

Day 1 : 03/01/2022,Monday

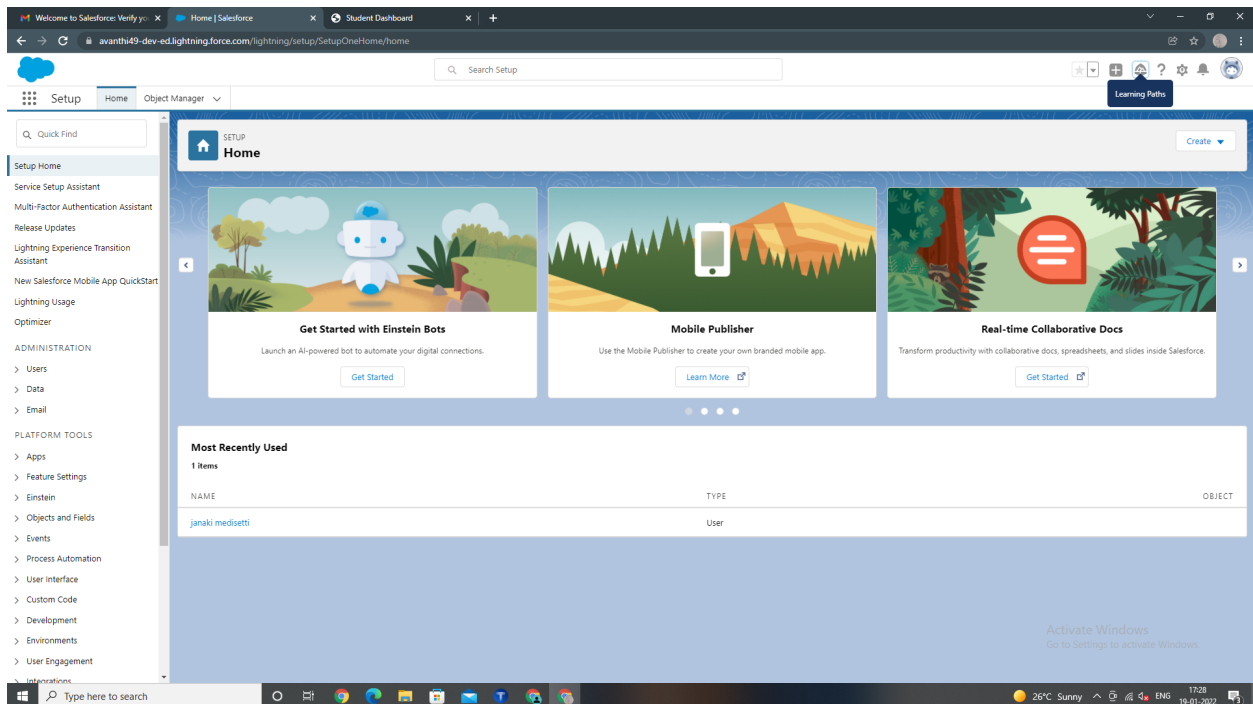
Topic: Create your salesforce developer org to get started

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 :

The image displays two screenshots of the Salesforce Object Manager interface, specifically the 'Fields & Relationships' section for two different objects: 'College' and 'Application Form'.

Top Screenshot: College Object

The 'College' object has 10 items in its 'Fields & Relationships' list. The table below shows the details of these fields:

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)		
Owner	OwnerId	Lookup(User.Group)		✓
Record Info	Record_Info__c	Text(255)		

Bottom Screenshot: Application Form Object

The 'Application Form' object has 12 items in its 'Fields & Relationships' list. The table below shows the details of these fields:

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)		
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)		

Forward Document from - jana... Students | Salesforce

avanthi49-dev-ed.lightning.force.com/lightning/setup/ObjectManager/015000015Auj/FieldsAndRelationships/view

Search: studen

Setup Home 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	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	Student_Name__c	Text(255)		
Students Name	Name	Text(80)		✓

Activate Windows
Go to Settings to activate Windows.

