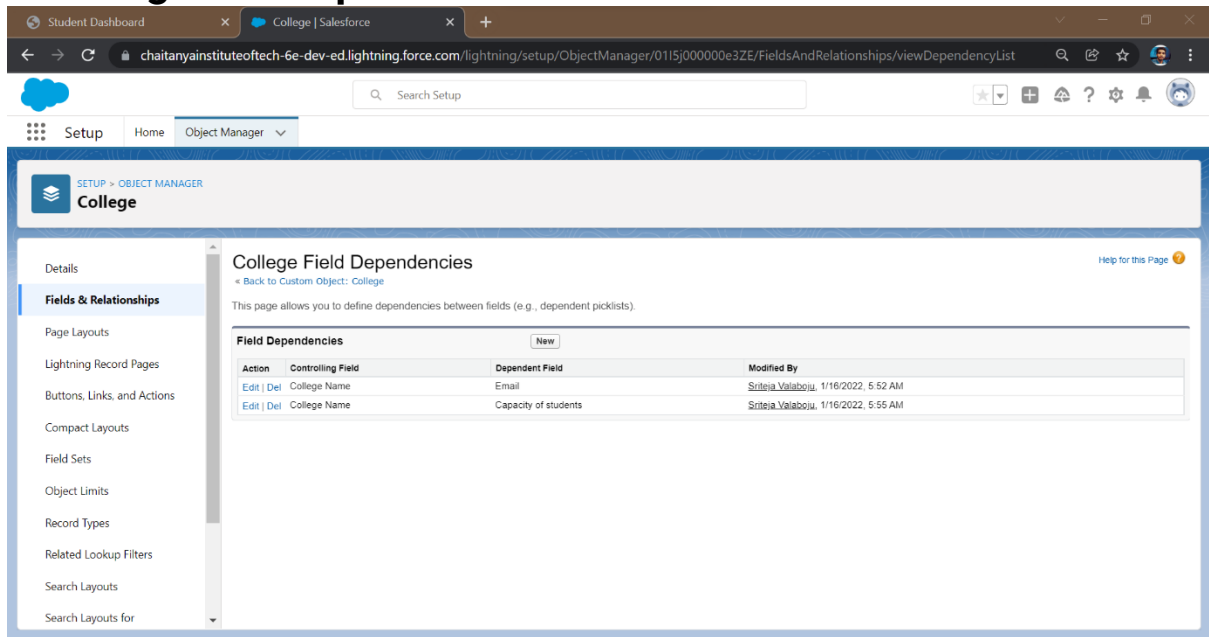
Error Condition Formula TEXT(College_Name__c) <> Name

Error Message Please use the college names in the record. Error Location Top of Page

Description Created By Sriteja Valaboju, 1/16/2022, 5:48 AM Modified By Sriteja Valaboju, 1/16/2022, 5:48 AM

Edit Clone

Creating Field Dependencies :



The screenshot shows the Salesforce Setup interface for a custom object named 'College'. The left sidebar contains a navigation menu with options like 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, and Search Layouts for. The main content area is titled 'College Field Dependencies' and includes a 'New' button. Below this is a table listing existing field dependencies.

