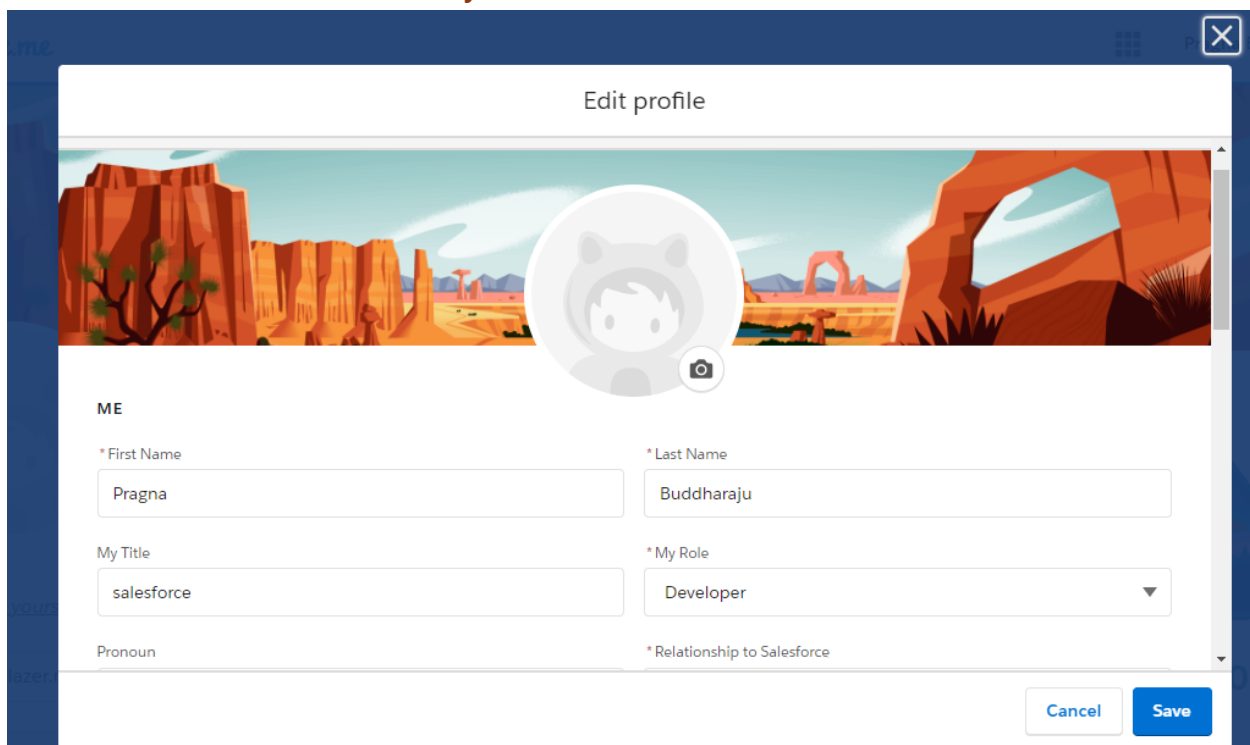# College Management Application

**DAY-1**

**Topic :** Create Your Salesforce Developer Org To Get Started

**Milestone/Activities :** Creating Developer Account

**Detailed Description :** Salesforce is your customer success platform, designed to help you sell, service, market, analyze, and connect with your customers.
Salesforce has everything you need to run your business from anywhere. Using standard products and features, you can manage relationships with prospects and customers, collaborate and engage with employees and partners, and store your data securely in the cloud.