Students

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	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Paper 1	Paper1__c	Picklist		
Paper2	Paper2__c	Picklist		
Students	Students__c	Lookup(Students)		✓
Subject ID	Subject_ID__c	Auto Number		
Subjects Name	Name	Text(80)		✓

Activate Windows
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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

The screenshot shows the Salesforce Setup interface for 'Picklist Value Sets'. The left sidebar contains navigation links for 'Setup', 'Home', and 'Object Manager'. The main content area is titled 'Picklist Value Sets' and includes a 'New' button. Below this is a table with columns 'Action', 'Label', and 'Description'. The table lists three items: 'College', 'Parent1', and 'Parent2', each with 'Edit' and 'Delete' links. A 'Global Value Sets' section is also visible at the bottom of the table. The browser's address bar shows the URL 'avanthi49-dev-ed.lightning.force.com/lightning/setup/Picklists/home'. The Windows taskbar at the bottom displays the date and time as 18:49 on 19-01-2022.

Action	Label	Description
Edit Del	College	
Edit Del	Parent1	
Edit Del	Parent2	

Field: Document from - janaki - SI-7631-1641293171.pdf College | Salesforce

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

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
Edit Del	College Name	Email	janaki mediseti, 1/19/2022, 5:03 AM
Edit Del	College Name	Capacity Of Students	janaki mediseti, 1/19/2022, 5:04 AM

Activate Windows
Go to Settings to activate Windows.

Field: Document from - janaki - SI-7631-1641293171.pdf College | Salesforce

Search Setup

Setup Home Object Manager

College

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

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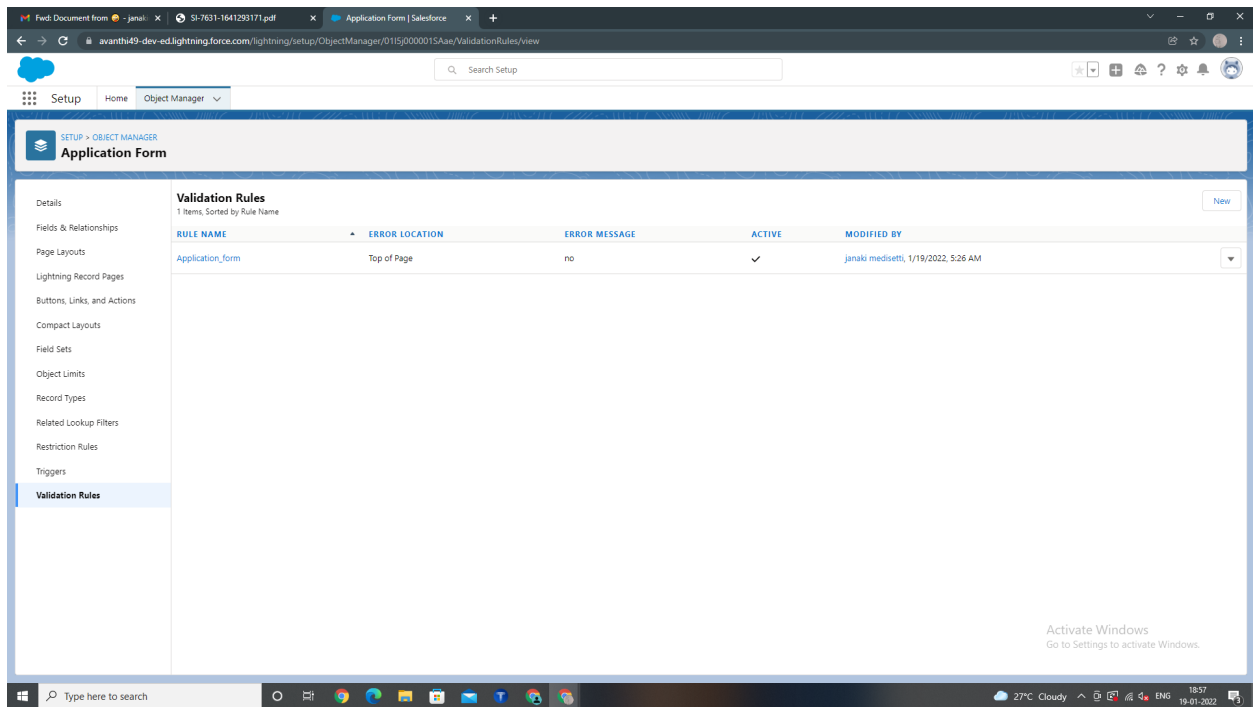
Validation Rules