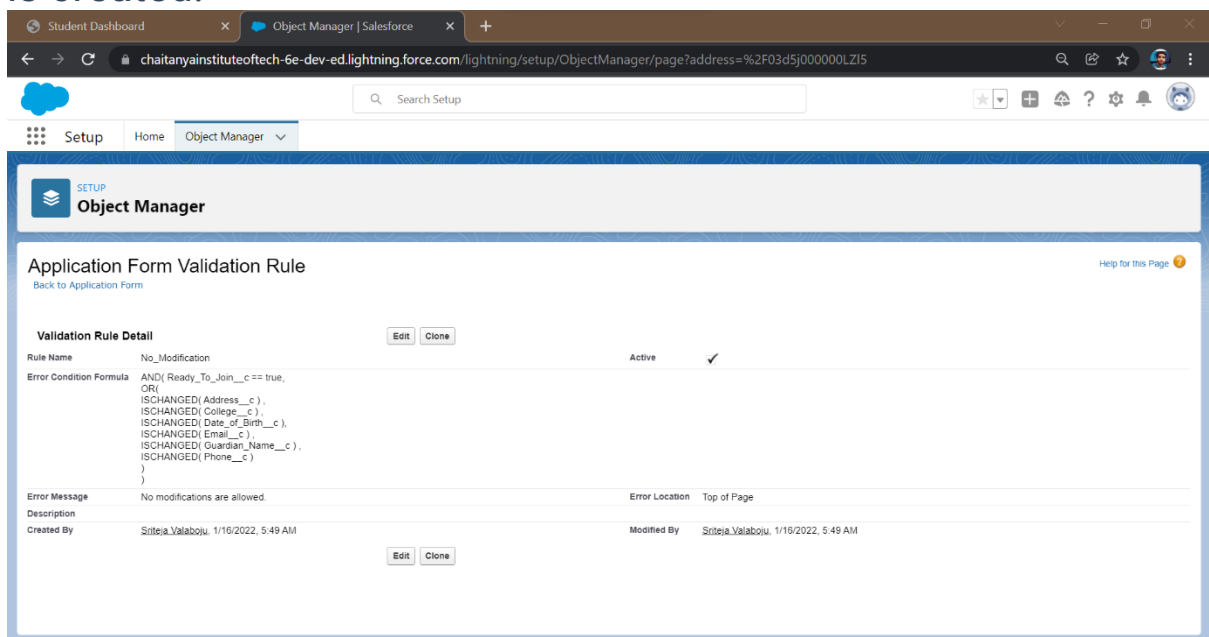
Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	Email	Sriteja Valabolu, 1/16/2022, 5:52 AM
Edit Del	College Name	Capacity of students	Sriteja Valabolu, 1/16/2022, 5:55 AM

Day-4 :

Topic : Validation Rule

Description :

Created a validation rule on the application form object to stop any modification on the application form once a student record is created.



The screenshot shows the Salesforce Setup interface for a validation rule named 'Application Form Validation Rule'. The left sidebar contains a navigation menu with options like 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, and Search Layouts for. The main content area is titled 'Application Form Validation Rule' and includes a 'Back to Application Form' link. Below this is a 'Validation Rule Detail' section with a table containing the rule's details.

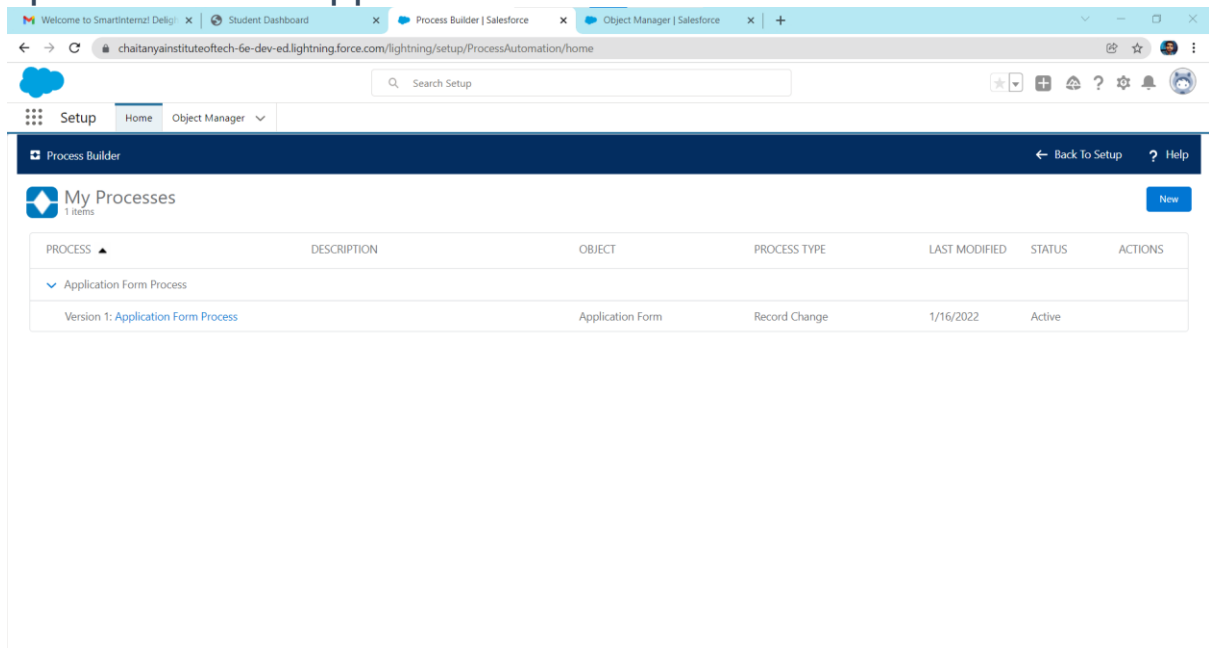
Validation Rule Detail		Active	
Rule Name	No_Modification	Active	✓
Error Condition Formula	AND(Ready_To_Join__c == true, OR(ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(Date_of_Birth__c), ISCHANGED(Email__c), ISCHANGED(Guardian_Name__c), ISCHANGED(Phone__c))))		
Error Message	No modifications are allowed.	Error Location	Top of Page
Description			
Created By	Sriteja Valabolu, 1/16/2022, 5:49 AM	Modified By	Sriteja Valabolu, 1/16/2022, 5:49 AM