**Screenshot of Milestone/Activity :**

## Edit profile

Pronoun

Select an Option ▼

* Relationship to Salesforce

Partner ▼

Short Bio

* URL

trailblazer.me/id/   pragnabuddharaju

**LOCATION**

* Country

India ▼

* State

Andhra Pradesh ▼

Cancel    Save

---

## Edit profile

**MY COMPANY**

* Company

Mvgr

Company Size

Select an Option ▼

Company Website

**SOCIALS**

Facebook

facebook.com/

LinkedIn

linkedin.com/in/   pragna-buddharaju-654715211/

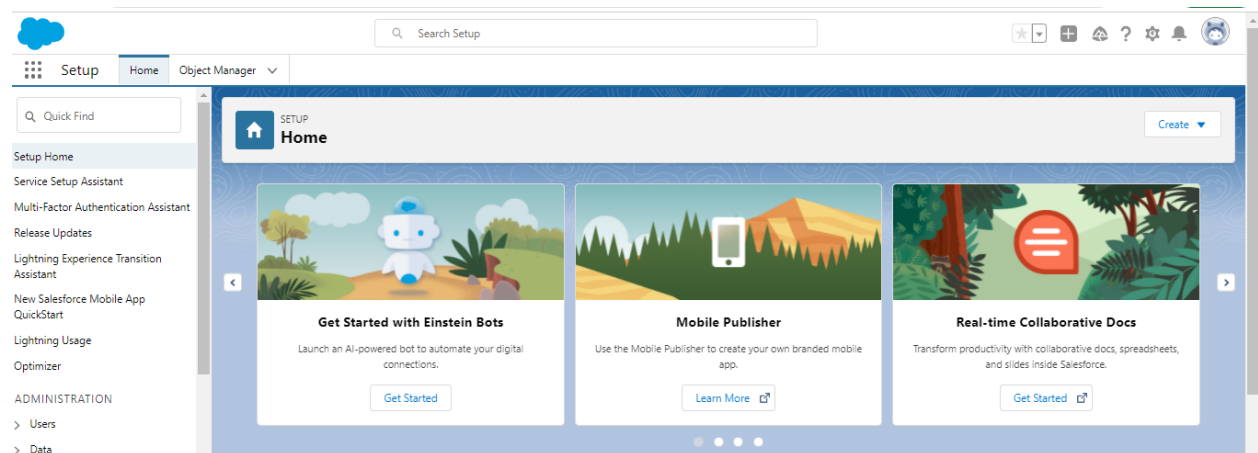Twitter

twitter.com/

My Website

🔗

Cancel    Save

**Milestone/Activities** : Account Activation

**Screenshot of Milestone/Activity :**
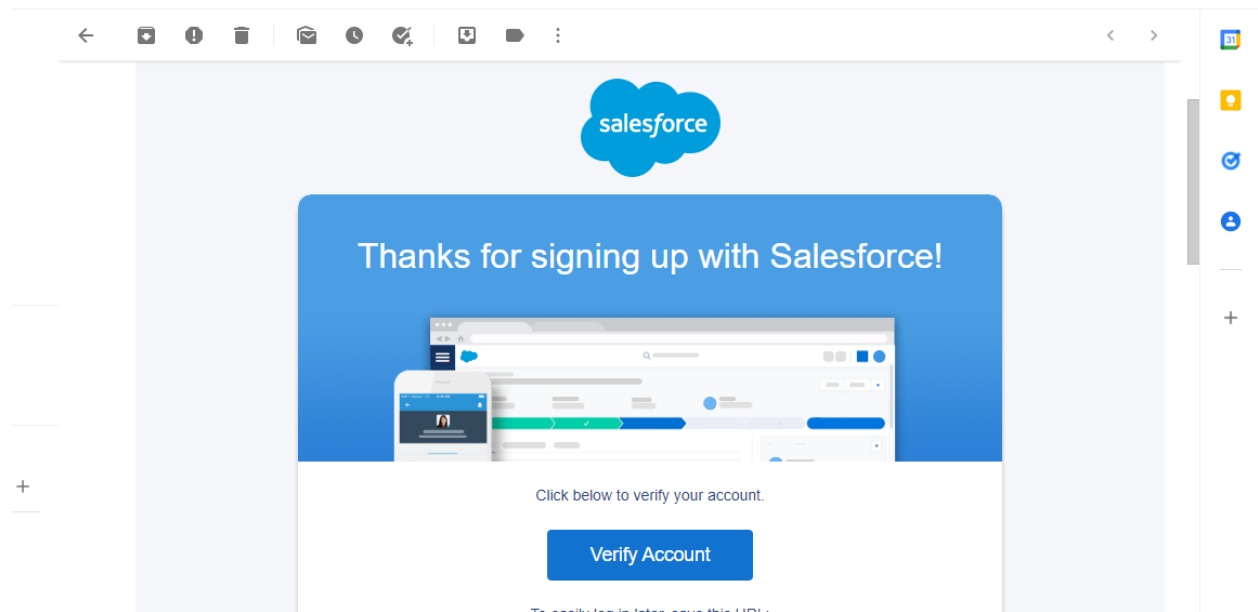


**Milestone/Activities** : Login To Your Salesforce Account

**Screenshot of Milestone/Activity :**

## DAY-2

**Topic** : Custom Object Creation

**Detailed Description :**   Custom Objects For the Application.

**Milestone/Activities** : Create Fields On College Object

**Screenshot of Milestone/Activity :**



**Milestone/Activities :** Create Fields On Application Form Object
**Screenshot of Milestone/Activity :**

## DAY-3

**Milestone/Activities** :Create Fields On Student Object

**Screenshot of Milestone/Activity :**

**Milestone/Activities** :Create Fields On Subject Object
**Screenshot of Milestone/Activity :**



**DAY-4**

**Topic** : Adding Business Logic To Application

**Milestone/Activities** : Creating Global Picklist Value Sets

College :
**Screenshot of Milestone/Activity :**

Paper 1:
## Screenshot of Milestone/Activity :

Paper2 :
**Screenshot of Milestone/Activity :**



# DAY-5

**Milestone/Activities** : Creating Field Dependencies

**Screenshot of Milestone/Activity :**

**Milestone/Activities :** Creating Validation Rules

**Screenshot of Milestone/Activity :**

## Application Form Validation Rule
Back to Application Form

Help for this Page

**Validation Rule Detail**    Edit    Clone

| | | | |
|---|---|---|---|
| Rule Name | No_Modifications_on_Application_form | Active | ✓ |
| Error Condition Formula | AND( Ready_To_Join__c == true,<br>OR(<br>ISCHANGED( Address__c ),<br>ISCHANGED( College__c ),<br>ISCHANGED( Date_of_Birth__c ),<br>ISCHANGED( Email__c ),<br>ISCHANGED( Guardian_Name__c ),<br>ISCHANGED( Phone__c )<br>)<br>) | | |
| Error Message | No modifications on the application form once a student record is created. | Error Location | Top of Page |
| Description | | | |
| Created By | Pragna Buddharaju, 1/10/2022, 3:22 AM | Modified By | Pragna Buddharaju, 1/10/2022, 3:23 AM |

