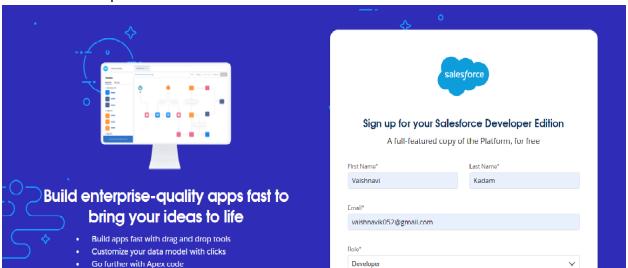
DAY1:

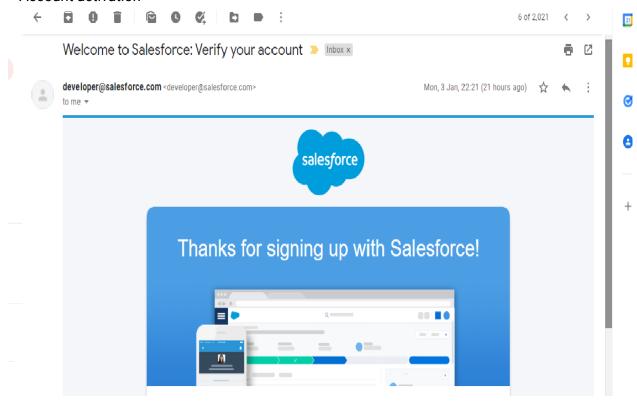
To create College Management Application Project

Created Salesforce Developer Org to get started

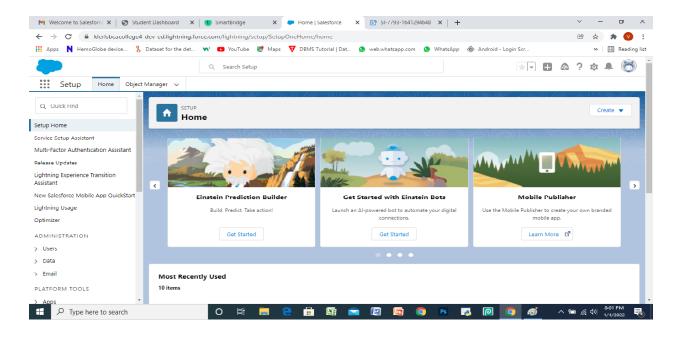
> Created developer Account



> Account activation



> Login to salesforce account



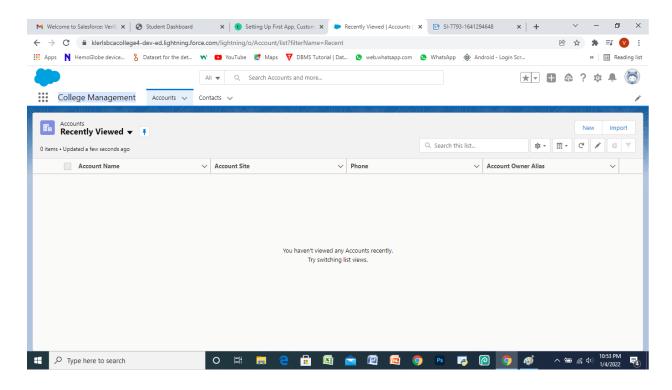
Additional things learned in 1st session

- > Sandbox
- > 4 Types of sandbox developer sandbox developer pro sandbox partial copy sand box full copy sandbox
- > objects
- > environment
- > relationship
- > fields