Day-5 :

Topic : Process Automation

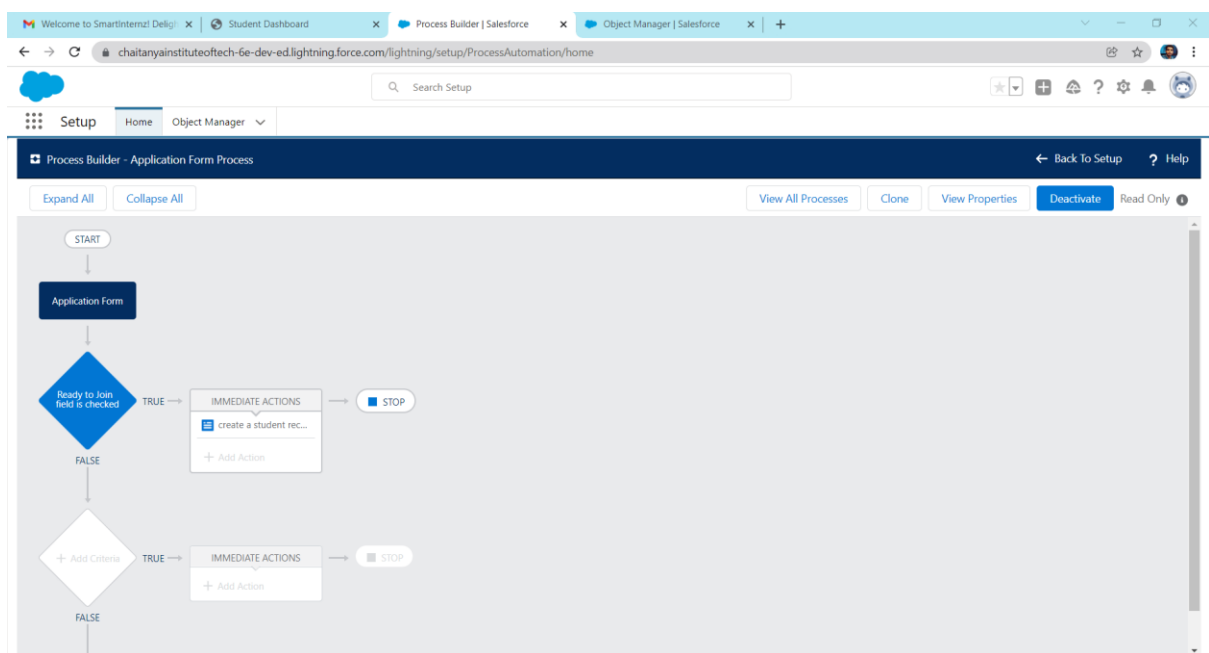
Description :

Created an automation process such that when the "ready to join" field is checked on the application form object it will to create the student record automatically with the information specified in the application form record.