Edit    Clone

# DAY-6

**Milestone/Activities** : Process Automation

**Screenshot of Milestone/Activity :**
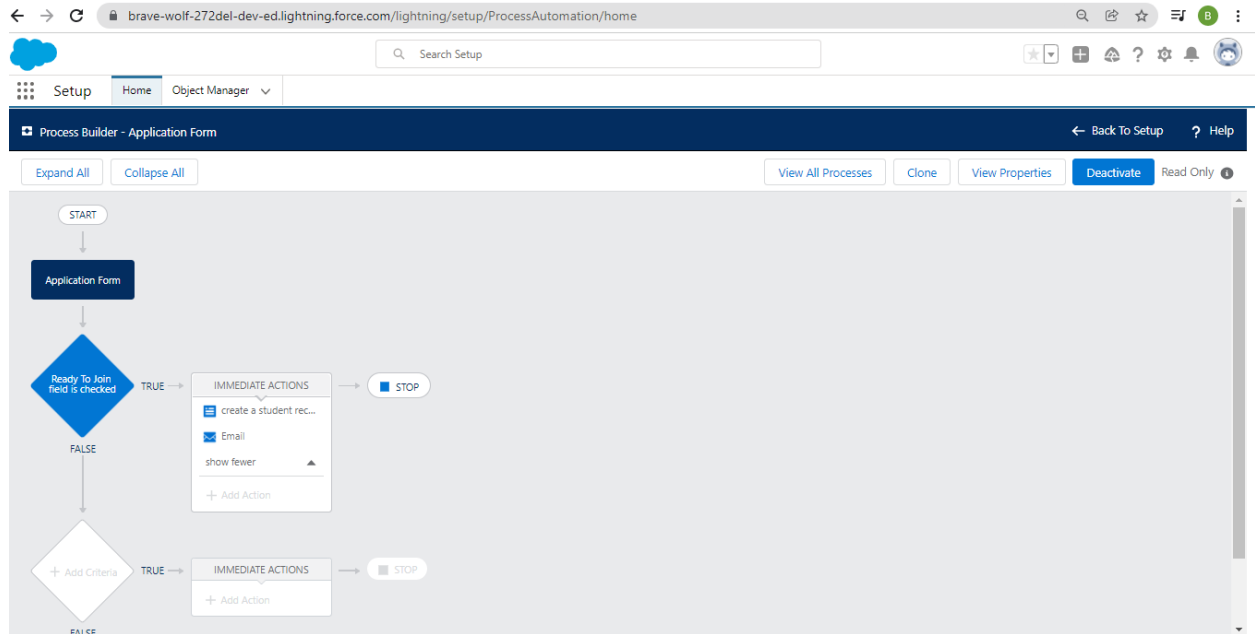
**Milestone/Activities** : Create The Student Record Using Flow