1 Items, Sorted by Rule Name

New

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
College	Top of Page	no	✓	janaki mediseti, 1/19/2022, 5:24 AM

Activate Windows
Go to Settings to activate Windows.



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 proceeds to 'IMMEDIATE ACTIONS' (labeled 'Janaki') and then 'SCHEDULED ACTIONS' (labeled 'Set Schedule') before reaching a 'STOP' node. If 'FALSE', it goes to another decision point labeled '+ Add Criteria', which also branches into 'IMMEDIATE ACTIONS' and 'SCHEDULED ACTIONS' leading to a 'STOP' node.

On the right, the 'Create a Record' panel is visible, showing the following configuration:

- Action Name: Janaki
- Record Type: Students
- Set Field Values table:

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...
Phone	Field Reference	[Application_Form_c]Pho...
Students Name	Field Reference	[Application_Form_c]Stu...
Application Form	Field Reference	[Application_Form_c]Id

At the bottom of the right panel, there is a 'Cancel' button and a note: 'Activate Windows Go to Settings to activate Windows.'

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.

The image displays two screenshots of the Salesforce Flow Builder interface, illustrating the configuration of a Record-Triggered Flow.

Top Screenshot: Edit Assignment Dialog

The dialog is titled "Edit Assignment" and shows the configuration for the "Student Record" assignment. It lists several variables and their corresponding values, all using the "Equals" operator:

- Variable: Student > Address X, Operator: Equals, Value: Record > Address X
- Variable: Student > Application Form ID X, Operator: Equals, Value: Record > Record ID X
- Variable: Student > College X, Operator: Equals, Value: Record > College X
- Variable: Student > date of Birth X, Operator: Equals, Value: Record > date of Birth X
- Variable: Student > Phone X, Operator: Equals, Value: Record > Phone X
- Variable: Student > Student Name X, Operator: Equals, Value: Record > Student Name X

Buttons for "Cancel" and "Done" are visible at the bottom right of the dialog.

Bottom Screenshot: Flow Canvas

The flow canvas shows the sequence of steps in the flow:

- Record-Triggered Flow** (Start)
- Run Immediately** (Step)
- Student Record** (Assignment)
- studentform** (Create Records)
- End** (End)