The screenshot shows the Salesforce Process Builder interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main header is 'Process Builder' with a 'Back To Setup' link and a 'Help' icon. Below the header, there's a section titled 'My Processes' with a 'New' button. A table lists the processes:

PROCESS	DESCRIPTION	OBJECT	PROCESS TYPE	LAST MODIFIED	STATUS	ACTIONS
Application Form Process						
Version 1: Application Form Process		Application Form	Record Change	1/16/2022	Active	

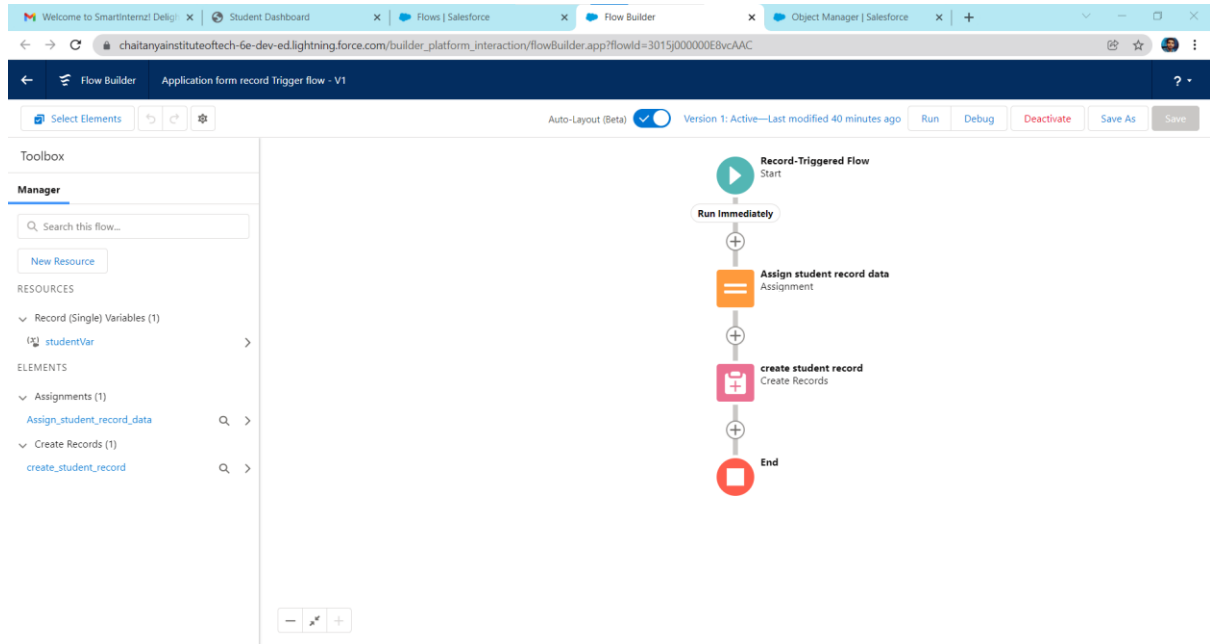


Day-6 :

Topic: Create the student record using flow

Milestone/Activities :Adding Business Logic to Application

Description :



The screenshot shows the **Edit Assignment** dialog box for the "Assign student record data" step. The dialog is titled "Set Variable Values" and contains a table for defining variable assignments. Each variable is modified by the operator and value combination.

Variable	Operator	Value
studentVar > Address	Equals	\$Record > Address
studentVar > Application Form	Equals	\$Record > Record ID
studentVar > College Name	Equals	\$Record > College
studentVar > Date of Birth	Equals	\$Record > Date of Birth
studentVar > Guardian Name	Equals	\$Record > Guardian Name
studentVar > Phone	Equals	\$Record > Phone

The dialog includes **Cancel** and **Done** buttons at the bottom right.