**Screenshot of Milestone/Activity :**
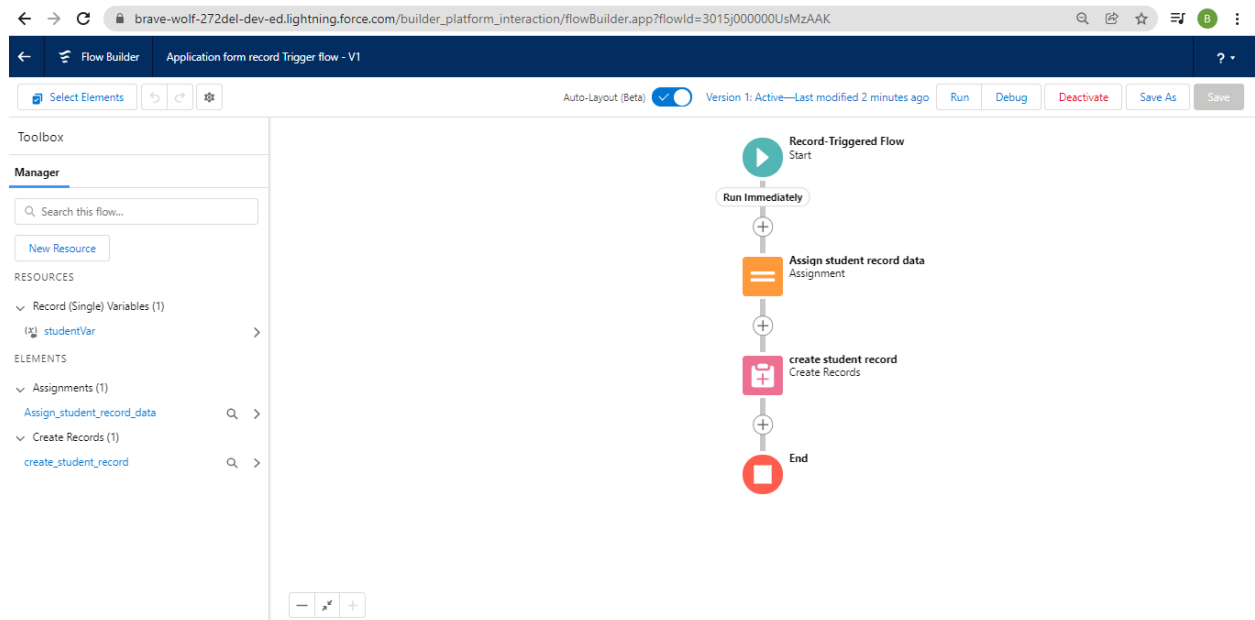
## DAY-7

**Milestone/Activities** : Create The Student Record Using Flow

**Screenshot of Milestone/Activity :**
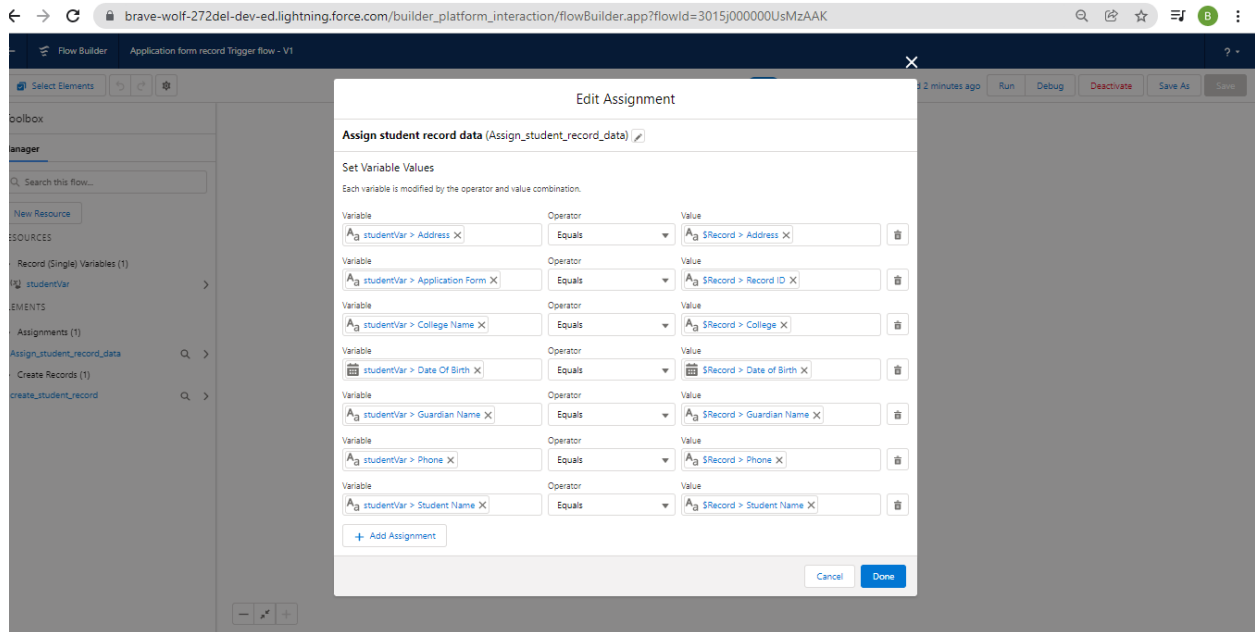


## DAY-8

**Topic :** Batch Apex

**Milestone/Activities** : Create A Batchapex For Application Form

**Detailed Description :**  Batch Apex is used to run large jobs (think thousands or millions of records!) that would exceed normal processing limits. Using Batch Apex, you can process records asynchronously in batches (hence the name, "Batch Apex") to stay within platform limits.

**Screenshot of Milestone/Activity :**

```apex
1  public class ApplicationBatchTest implements Database.Batchable<sObject>, Database.stateful{
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
```

```apex
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 toda
26         String[] emailAddess = new String[]{'pragnasforce@gmail.com'};
27          mail.setToAddresses(emailAddess);
28         Messaging.sendEmail(new  Messaging.SingleEmailMessage[]{ mail } );
29     }
30 }
31
```

Logs   Tests   Checkpoints   Query Editor   View State   Progress   Problems
Name                          Line          Problem
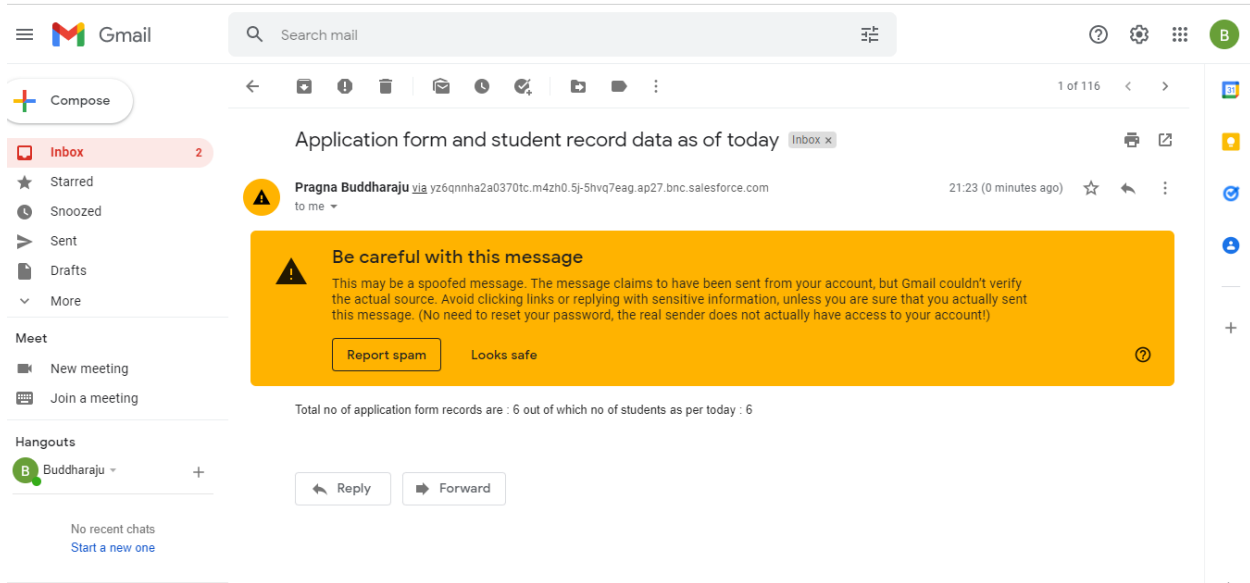
# DAY-9