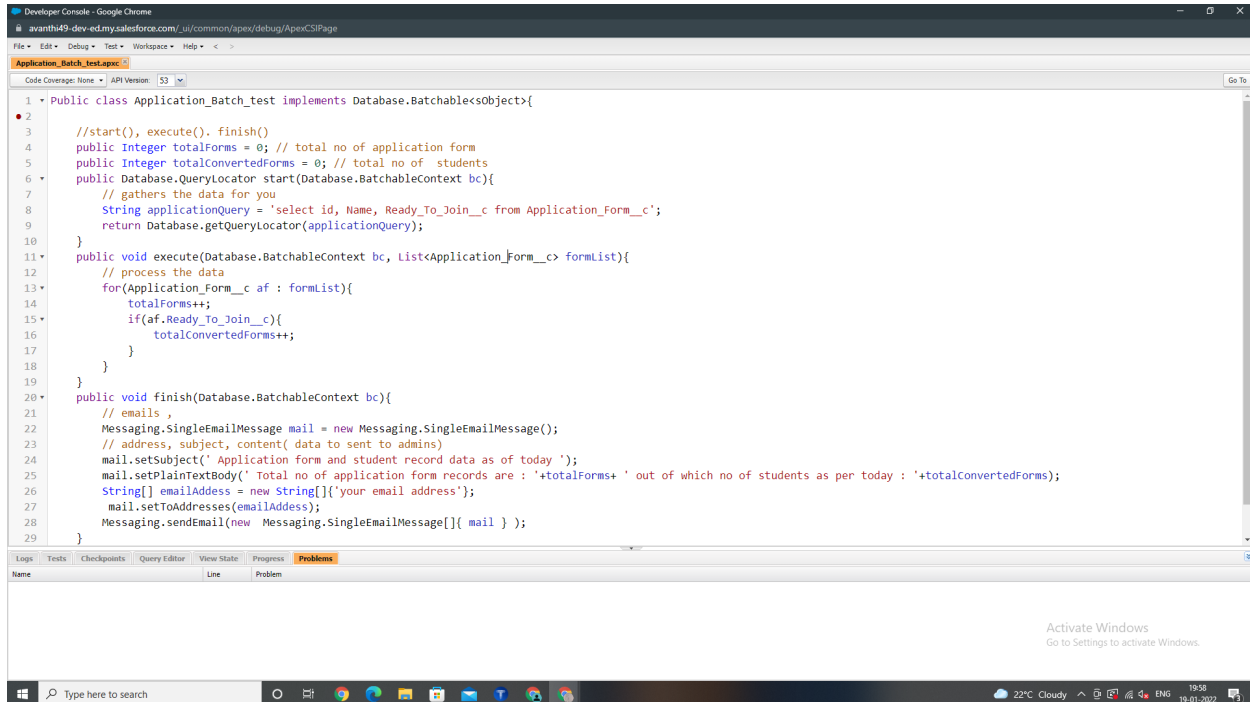
The flow is titled "Create student record - V1".

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.



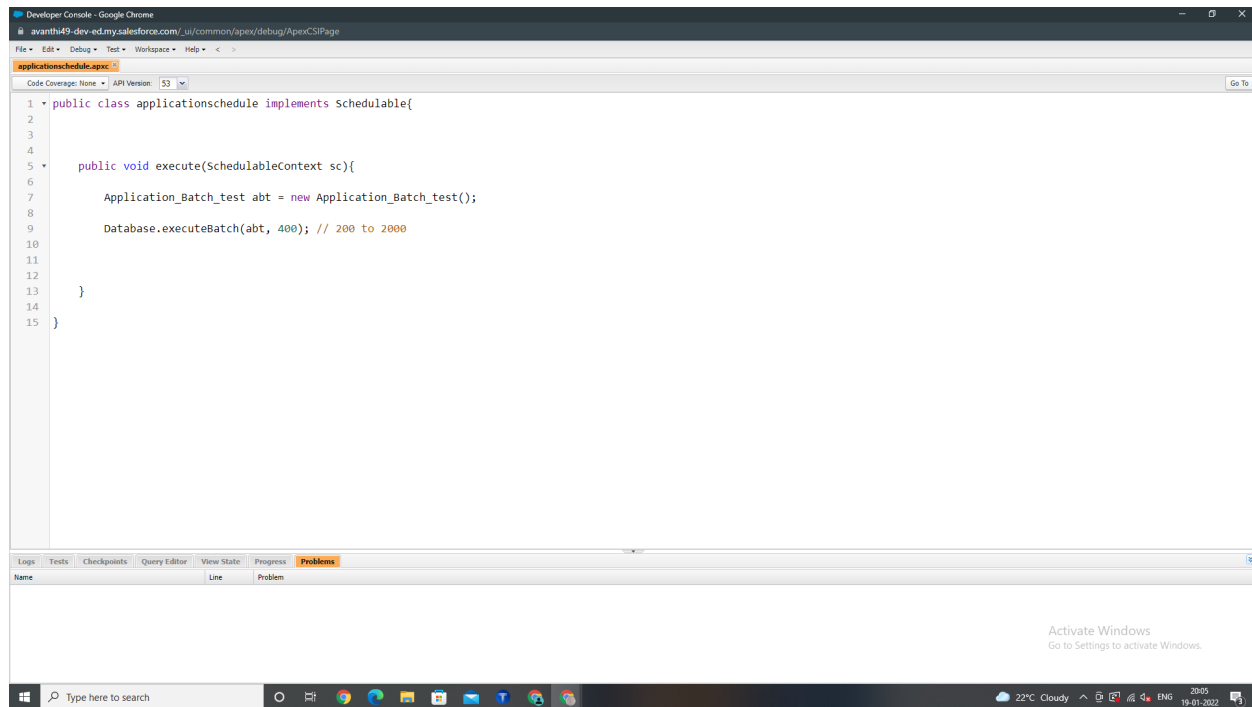
```
1 • Public class Application_Batch_Test implements Database.Batchable<Object>{
2
3     //start(), execute(). finish()
4     public Integer totalForms = 0; // total no of application form
5     public Integer totalConvertedForms = 0; // total no of students
6     public Database.QueryLocator start(Database.BatchableContext 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                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[]{'your email address'};
27        mail.setToAddresses(emailAddress);
28        Messaging.sendEmail(new Messaging.SingleEmailMessage[] { mail } );
29    }
}
```

