

Day 1 : 03/01/2022,Monday

Topic: Create your salesforce developer org to get started

Milestone / Activities: Creating Developer Account

Account activation

Login to your salesforce Account

Detailed Description: First I sign up the developers.salesforce.com with all required information, after clicking the sign up button I will get an email for activating the developer account ,then I verify the account ,then after I login the salesforce account.

Day 2 : 04/01/2022,Tuesday

Topic: Custom Object Creation.

Milestone / Activities: Create the custom objects for the application.

Create fields on college object.

Create fields on application form object.

Create fields on student object.

Create fields on subject object.

Detailed Description: First I have created the custom objects then after I created all the fields in College,Application form,Student and Subject objects according to the project details.

Upload the Screenshot the Milestone / Activities :

College | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstituofenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j00000hVuu/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
accountname	Name	Text(80)		✓
Capacity Of Students	Capacity_Of_Students__c	Picklist		
College Fees	College_Fees__c	Currency(7, 2)		
College Name	College_Name__c	Picklist		
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(255)		

Activate Windows  
Go to Settings to activate Windows.

Application Form | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstituofenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j00000hVuu/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Application Form

Details

Fields & Relationships

13 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		
Guardian Name	Guardian_Name__c	Text(30)		
Hostel Fees	Hostel_Fees__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		

Activate Windows  
Go to Settings to activate Windows.

Students | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstuteofenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hVz/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Students

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	CreatedBy	Lookup(User)		
Date Of Birth	Date_Of_Birth_c	Date		
Guardian Name	Guardian_Name_c	Text(30)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone_c	Phone		
Student Name	Student_Name_c	Text(255)		
Students Name	Name	Text(80)		✓

Activate Windows  
Go to Settings to activate Windows.

Type here to search

74°F Haze 6:20 PM 1/19/2022

Subject | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstuteofenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hW4/FieldsAndRelationships/view

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	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Paper 1	Paper1_c	Picklist		
Paper2	Paper2_c	Picklist		
Student	Student_c	Lookup(Students)		✓
Subject ID	Subject_ID_c	Auto Number		
Subjects Name	Name	Text(80)		✓

Activate Windows  
Go to Settings to activate Windows.

Type here to search

73°F Haze 6:34 PM 1/19/2022

Day 3 : 05/01/2022

Topic: Adding Business Logic to Application

Milestone / Activities: Creating Global Picklist value sets

Creating Field Dependencies

Create Validation Rule on College Object

Process Automation Detailed

Description: First I have created global picklist value sets Setup>Quick Find box>picklist value sets>new then I have created field dependencies ,setup>object manager>college>field and relationship>field dependencies>new then I have created validation rule , setup>object manager >college>validation rule>new then after I have created builder named Application Form Process master setup>quick find box>process builder>new, created as per information given in project details

Picklist Value Sets | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstituotenginee33-dev-ed.lightning.force.com/lightning/setup/Picklists/home

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.

Activate Windows  
Go to Settings to activate Windows.

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

Global Value Sets

Action	Label	Description
Edit   Del	College	
Edit   Del	Pages1	
Edit   Del	Pages2	

Deleted Global Value Sets (0)

College | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstitudefenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hU5/FieldsAndRelationships/viewDependencyList

Search Setup

Setup Home Object Manager

SETUP • 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

Restriction Rules

Triggers

Validation Rules

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
<a href="#">Edit</a> <a href="#">Del</a>	College Name	Email	sharmila pathakamudi, 1/19/2022, 5:01 AM
<a href="#">Edit</a> <a href="#">Del</a>	College Name	Capacity Of Students	sharmila pathakamudi, 1/19/2022, 5:01 AM

Activate Windows  
Go to Settings to activate Windows.

College | Salesforce

SI-7631-1641293171 (1).pdf

avanthiinstitudefenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015j000000hU5/ValidationRules/view

Search Setup

Setup Home Object Manager

SETUP • 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

Restriction Rules

Triggers

Validation Rules

Validation Rules

1 Items, Sorted by Rule Name

New

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
college	Top of Page	college name and record info should have the same name	✓	sharmila pathakamudi, 1/19/2022, 5:08 AM

Activate Windows  
Go to Settings to activate Windows.

Application Form | Salesforce x SI-7631-1641293171 (1).pdf x +

avanthiinstitudefenginee33-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hVu/ValidationRules/view

Search Setup

Setup Home 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

Restriction Rules

Triggers

Validation Rules

**Validation Rules**

1 Item, Sorted by Rule Name

[New](#)

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
application_form	Top of Page	to stop any modification on the application form once a student record is created.	✓	shamila pathakamudi, 1/19/2022, 5:11 AM

Activate Windows  
Go to Settings to activate Windows.

Type here to search

74°F Mostly clear 6:43 PM 1/19/2022

Day 4 :06/01/2022 Thursday

Topic: Process Builder.