**Milestone/Activities** :Create A Schedular Class

## Screenshot of Milestone/Activity :



```
public class applicationschedule implements Schedulable{
    public void execute(SchedulableContext sc){

        ApplicationBatchTest abt = new ApplicationBatchTest();

        Database.executeBatch(abt, 400); // 200 to 2000


    }
}
```

brave-wolf-272del-dev-ed.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File ▾    Edit ▾    Debug ▾    Test ▾    Workspace ▾    Help ▾    ◄    ►

ApplicationBatchTest.apxc ✕    applicationschedule.apxc ✕

Code Coverage: None ▾    API Version: 53 ▾                                              Go To

```
 1  ▼  public class applicationschedule implements Schedulable{
 2  ▼      public void execute(Schedulab  Enter Apex Code                    ▲ ✕
 3                                         1   ApplicationBatchTest a = new ApplicationBatchTest();
 4          ApplicationBatchTest abt =     2   Database.executeBatch(a,400);
 5                                         3
 6          Database.executeBatch(abt,     4   String crn = '20 10 23 ? 1 1';
 7                                         5   System.schedule('cronJob1',crn,new applicationschedule());
 8                                         6
 9                                         7
10      }
11  }                                                        ☑ Open Log   Execute   Execute Highlighted
```

Logs    Tests    Checkpoints    Query Editor    View State    Progress    Problems

Name                              Line        Problem

---

Inbox (2) - pr    Overview Of    Apex Jobs | S    Student Dash    SI-7763-1641    Recently View    Recently View    (2) WhatsApp    +

brave-wolf-272del-dev-ed.lightning.force.com/lightning/setup/AsyncApexJobs/home                    Update

⚙ Search Setup

::: Setup    Home    Object Manager ▾

🔍 apex

▾ Email
    Apex Exception Email
▾ Custom Code
    Apex Classes
    Apex Settings
    Apex Test Execution
    Apex Test History
    Apex Triggers
▾ Environments
  ▾ Jobs
      Apex Flex Queue
      Apex Jobs

Didn't find what you're looking for?
Try using Global Search.

⚙ SETUP
   Apex Jobs

Click here to go to the new batch jobs page

## Apex Jobs                                                                       Help for this Page

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/18/2022, 8:16 AM | Scheduled Apex | Queued | | 0 | 0 | 0 | Buddharaju, Pragna | | applicationschedule | | 7075j00000fgWH7 |
| | 1/18/2022, 8:06 AM | Scheduled Apex | Queued | | 0 | 0 | 0 | Buddharaju, Pragna | | applicationschedule | | 7075j00000fgUXp |
| | 1/18/2022, 7:57 AM | Batch Apex | Completed | | 1 | 1 | 0 | Buddharaju, Pragna | 1/18/2022, 7:57 AM | ApplicationBatchTest | | 7075j00000fgT8n |
| | 1/18/2022, 7:52 AM | Batch Apex | Completed | | 1 | 1 | 0 | Buddharaju, Pragna | 1/18/2022, 7:52 AM | ApplicationBatchTest | | 7075j00000fgVWQ |
| | 1/18/2022, 7:51 AM | Batch Apex | Completed | First error: SendEmail failed. First exception on row 0; first error: INVALID_ID_FIELD, ID is invalid or you do not have access to the record..: [toAddresses, your email address] | 1 | 1 | 0 | Buddharaju, Pragna | 1/18/2022, 7:51 AM | ApplicationBatchTest | | 7075j00000fgVJP |

🔍 Type here to search        O    🗊    🟢    📁    🏪    ✉    🟢    📄    🖼         20°C    ENG    22:01    18-01-2022

**DAY-10**

**Topic :** Lightning Web Components

**Detailed Description :** Lightning Web Components (LWC) is a stack of modern lightweight frameworks built on the latest web standards. It is a DOM (Document Object Model), element created through reusable code and is used to generate a dynamic interface without using JavaScript or building a Library. This feasibility makes it quick and seamless, saving the developers a ton of time and effort on the Web Stack. Let's look at some of its remarkable features