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.



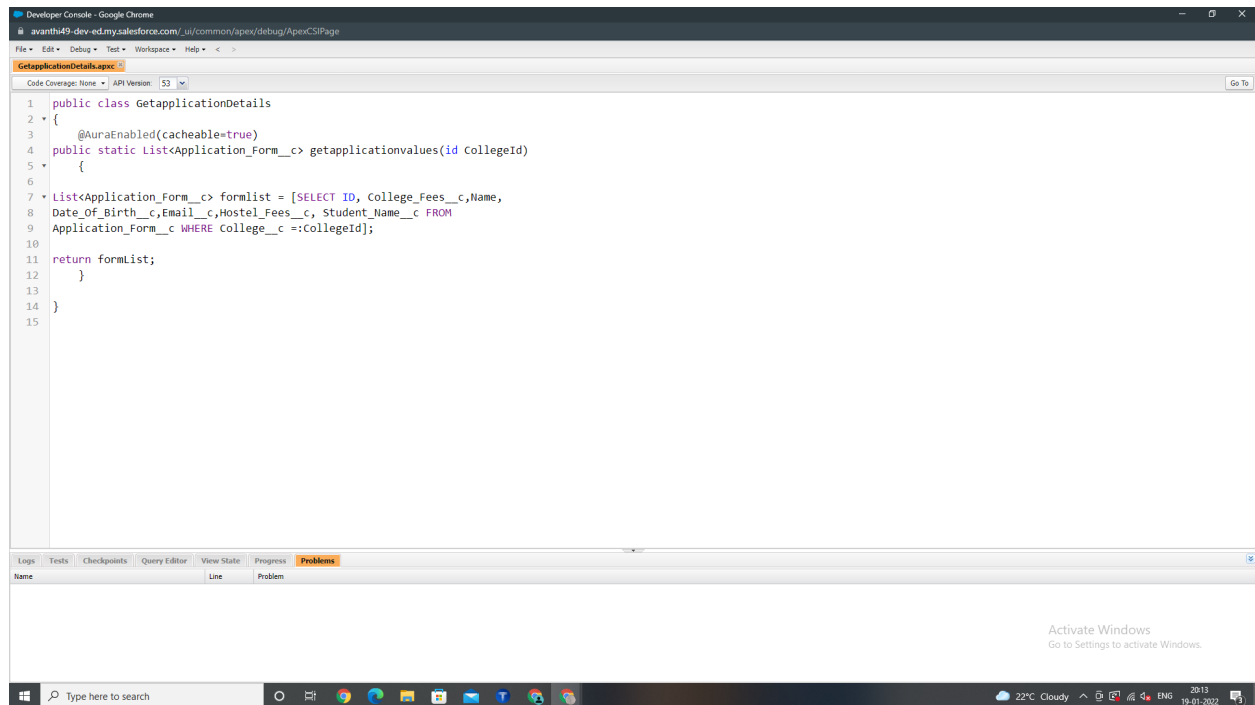
Day 8 : 12/01/2022,Wednesday.