Milestone / Activities: Process Automation.

Detailed Description: I Have Created Builder Named Application Form Process Master Setup>Quick Find box>process builder >New, Created as per information given in the project detail.

The screenshot displays the Salesforce Process Builder interface. The main canvas shows a flow starting with an 'Application Form' trigger, followed by a 'Ready To Join' decision. If 'TRUE', it leads to 'IMMEDIATE ACTIONS' where 'create student record' is configured. If 'FALSE', it leads to another decision point. The right-hand panel is titled 'Create a Record' and shows the configuration for the 'create student record' action. It includes fields for 'Address', 'Date Of Birth', 'Guardian Name', 'Students Name', and 'Phone', each with a 'Field Reference' dropdown and a 'Value' field. The 'Value' fields are populated with references to the 'Application\_Form\_\_c' object.

Process Builder - Application Form

START

Application Form

Ready To Join

TRUE

IMMEDIATE ACTIONS

create student record

STOP

FALSE

+ Add Criteria

TRUE

IMMEDIATE ACTIONS

+ Add Action

STOP

FALSE

STOP

Create a Record

Action Name\*

create student record

Record Type\*

Students

Set Field Values

Field*	Type*	Value*
Address	Field Reference	[Application_Form__c]Add...
Date Of Birth	Field Reference	[Application_Form__c]dat...
Guardian Name	Field Reference	[Application_Form__c]Gua...
Students Name	Field Reference	[Application_Form__c]Stu...
Phone	Field Reference	[Application_Form__c]Pho...

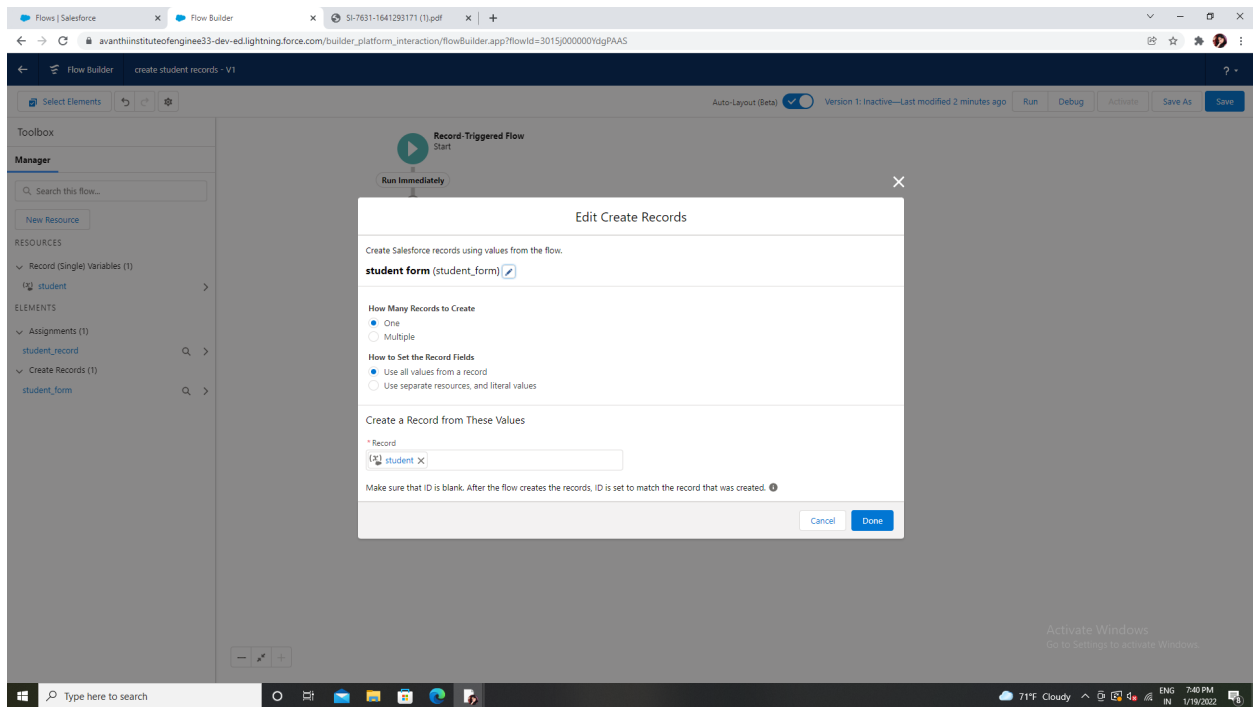
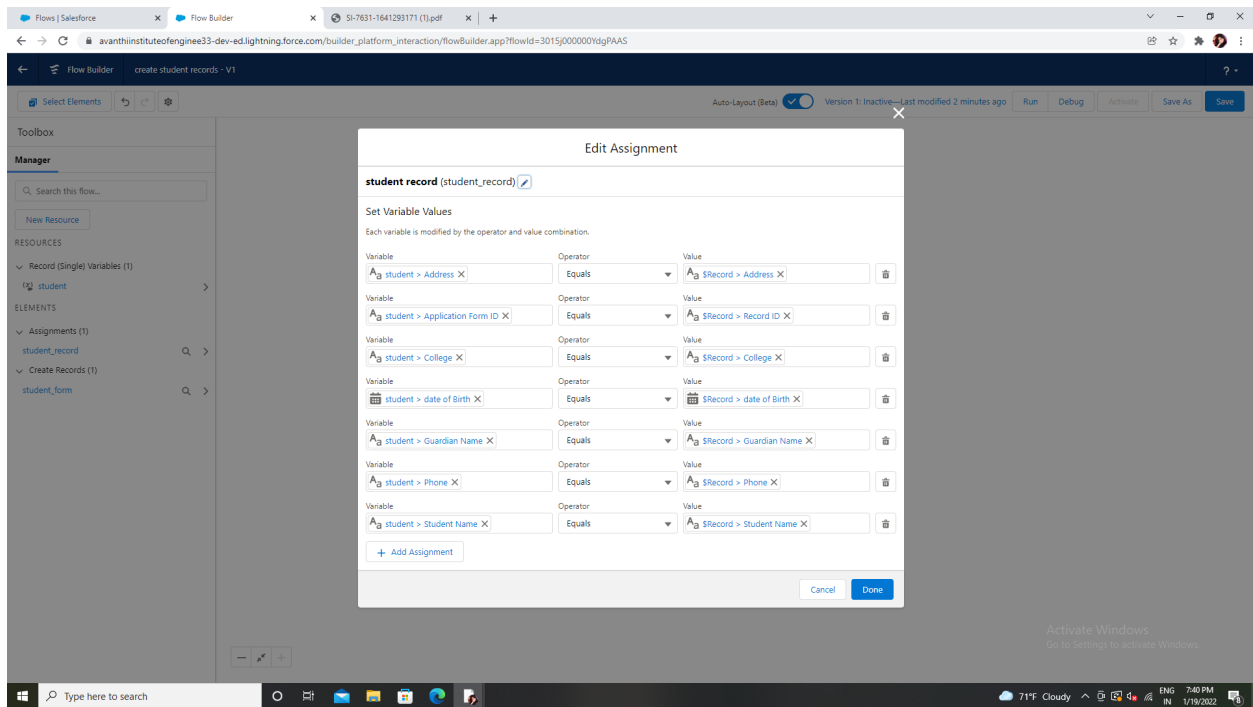
Activate Windows  
Go to Settings to activate Windows.