**Milestone/Activities :** Create College DataTable Component( APEX CLASS)

**Screenshot of Milestone/Activity :**
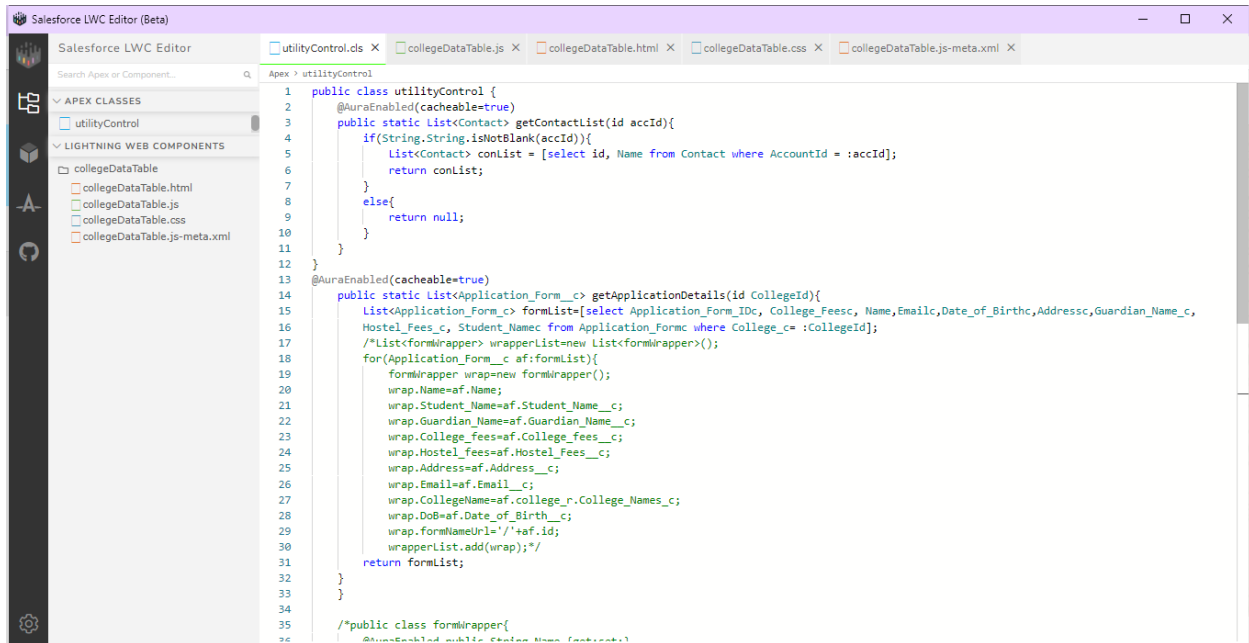
**Milestone/Activities :** Create College DataTable Component(JAVA SCRIPT FILE)
**Screenshot of Milestone/Activity :**
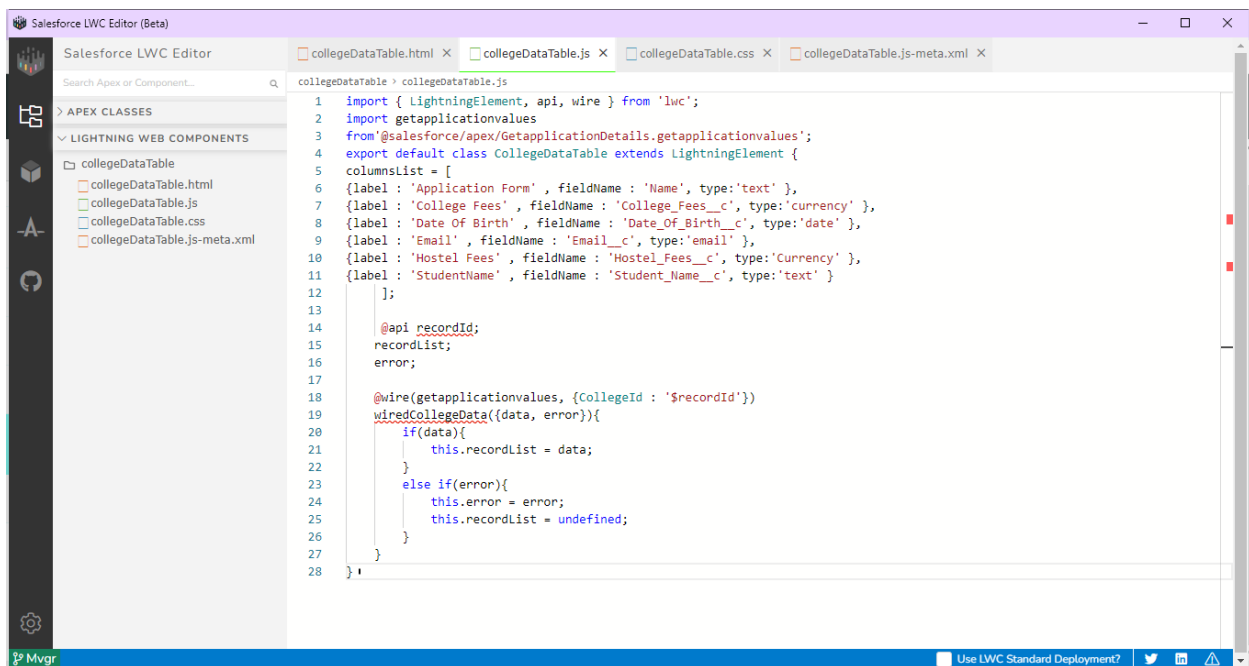
## DAY-11
**Milestone/Activities :** Create College DataTable Component (HTML FILE)
**Screenshot of Milestone/Activity :**
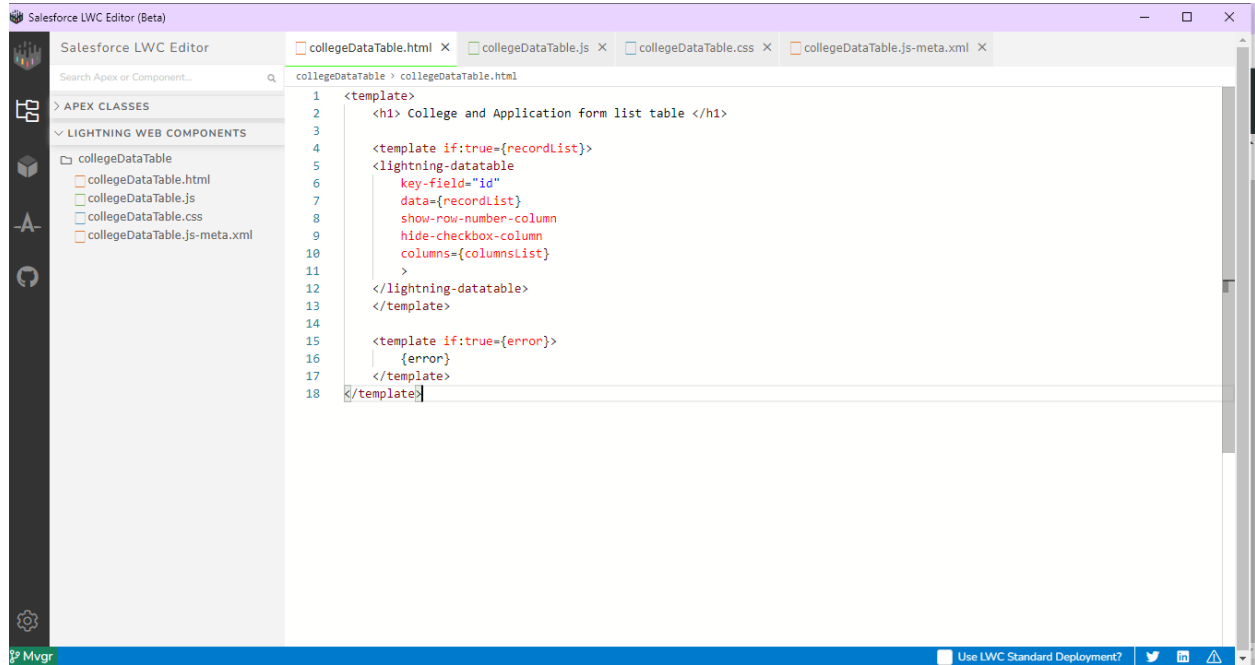