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.

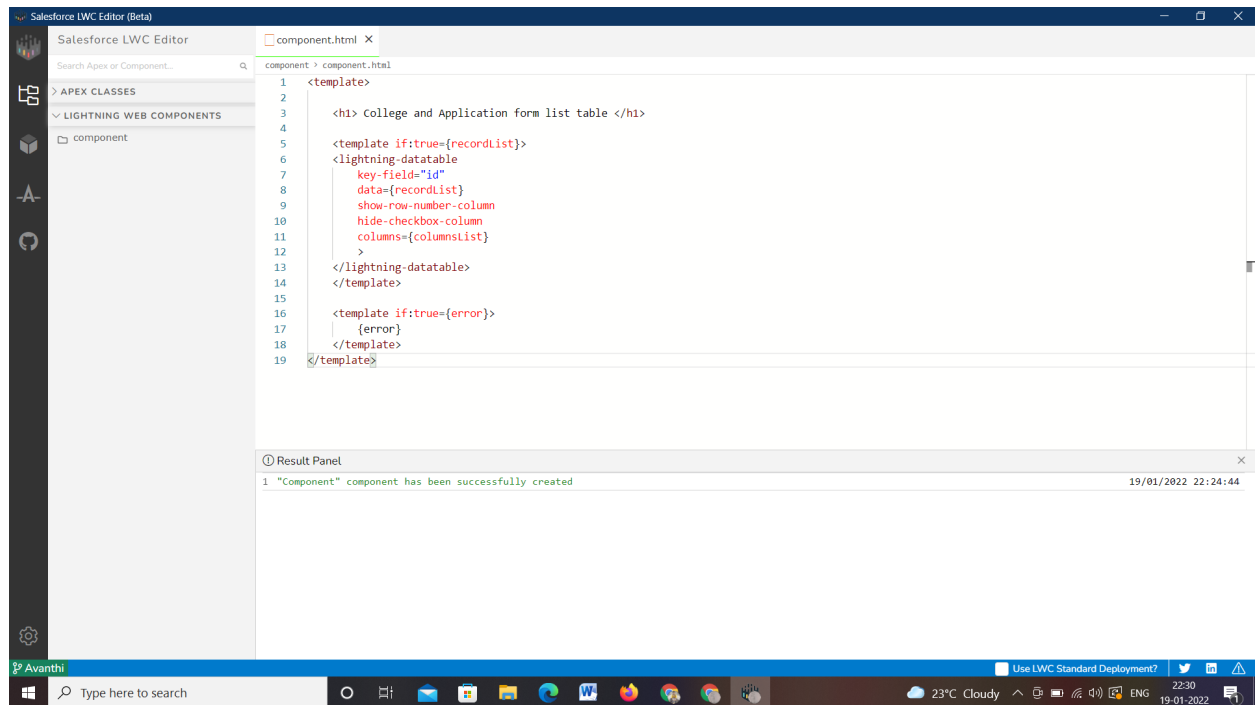
Milestone / Activities : Create College Data Table Component (HTML File).

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.