Cancel

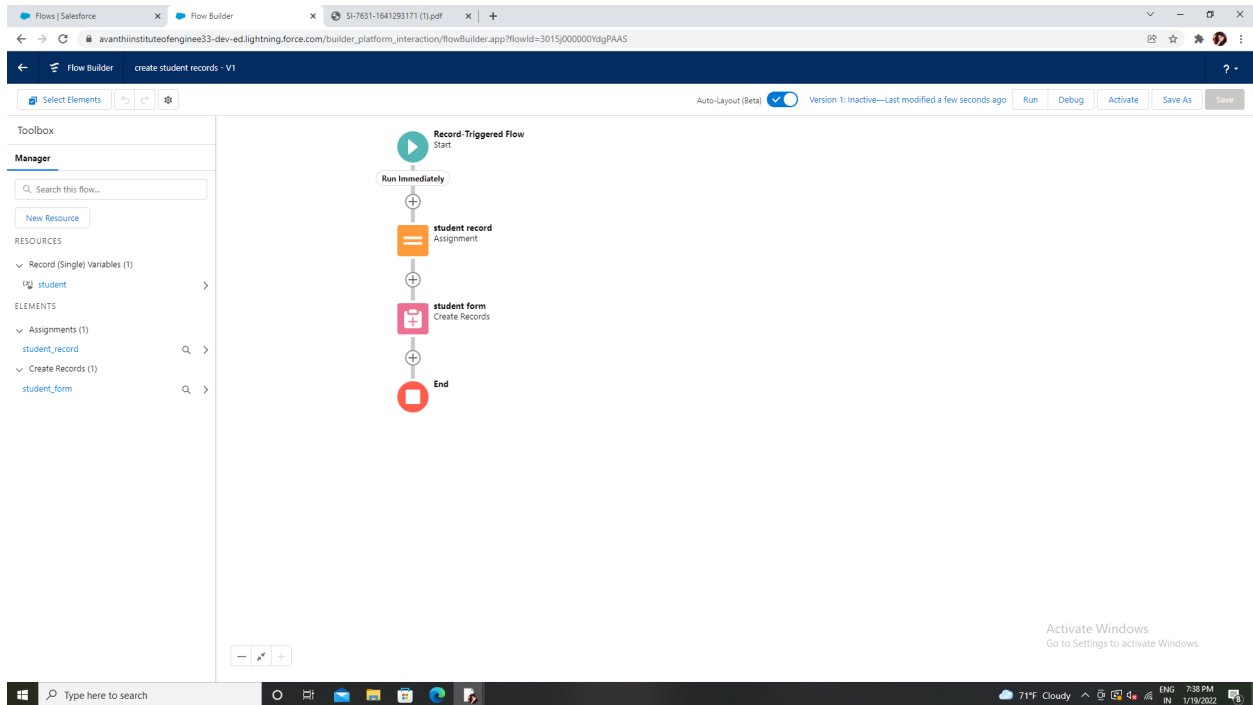
Day 5 :07/01/2022 Friday

Topic: Flows Milestone / Activities: Create a student record using Flows.

Detailed Description: I have Created the application form record trigger flow, in that I have created a variable named in student in the resource section and I add the some assignments and then created the student record.





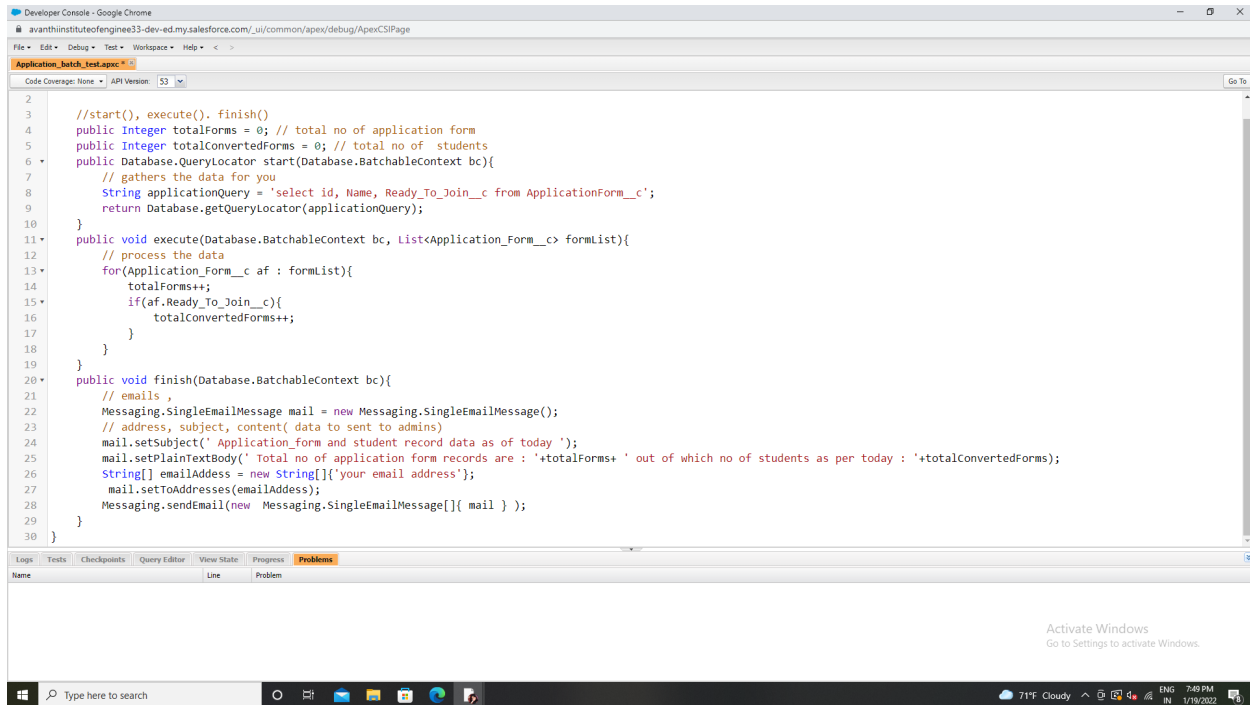


Day 6 :10/01/2022 Monday

Topic: Batch Apex

Milestone / Activities: Create A Batch Apex for Application Form

Detailed Description: I have created batch apex for a application form. In that I have to create one apex class named as Application batch test. I wrote code in that apex class and checked the errors in JAVA script then execute the code.