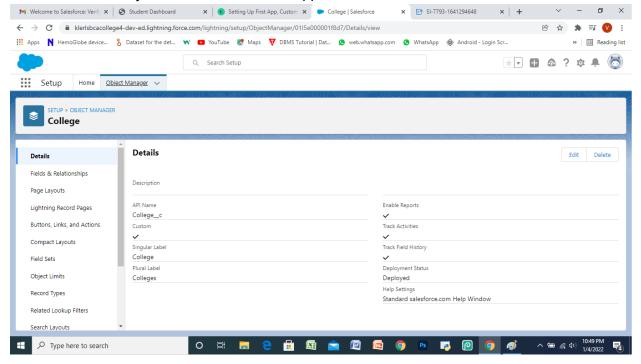
DAY 2:

Custom object creation

Create application called **COLLEGE MANAGEMENT APPLICATION**



> Create custom object called COLLEGE for application

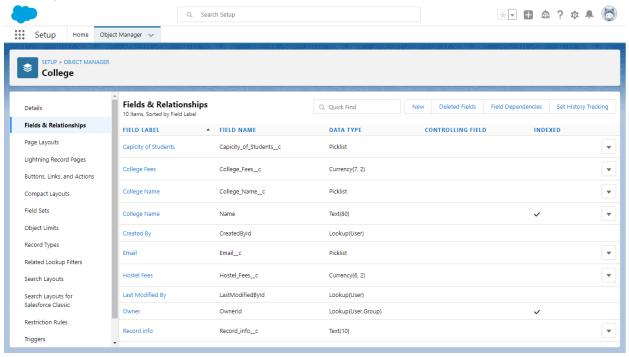


 Create fields for COLLEGE custom object Record info College Fees Hostel Fees

College Name

Email

Capacity of students



> Create Fields on **Application Form** object

Address

College

College Fees

Hostel Fees

Date of birth

Email

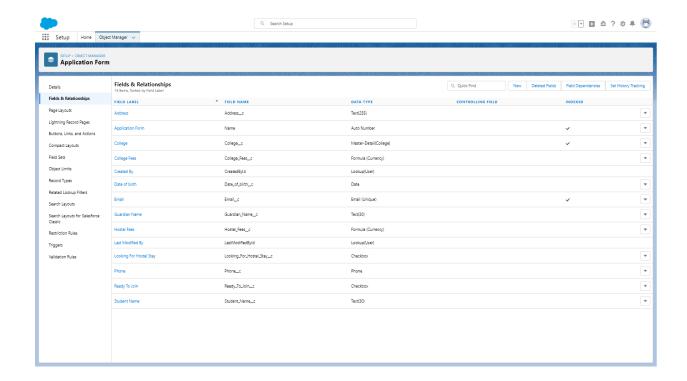
Guardian Name

Looking for hostel stay

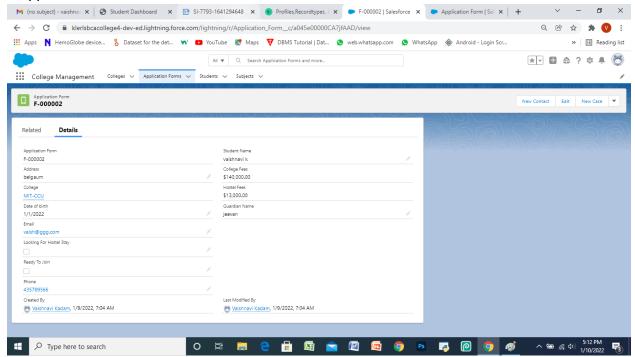
Ready to join

Student name

Phone



1 Application record created



DAY 3:

> Create fields of Student

Address

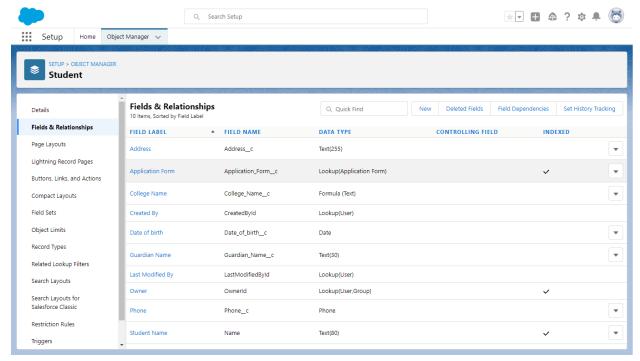
Application Form

College name

Date of birth

Guardian name

Phone

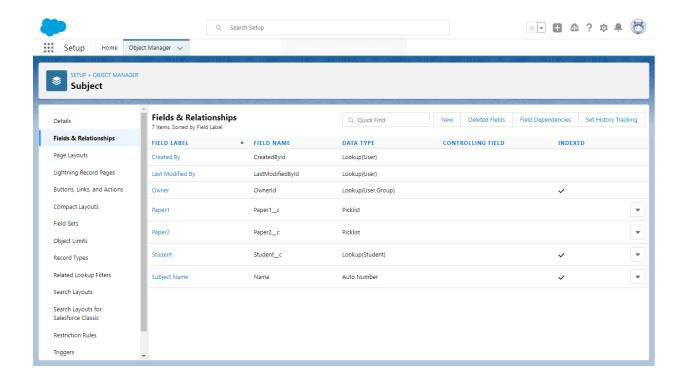


> Create fields on Subject object

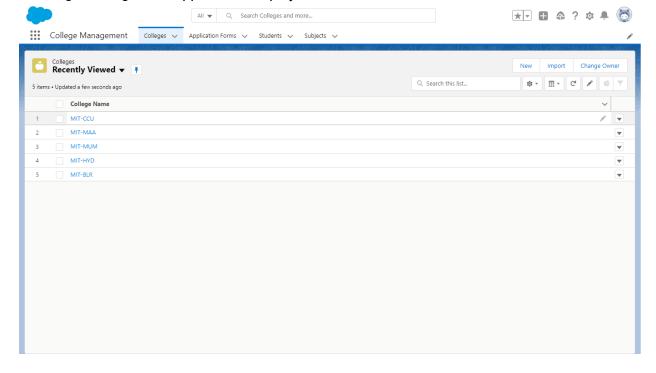
Paper1

Paper2

Student



> college management application display

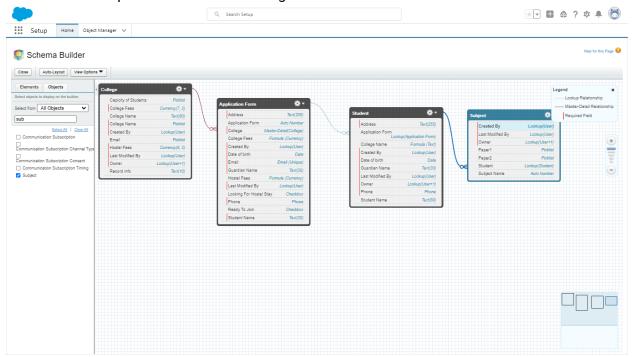


here the tabs are in lookup relationship

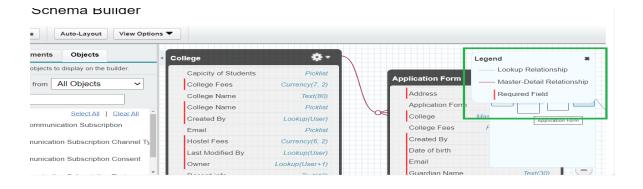
COLLEGE >> APPLICATION FORM >> STUDENT >> SUBJECT

> Schema Builder

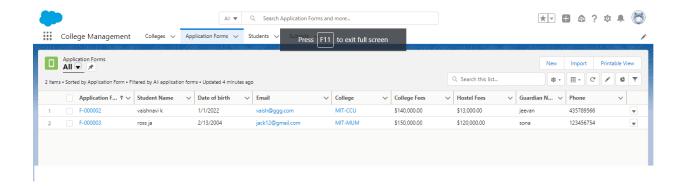
It is Pictorial representation schema diagram