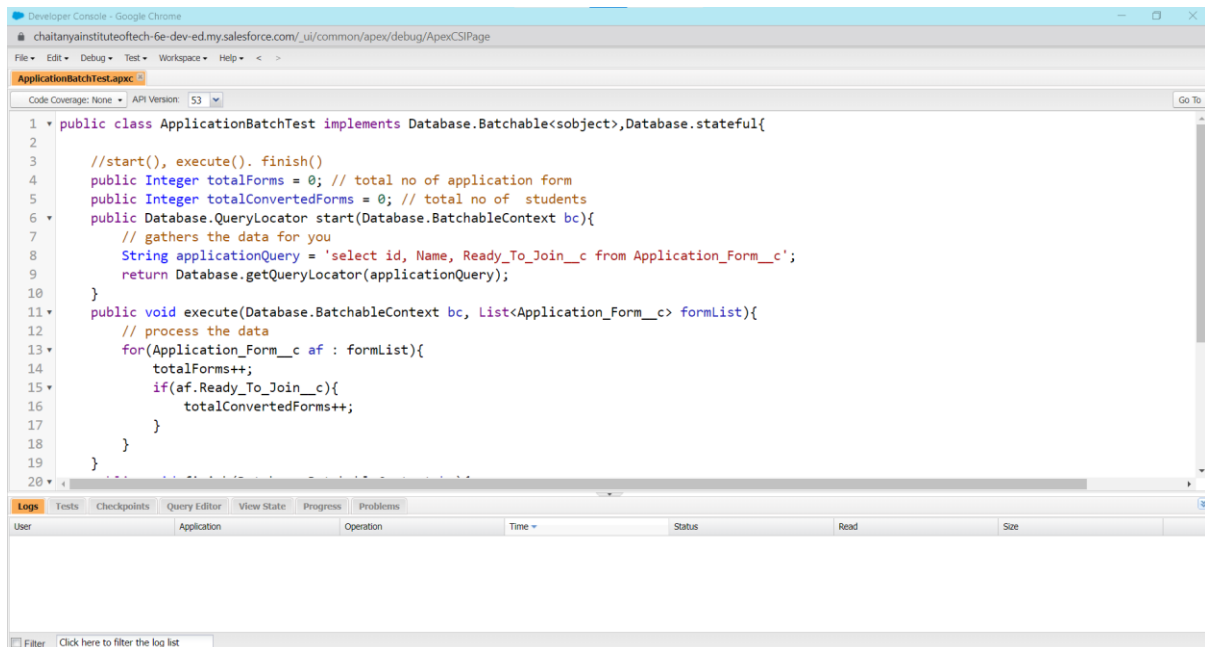
Day-7 :

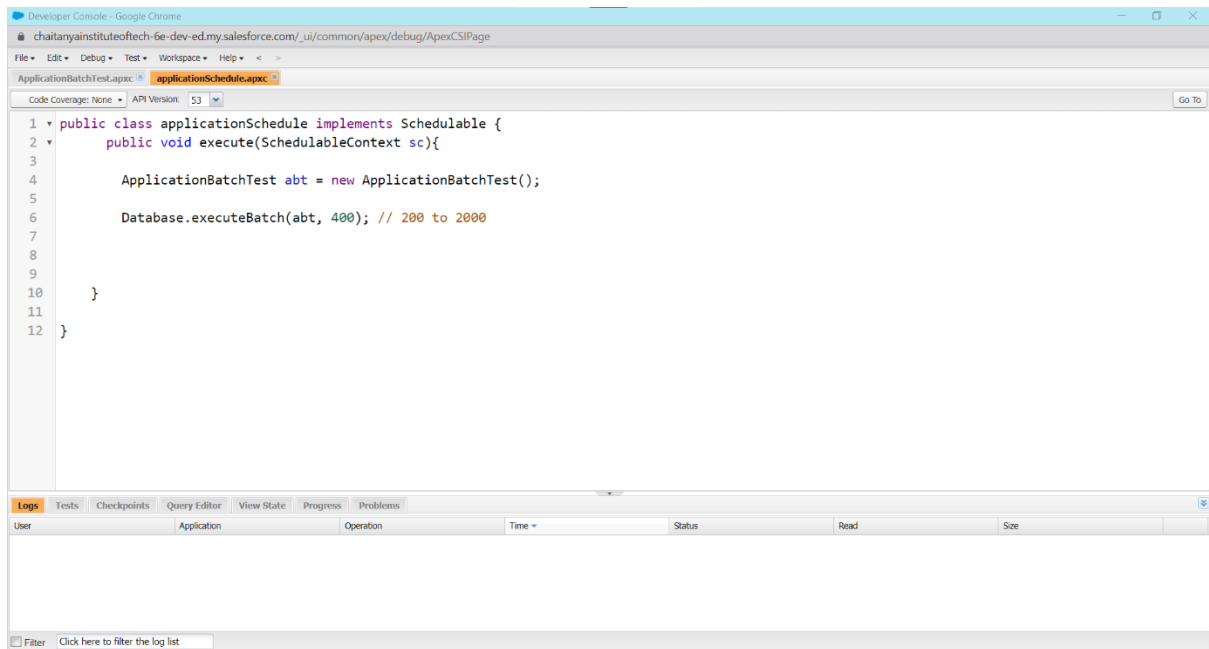
Topic: BATCH APEX

Milestone/Activities : Create A Batch-apex For Application Form, Create A Scheduler Class