The screenshot shows the Salesforce Developer Console interface. The main editor displays the following Apex code:

```
2 //start(), execute(). finish()
3 public Integer totalForms = 0; // total no of application form
4 public Integer totalConvertedForms = 0; // total no of students
5 public Database.QueryLocator start(Database.BatchableContext bc){
6     // gathers the data for you
7     String applicationQuery = 'select id, Name, Ready_To_Join__c from ApplicationForm__c';
8     return Database.getQueryLocator(applicationQuery);
9 }
10 public void execute(Database.BatchableContext bc, List<Application_Form__c> formList){
11     // process the data
12     for(Application_Form__c af : formList){
13         totalForms++;
14         if(af.Ready_To_Join__c){
15             totalConvertedForms++;
16         }
17     }
18 }
19 public void finish(Database.BatchableContext bc){
20     // emails
21     Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
22     // address, subject, content( data to sent to admins)
23     mail.setSubject(' Application_form and student record data as of today ');
24     mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of which no of students as per today : '+totalConvertedForms);
25     String[] emailAddresses = new String[]{'your email address'};
26     mail.setToAddresses(emailAddresses);
27     Messaging.sendEmail(new Messaging.SingleEmailMessage[] { mail } );
28 }
29 }
30 }
```

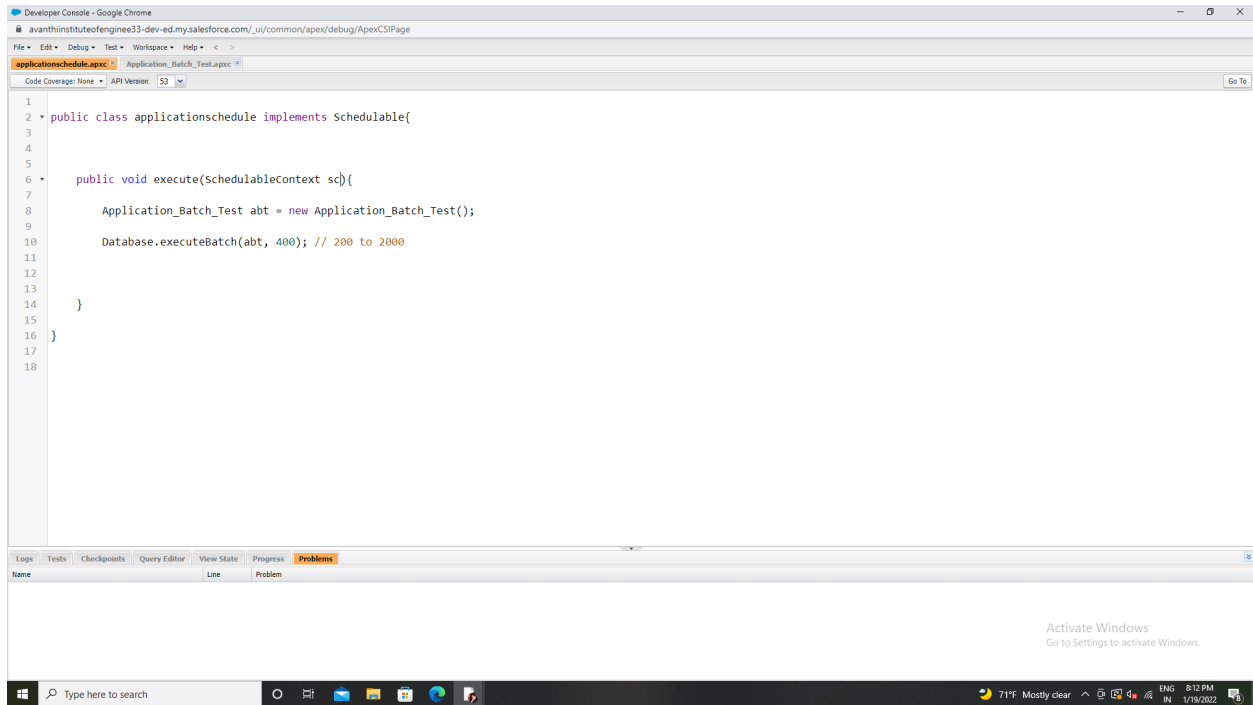
The interface includes a menu bar (File, Edit, Debug, Test, Workspace, Help), a toolbar with icons for logs, tests, checkpoints, query editor, view state, progress, and problems. Below the code editor is a table with columns for Name, Line, and Problem. The bottom of the window shows a Windows taskbar with the search bar, task view button, and various application icons. The system tray displays the date and time as 1/19/2022, 7:49 PM.

Day 7 :11/01/2022 Tuesday

Topic: Batch Apex

Milestone / Activities: Create A Schedule class

Detailed Description: I have created batch apex for a schedule class. In that I have to create one apex class named as Application schedule. I wrote code in that apex class and checked the errors in JAVA script then execute the code.



Day 8 : 12/01/2022,Wednesday.