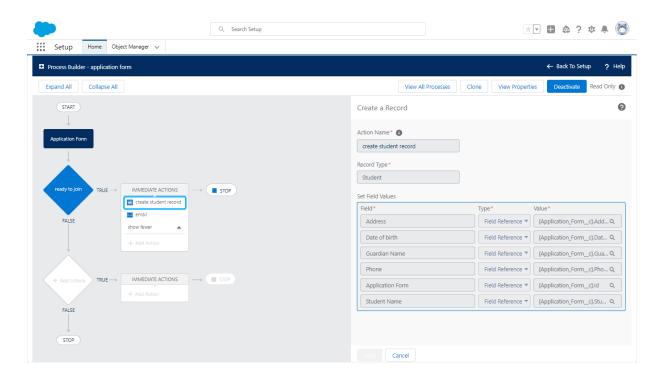
> **Legend** it shows symbolic representation ,which symbol represents what.



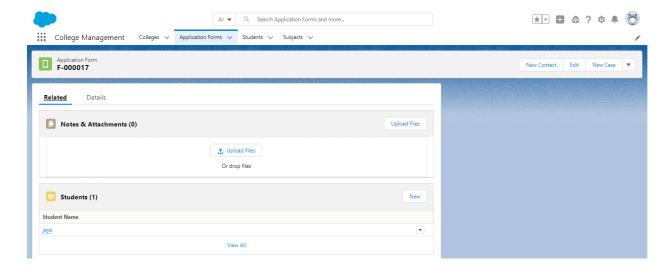
- > How to display list view fields
- 1. Go to list view ,select all
- 2. Click list view control
- 3. Select fields to display
- 4. Select the fields that you want to display.



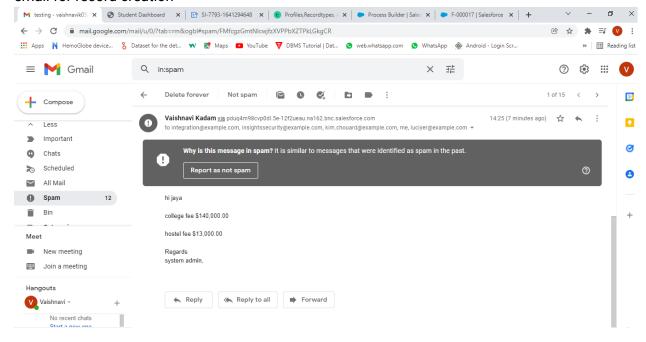
> Process Automation



New record created

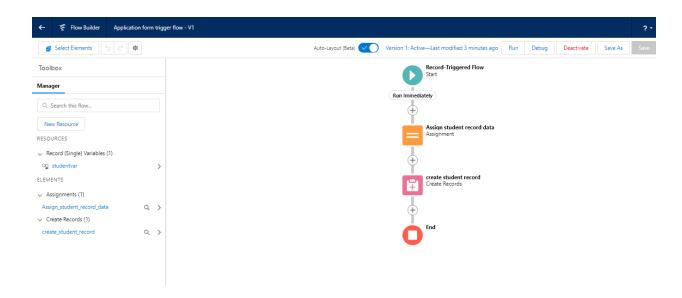


email for record creation

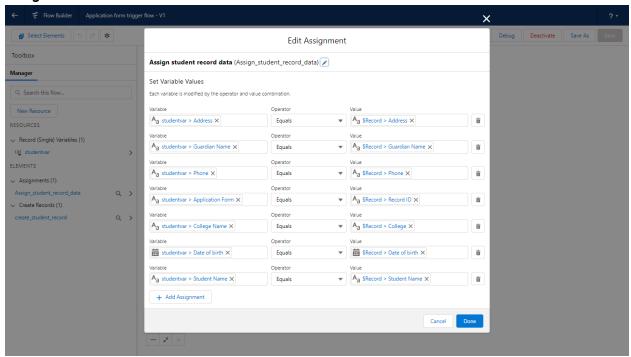


DAY 4:

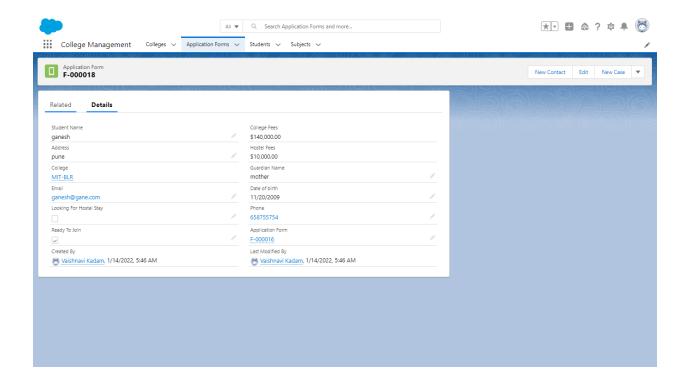
> Create student record using flow



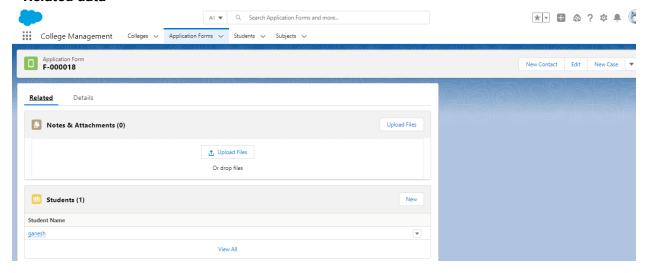
assign student record data



> record created using flow



> Related data



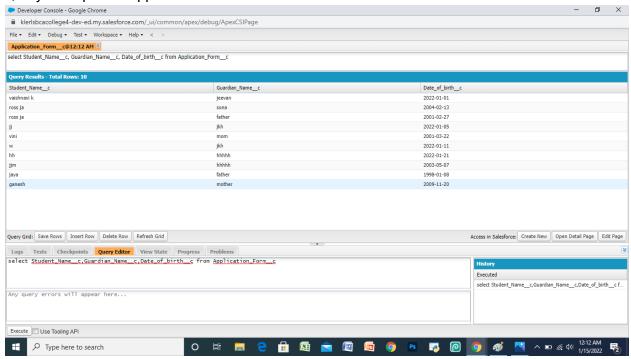
- > learned about developer console
- > salesforce primitive datatypes : boolean ,string,date,time,id, integer ,double
- > collection: list,map,set

DAY 5:

> Query

SOQL :Salesforce object query object

Query example for Application form



- > SOSL: salesforce object search language
- > collection
- > apex

two types of apex classes

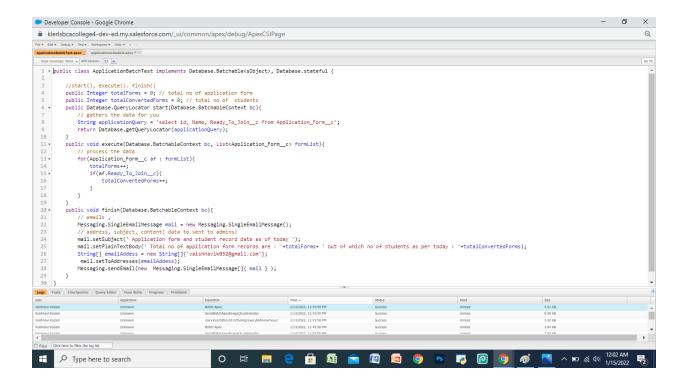
- 1. sync
- 2. async

types of async apex:

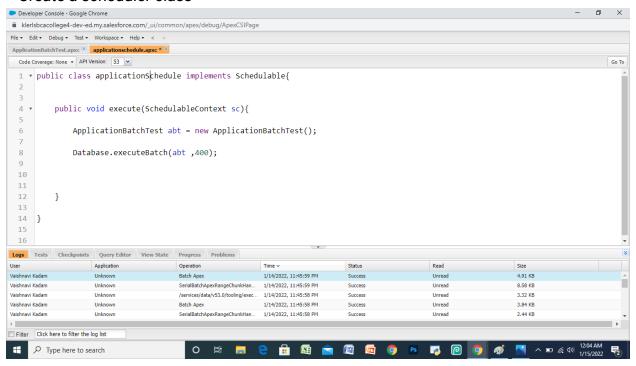
- 1. future method
- 2. batch class
- 3. queue able class
- 4. scheduler class

DAY 6:

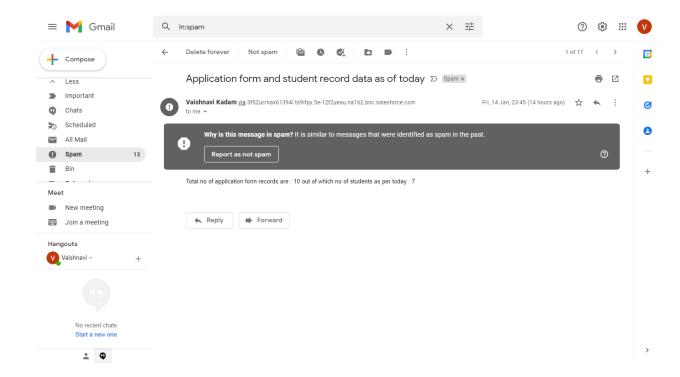
> Create a batch apex for application form



> Create a scheduler class



> email I received



DAY 7:

1. Apex Trigger

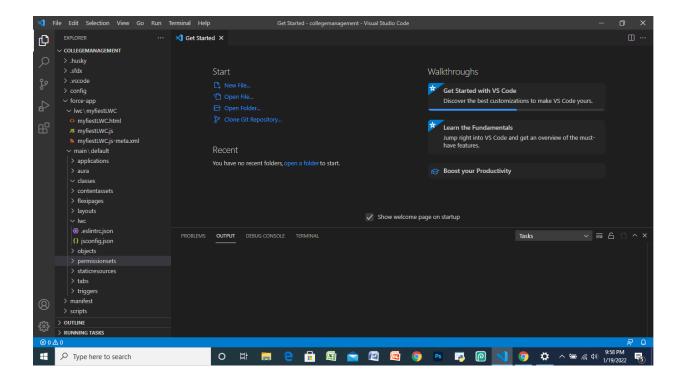
- > Two types of triggers
 Before trigger and After trigger
- > Operations performed :- insert ,update ,delete ,undelete
- 2. Trigger context variables
 - > trigger.new, trigger.old ,trigger.new map ,trigger.old map.
- Learned about how to <u>delete trigger</u> and <u>use of custom label in trigger</u>.
- Performed real time scenario: which do not allow to delete application form record as it has student record associated with it.
- Custom label: Where we store some static data/text.
- 3. Best practices for Apex and Test classes
 - > Bulkification :whatever code we write should be capable of handling everything.
 - > Should have <u>collection variable</u> whenever we write <u>class,trigger</u>.
 - > Never write <u>DML statements</u> inside <u>for loop</u>
 - > If you want to add DML statements than use list, map it will not hit any governor limits.