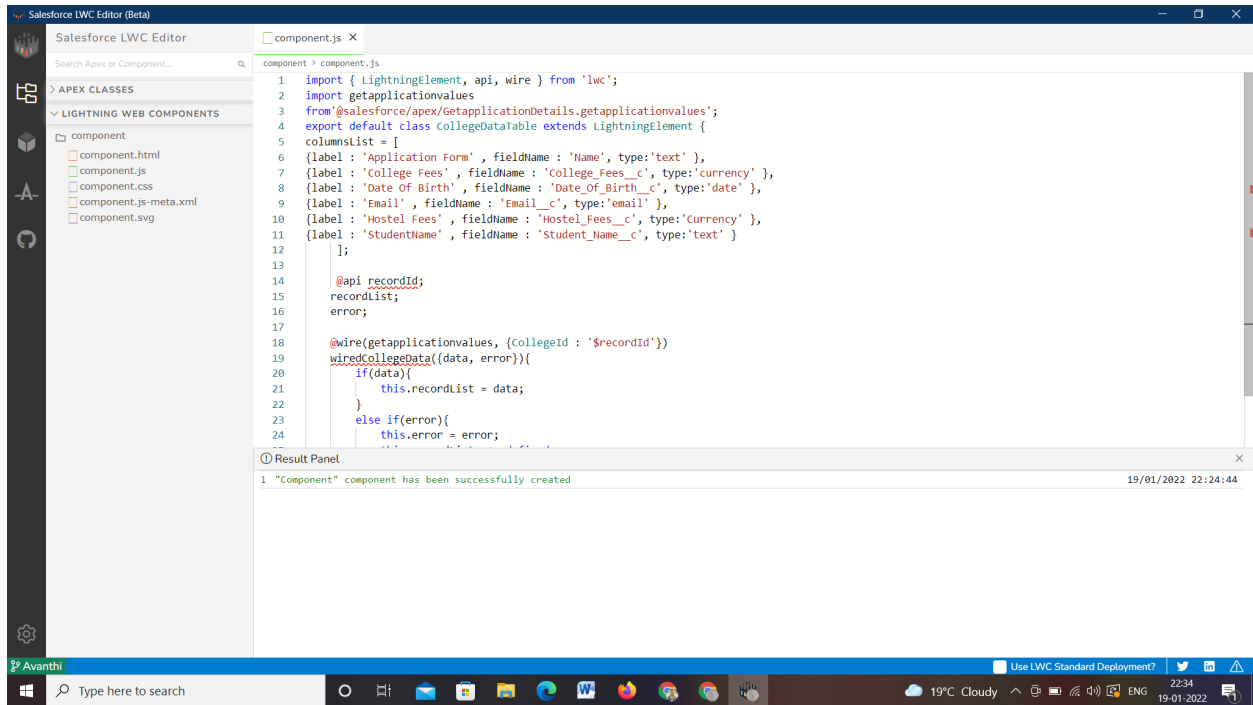
Day 10 : 14/01/2022, Friday.

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.



Day 11 : 17/01/2022,Monday.