Description : created
apex batches

- Applicationbatchtest
- applicationschedule





Day-8:

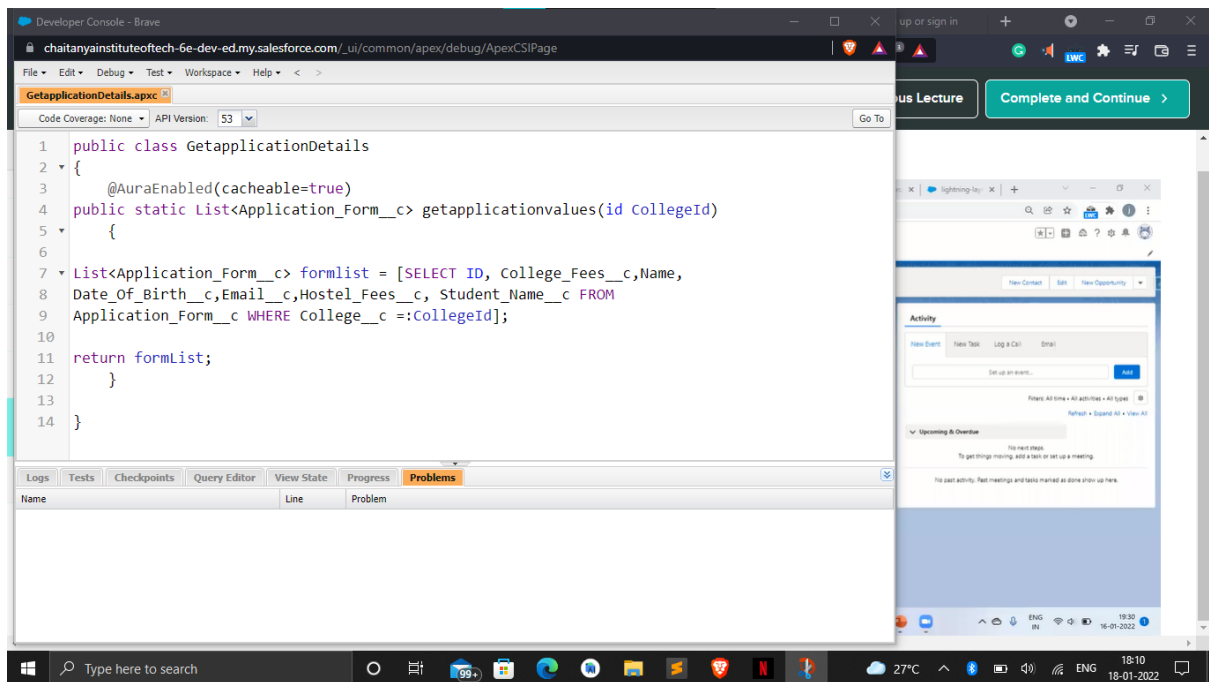
Topic : Lightning Web Components

Milestone/Activity :