- > Can use Multiple for() loop but cannot use nested for loop
- 4. Test class: it is automate script for a developer to test his/her logic
 - trigger minimal coverage =0%/1%
 - apex minimal coverage should be more than 75%
- 5. @istest
- @testup
- @test.start test();
- @test.stop test();
- System assertEquals(actual,expected);

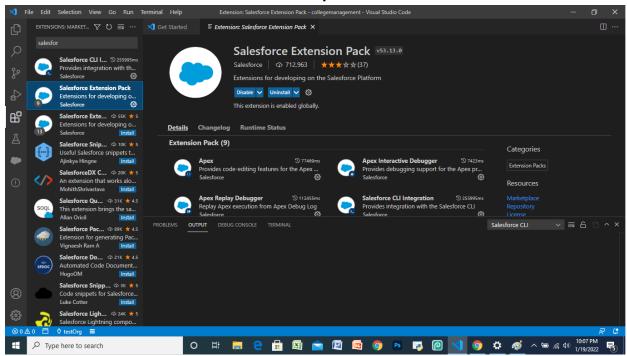
DAY 8:

Introduction to LWC (lightning web component)

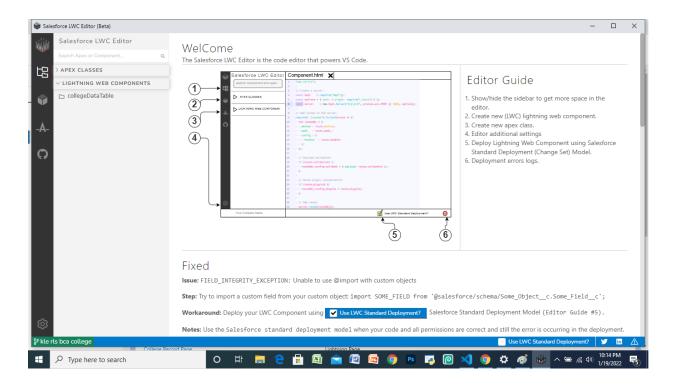
- > What is LWC:It is programming model to develop salesforce lightning components.
- > Why LWC
- > Benefits of LWC
- > Web stack transformation
- > LWC file contains main 3 files
- html ,javascript(js),meta-xml and one out of the box css file.
- > Introduction to javascript
 - -js functions
- > Installation of vs.code



> In vs.code download Salesforce extension pack



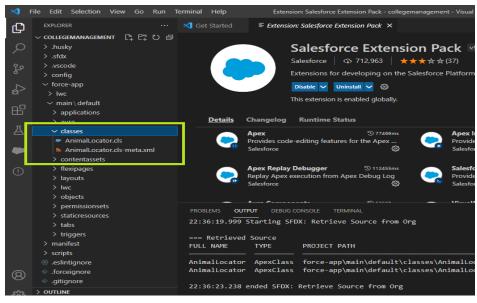
> Installation of Salesforce LWC editor



> Worked with date time and javascript.

DAY 9:

- > Installed Salesforce CLI
- > Create Lightning web component
- > learned how to deploy and retrieve sources in salesforce org



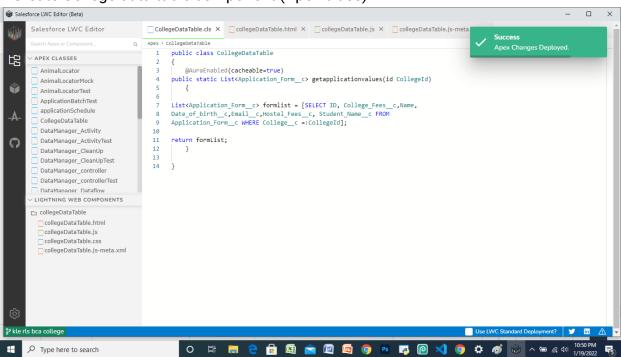
> Map and set in javascript

- > Map :it stores data in terms of key and value.
- > set : set of values without key and it only contains unique values.
- > map and set functions.
- > Operators in js
- > Difference between ==and ===
- > Strings in javascript
- > Objects in javascript
- > Functions in javascript
- > Arrow function ,console statements.
- > Example on LWC component.