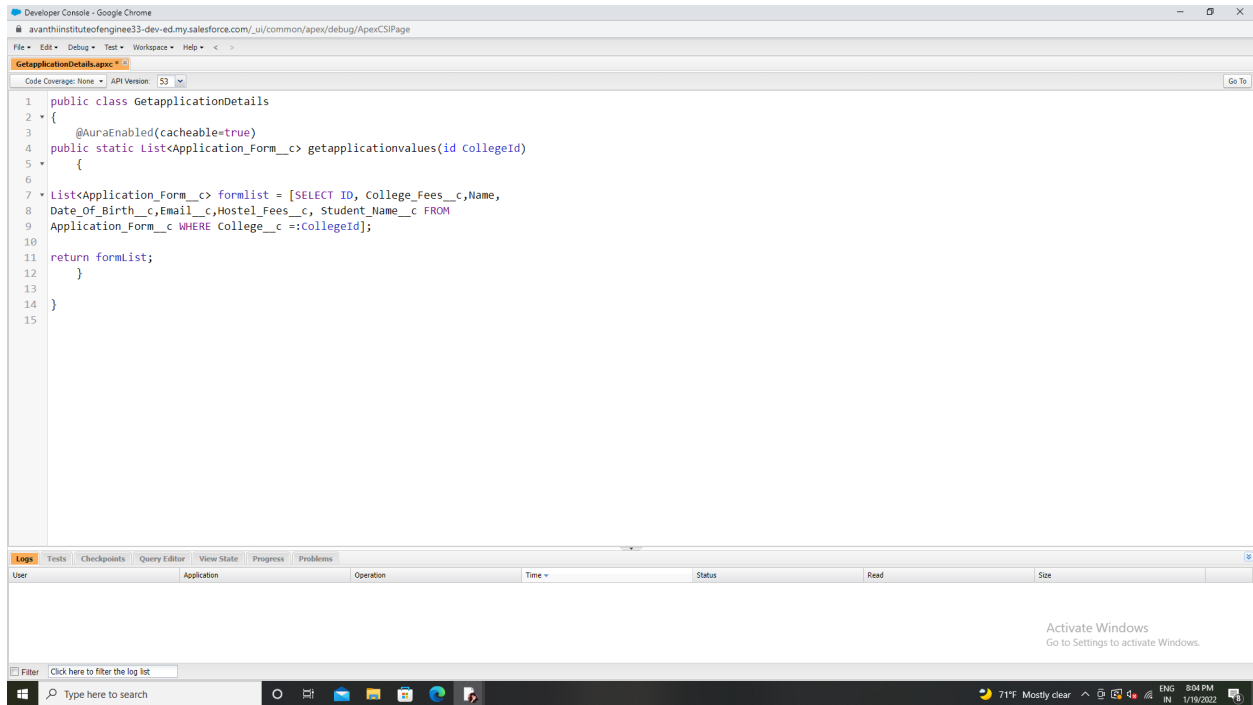
Topic: Lightning Web Components.

Milestone / Activities : Create College Data Table Component

Detailed Description : I have created a apex class for creating the College Data Table.

-> Developer Console -> New -> Apex Class -> Enter Code -> Save.

Upload the Screenshot of the Milestone / Activities :



Day 9 : 13/01/2022,Thursday.

Topic: Lightning Web Components.

Milestone / Activities : Create College Data Table Component (HTML File).

Detailed Description :

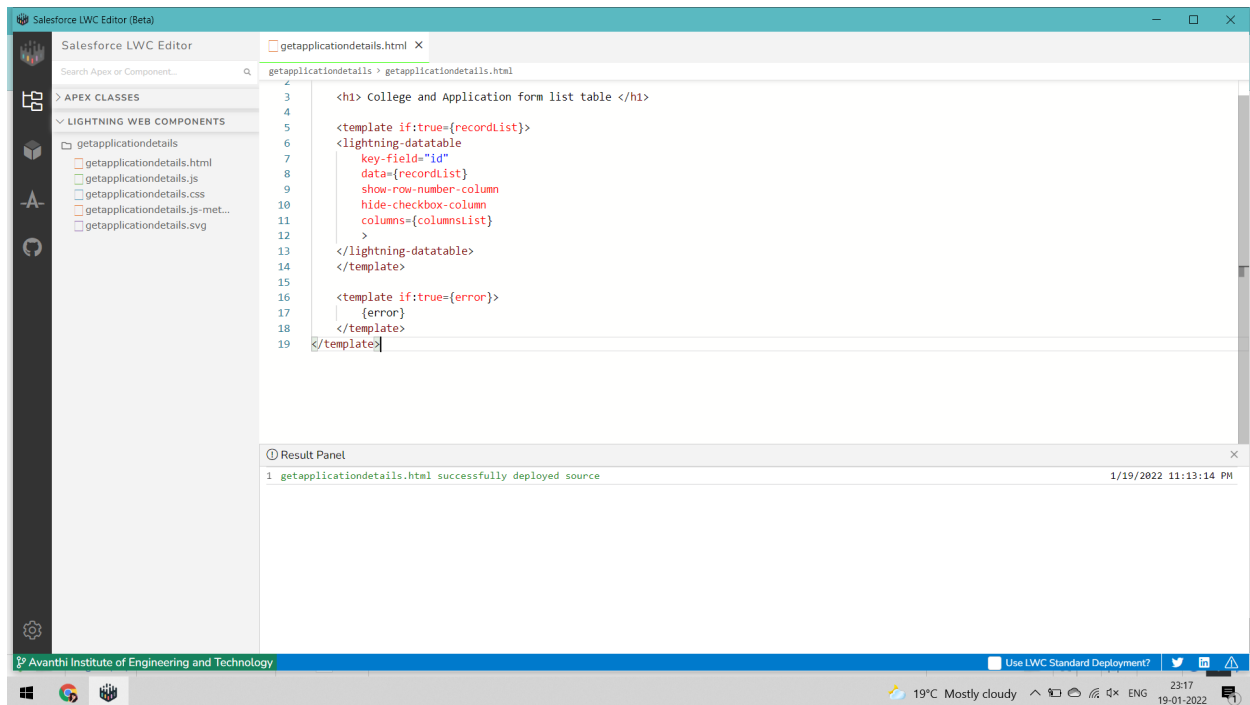
-> I have created the HTML File for the College Data Table as