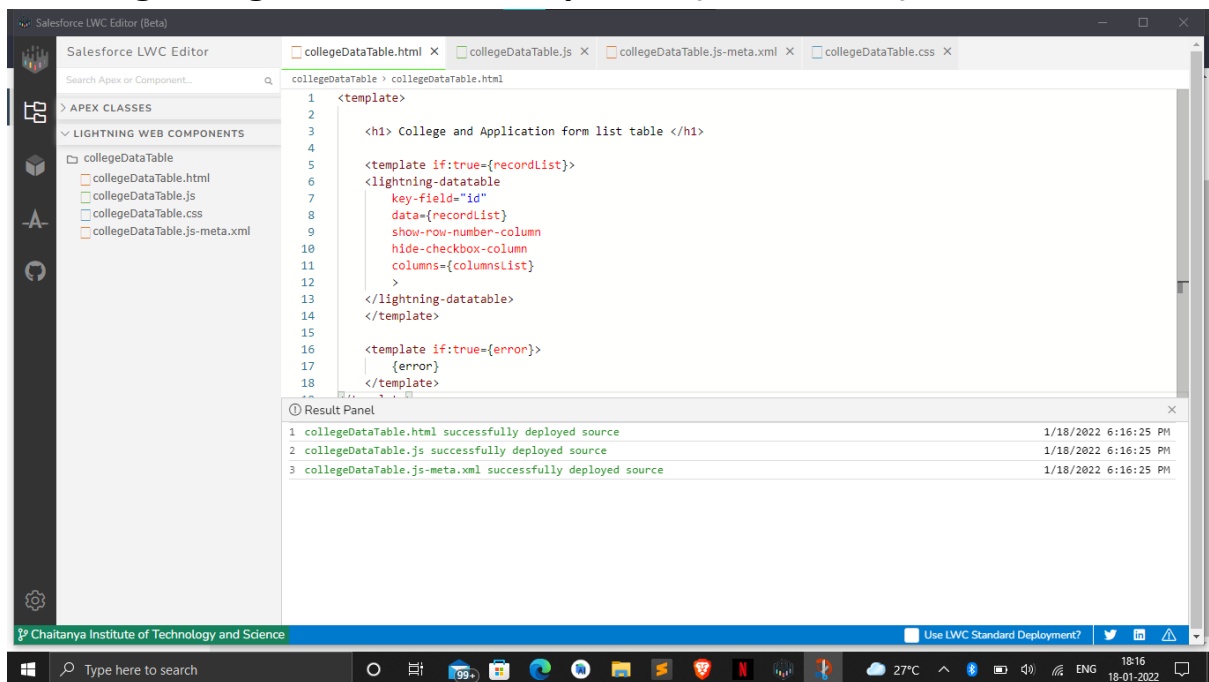
- Creating college data table component(Apex class)
- creating college data table component(HTML File)
- creating college data table component(Java Script)
- creating college data table component(Meta File)

Description :

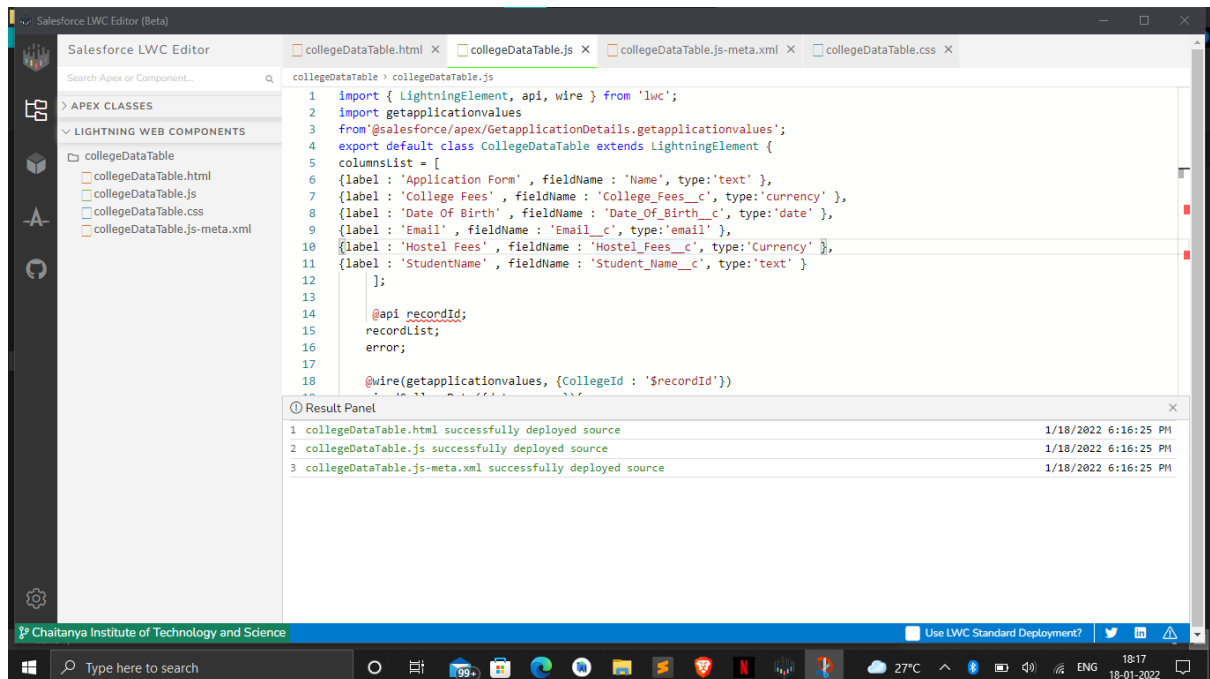
Creating college data table component(Apex class):