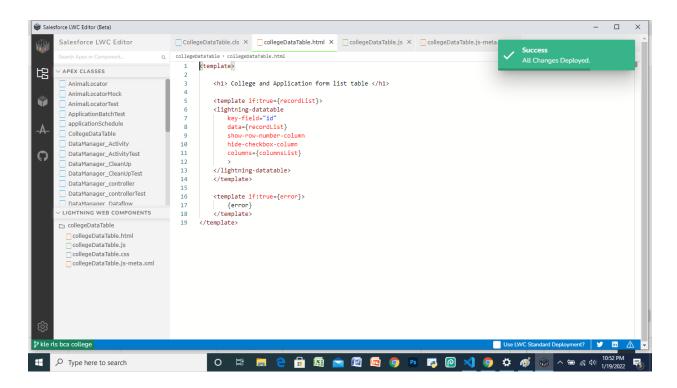
DAY 10:

Lightning web component

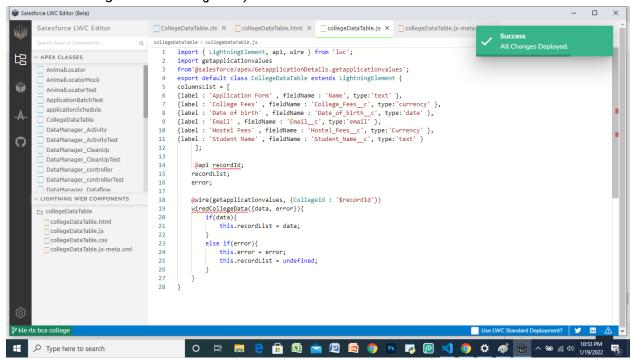
> Create College data table component (Apex class)



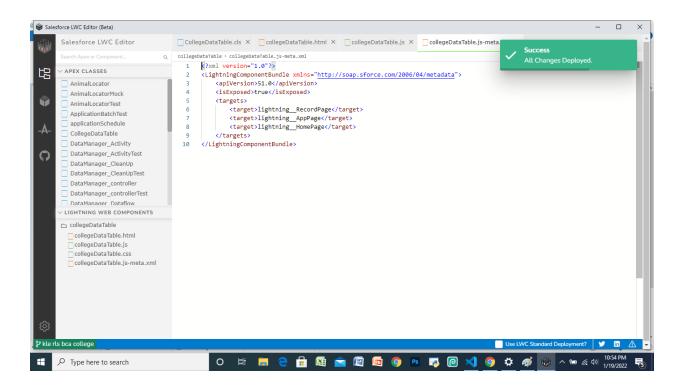
> Create College data table (html file)



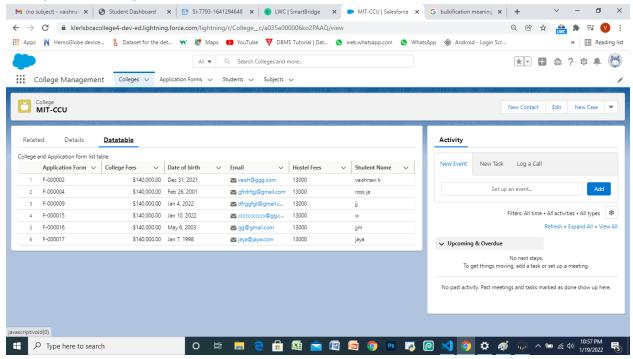
> Create College data table (js file)



>Create College data table (meta-xml file)



> Output for College data table



> Communication between parent to child and child to parent

DAY 11:

Life Cycle Hooks in LWC

- > Constructor(), Connectedcallback(),
 - constructor: fires when component instance is created.
 - flows from parents to child component.
 - structure of constructor().
- > render(), rendercallback()
- > disconnectedcallback(), errorcallback()
- > Toast messages Indicates/inform user that they are writing something wrong
- > Four types of Toast messeges
- Success (in green colour)
- Warning (in orange/yellow colour)
- info (in grey colour)
- error (in red colour)
- > sample examples on toast messeges
- > Doubt clearing session