follows:

-> App Launcher -> College Management -> Colleges -> Adding

Lwc

Extension -> Open Lwc Editor -> Create HTML File -> Save.



Day 10 : 14/01/2022, Friday.

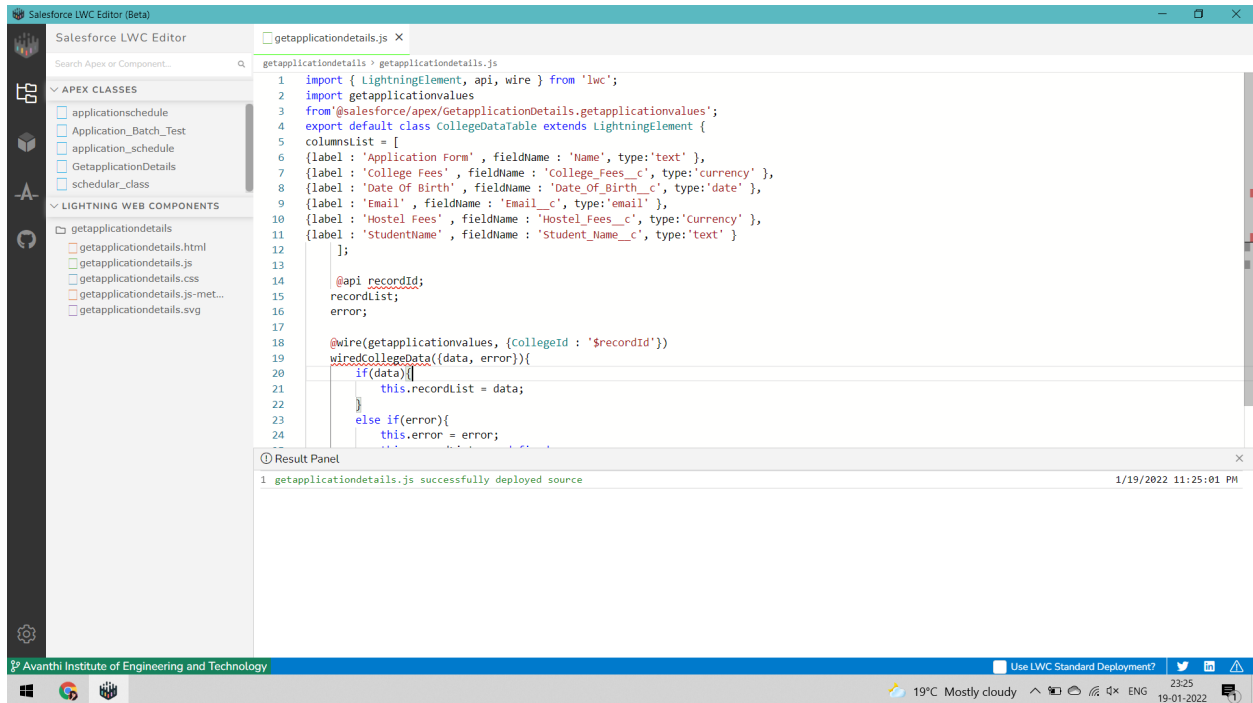
Topic: Lightning Web Components.

Milestone / Activities : Create College Data Table Component (JAVA Script File).

Detailed Description : -> I have created the JAVA Script File for the College Data Table as follows :

-> App Launcher -> College Management -> Colleges -> Open Lwc Editor -> Create JAVA Script File -> Save.

upload the Screenshot of the Milestone / Activities :



Day 11 : 17/01/2022,Monday.