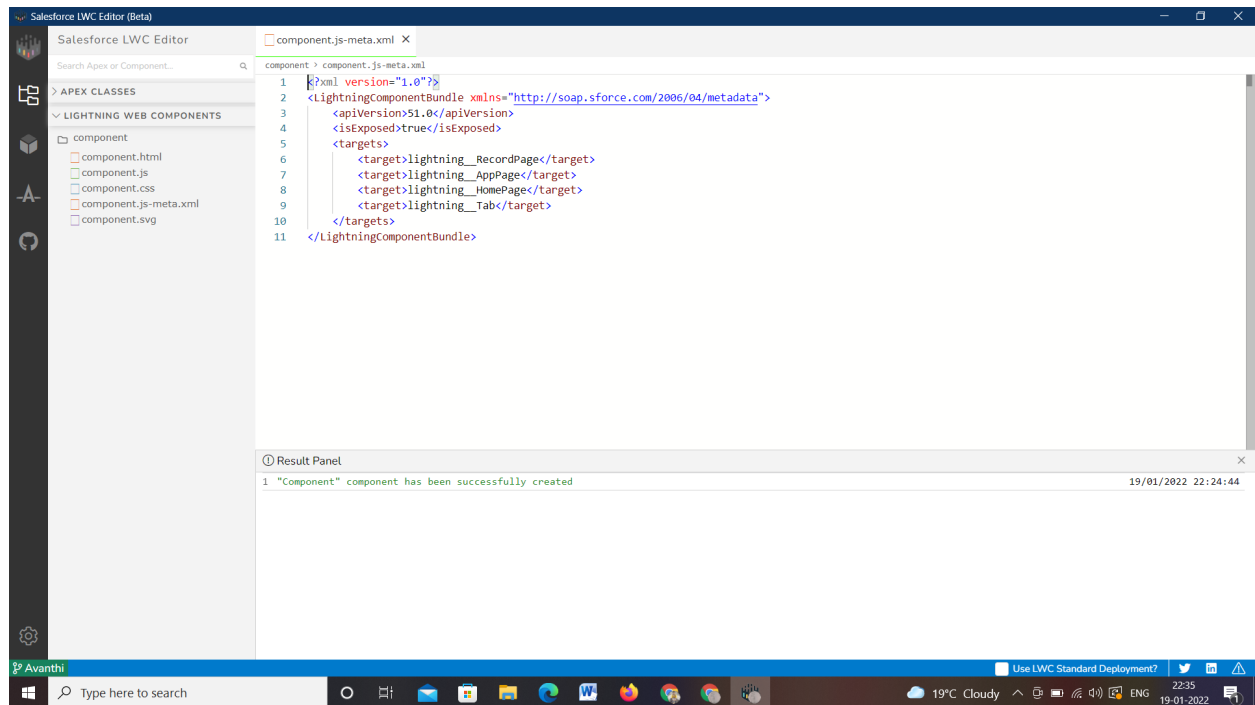
Topic: Lightning Web Components

. 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.



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.

Browser tabs: Fwd: Document from..., SI-7631-1641293171.pdf, Student Dashboard, SI-7752-1641291590, Salesforce LWC Editor - Ch..., Recently Viewed | Colleges.

URL: avanthi49-dev-ed.lightning.force.com/lightning/o/College_c/list?filterName=Recent

Navigation: All, Search Colleges and more...

collegemanagement | Colleges | Application Forms | Subjects | Students

Colleges Recently Viewed | New | Import | Change Owner

0 Items • Updated 2 minutes ago

Search this list...

College Name

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

Windows taskbar: Type here to search, 19°C Clear, 23:55 19-01-2022

Browser tabs: Fwd: Document from..., SI-7631-1641293171.pdf, Request a discount - GitHu..., SI-7752-1641291590, Salesforce LWC Editor - Ch..., Recently Viewed | Colleges.

URL: avanthi49-dev-ed.lightning.force.com/lightning/o/College_c/list?filterName=Recent

Navigation: All, Search Colleges and more...

collegemanagement | Colleges | Application Forms | Subjects | Students

Colleges Recently Viewed | New | Import | Change Owner

2 Items • Updated a few seconds ago

Search this list...

	College Name
1	MIT-MUM
2	MIT-HYD

https://avanthi49-dev-ed.lightning.force.com/lightning/o/College_c/home

Windows taskbar: Type here to search, 19°C Clear, 00:18 20-01-2022

Browser tabs: Fwd: Document from..., SI-7631-1641293171.pdf, Request a discount - GitHub..., SI-7752-1641291590, Salesforce LWC Editor - Ch..., Recently Viewed | Applica...

Address bar: avanthi49-dev-ed.lightning.force.com/lightning/o/Application_Form_c/list?filterName=Recent

Navigation: collegemanagement | Colleges | Application Forms | Subjects | Students

Section: Application Forms | Recently Viewed | 2 Items • Updated a few seconds ago

Search: Search this list...

	<input type="checkbox"/> Application Form Name	
1	<input type="checkbox"/> college fee	
2	<input type="checkbox"/> HOSTELFEE	

Footer: https://avanthi49-dev-ed.lightning.force.com/lightning/o/Application_Form_c/home | SI-7752-16412915...pdf | Show all

Taskbar: Type here to search | 19°C Clear | 00:18 20-01-2022