**Screenshot of Milestone/Activity :**
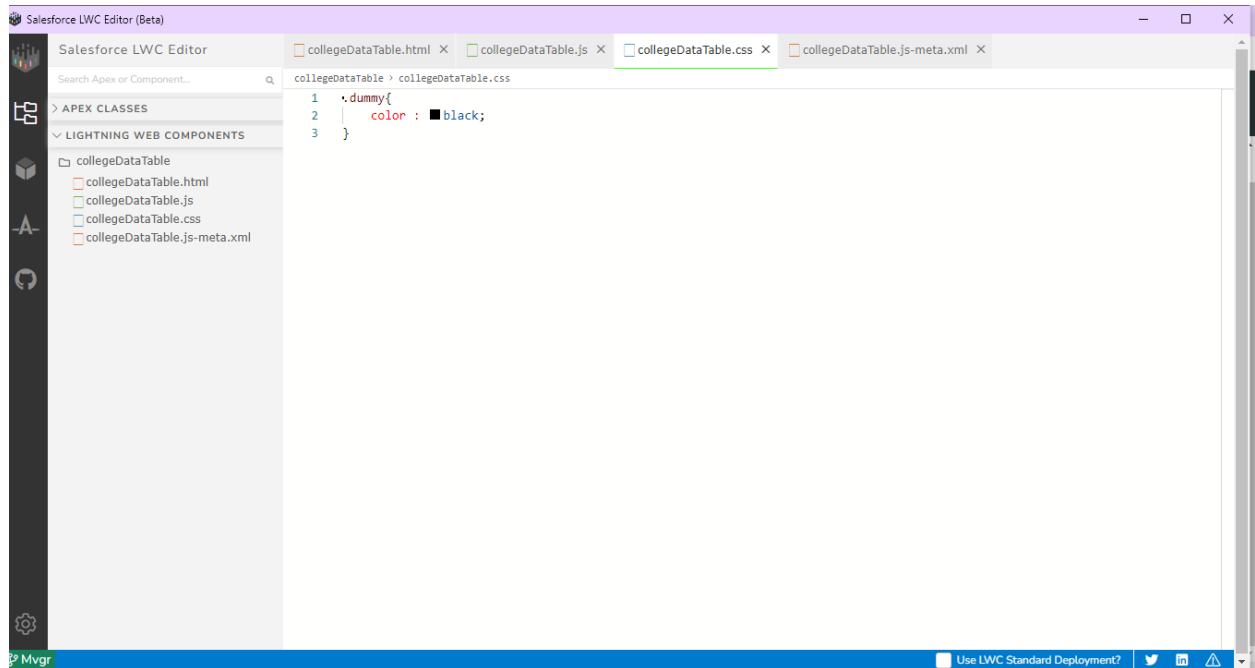
**Milestone/Activities :** Create College DataTable Component(META FILE)