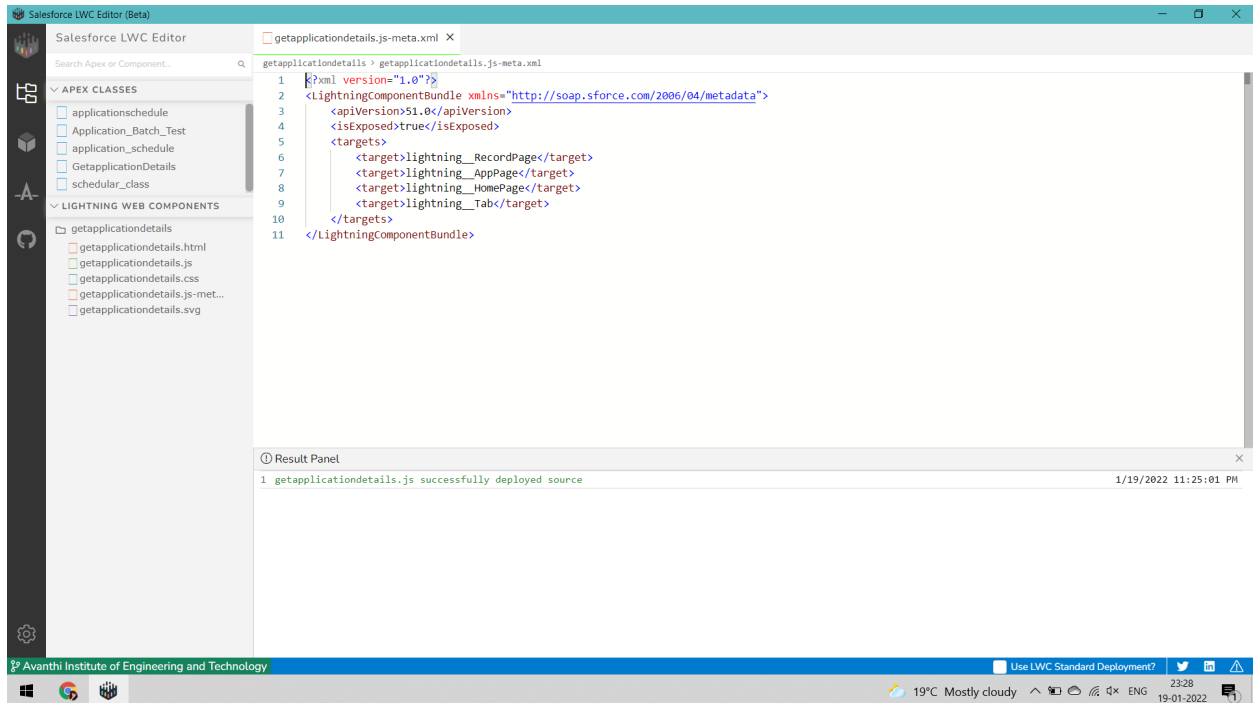
Topic: Lightning Web Components.

Milestone / Activities : Create College Data Table Component (Meta File).

Detailed Description : -> I have created the Meta File for the College Data Table as follows :

-> App Launcher -> College Management -> Colleges -> Open  
Lwc Editor -> Create Meta File -> Save.

Upload the Screenshot of the Milestone / Activities :



Day 12 : 18/01/2022,Tuesday.

Topic: Lightning Web Components.

Milestone / Activities : Create Data Table Tab in the Lightning app page.

Detailed Description :

- > I have created the Data Table in the Lightning app page by adding new lightning component to the new Tab
- > App Launcher -> College Management -> Colleges -> Edit Page
- > Add New Tab -> Light Components -> ClgTable -> Save.

Upload the Screenshot of the Milestone / Activities :

Student Dashboard x SI-7970-16411890 x Smartinternz - You x Lightning Experience x College | Salesforce x Recently Viewed x Salesforce LWC E x (1) WhatsApp x

avanthiinstituteofenginee33-dev-ed.lightning.force.com/lightning/o/College\_c/list?filterName=Recent

Apps Gmail YouTube Maps

CollegeManagement Colleges Application Forms Students Subjects

Colleges Recently Viewed 0 items • Updated a few seconds ago

New Import Change Owner

Search this list...

college\_name

You haven't viewed any Colleges recently.  
Try switching list views.

Windows taskbar: 23:57 19-01-2022

Password sen x [GitHub] Ple x GitHub x SI-7970-1641 x Lightning Exp x College | Sale x Recently View x Salesforce LWC x (1) WhatsApp x

avanthiinstituteofenginee33-dev-ed.lightning.force.com/lightning/o/College\_c/list?filterName=Recent

Apps Gmail YouTube Maps

CollegeManagement Colleges Application Forms Students Subjects

Colleges Recently Viewed 2 items • Updated a few seconds ago

New Import Change Owner

Search this list...

	<input type="checkbox"/>	college_name	
1	<input type="checkbox"/>	MIT-MUM	
2	<input type="checkbox"/>	MIT-HYD	

Windows taskbar: 00:12 20-01-2022