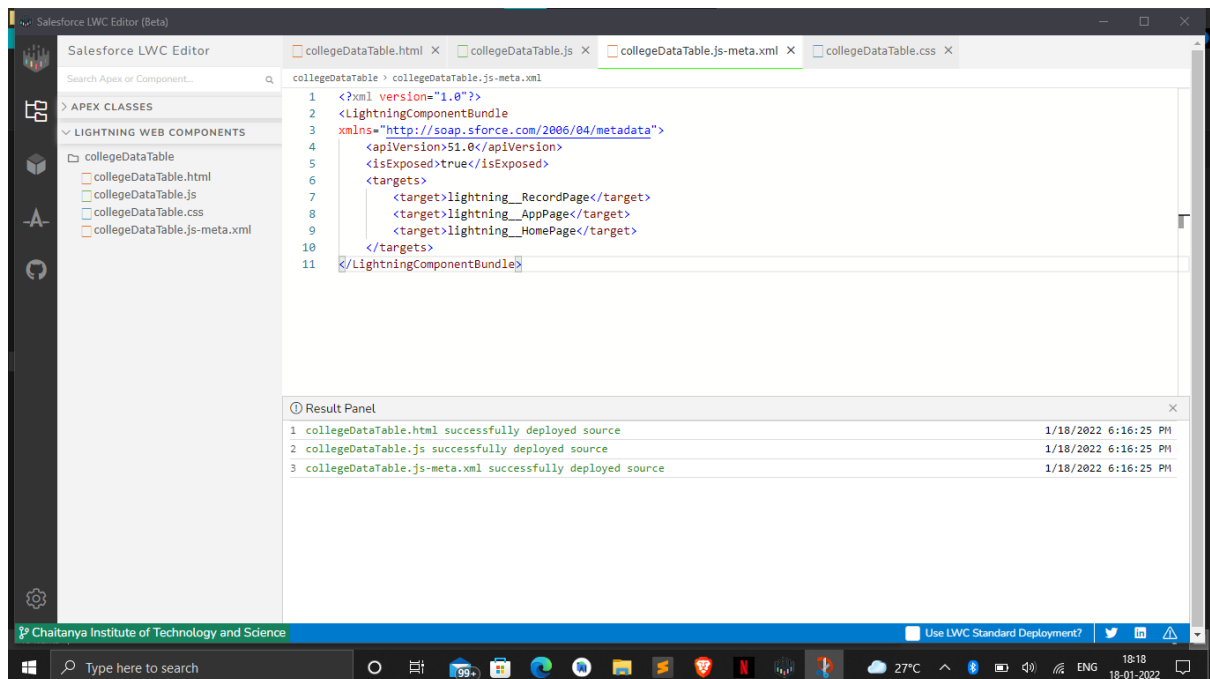
Creating college data table component(HTML File) :



Creating college data table component(Java Script File) :



Creating college data table component(Meta File) :



Data table in college object :

The screenshot displays a Salesforce Lightning interface for a college object. The top navigation bar includes a search bar and a menu with options like 'Colleges', 'Application Forms', 'Students', 'Accounts', 'Subjects', and 'Contacts'. The main content area is titled 'College MIT-HYD' and features a 'Data Table' tab. The table lists college and application form details.

	Application F...	College Fees	Date Of Birth	Email	Hostel Fees	StudentName
1	Alpha form	\$50,000.00		alphastudent@...	23000	alpha boy

On the right side, there is an 'Activity' panel with options for 'New Event', 'New Task', 'Log a Call', and 'Email'. It also includes a search bar for activities and a section for 'Upcoming & Overdue' tasks.