**Screenshot of Milestone/Activity :**



## DAY-12
**Milestone/Activities :** ListIterator
**Screenshot of Milestone/Activity :**

Accounts ∨    Contacts ∨    Colleges ∨    Application Forms ∨    Students ∨    Subjects ∨

**Related**

**This is for-each loop example**

id:1001
Name:Dominos
Website:www.dominos.com
id:1002
Name:PizzaHut
Website:www.pizzahut.com
id:1003
Name:BurgerKing
Website:www.burger-king.com
id:1004
Name:KFC
Website:www.kfc.com

---

Salesforce LWC Editor (Beta)

Salesforce LWC Editor

listIterator.html ✕    listIterator.js ✕

listIterator > listIterator.html

```html
1  <template>
2      <lightning-card  variant="Narrow"  title="This is for-each loop example" icon-name="standard:account">
3          <template for:each={contacts} for:item="con" icon-name="standard:contact">
4              <div key={con.id}>
5                  id:{con.id} <br/>
6                  Name:{con.Name} <br/>
7                  Website:{con.Website}
8              </div>
9          </template>
10     </lightning-card>
11 </template>
```

> APEX CLASSES
∨ LIGHTNING WEB COMPONENTS
  ⌂ listIterator
    listIterator.html
    listIterator.js
    listIterator.js-meta.xml
  ⌂ mysecondcomp

ⓘ Result Panel                                                                          ✕

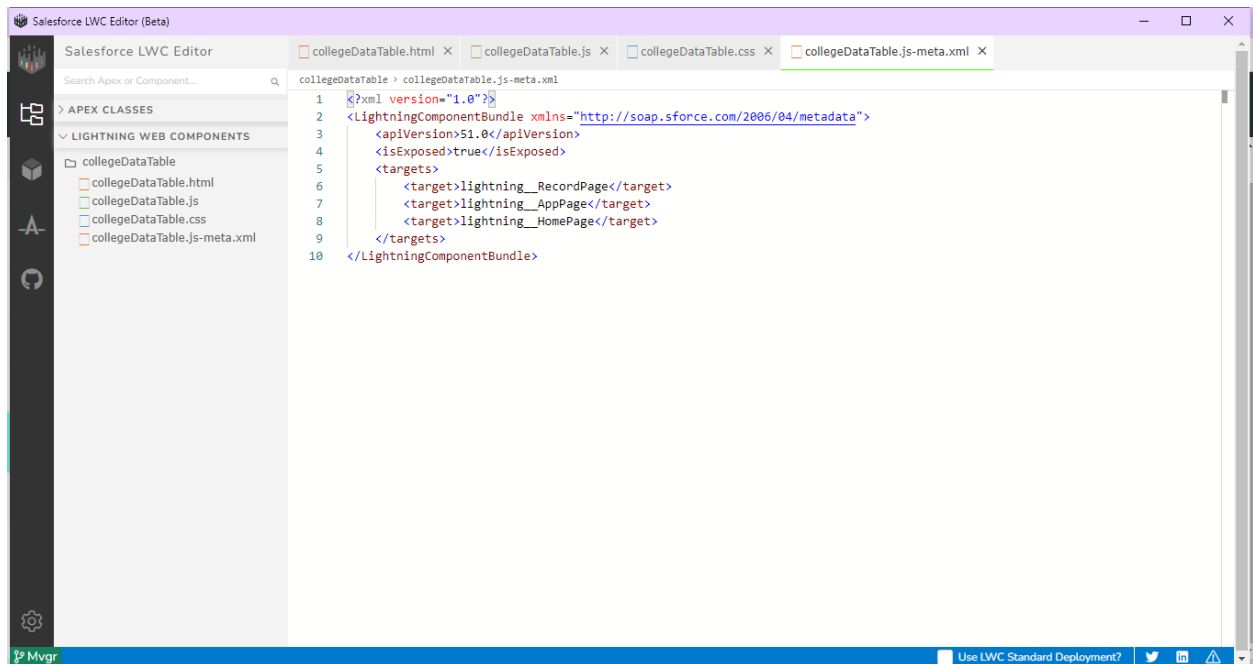1 listIterator.html successfully deployed source                          1/17/2022 10:30:03 AM
2 listIterator.js successfully deployed source                            1/17/2022 10:30:03 AM

---

Salesforce LWC Editor (Beta)

Salesforce LWC Editor

listIterator.html ✕    listIterator.js ✕

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4              <div key={con.id}>
5                  id:{con.id} <br/>
6                  Name:{con.Name} <br/>
7                  Website:{con.Website}
8              </div>
9          </template>
10     </lightning-card>
11 </template>
```

> APEX CLASSES
∨ LIGHTNING WEB COMPONENTS
  ⌂ listIterator
    listIterator.html
    listIterator.js
    listIterator.js-meta.xml
  ⌂ mysecondcomp

ⓘ Result Panel                                                                          ✕

1 listIterator.html successfully deployed source                          1/17/2022 10:30:03 AM
2 listIterator.js successfully deployed source                            1/17/2022 10:30:03 AM