Project Title: **SALESFORCE PROJECT READY**

DAY 3:

Topic: **Batch Apex**

Milestone / Activities:
1) From the developer console create a new apex class and enter the following code.
2) From the developer console create a new apex class and enter the following code.

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. If you have a lot of records to process, for example, data cleansing or archiving, Batch Apex is probably your best solution.

Syntax of BatchApex:

```
public class MyBatchClass implements Database.Batchable<sObject> {
   public (Database.QueryLocator | Iterable<sObject>) start(Database.BatchableContext bc) {
      // collect the batches of records or objects to be passed to execute
   }
   public void execute(Database.BatchableContext bc, List<P> records){
      // process each batch of records
   }
   public void finish(Database.BatchableContext bc){
      // execute any post-processing operations
   }
}
```

1. From the developer console create a new apex class and enter the following code.

Program Implementation:

```
public class ApplicationBatchTest implements Database.Batchable<sObject>{
   //start(), execute(). finish()
   public Integer totalForms = 0; // total no of application form
   public Integer totalConvertedForms = 0; // total no of  students
   public  Database.QueryLocator start(Database.BatchableContext bc){
      // gathers the data for you
     String applicationQuery = 'select id, Name, Ready_To_Join__c from ApplicationForm__c';
      Return Database.getQueryLocator(applicationQuery);
   }
   public void execute(Database.BatchableContext bc, List<ApplicationForm__c> formList){
      // process the data
      for(ApplicationForm__c af : formList){
         totalForms++;
         if(af.Ready_To_Join__c){
            totalConvertedForms++;
         }
      }
   }
   public void finish(Database.BatchableContext bc){
      // emails ,
      Messaging.SingleEmailMessage mail = new Messaging.SingleEmailMessage();
      // address, subject, content( data to sent to admins)
      mail.setSubject(' Application form and student record data as of today ');
       mail.setPlainTextBody(' Total no of application form records are : '+totalForms+ ' out of
which no of students as per today : '+totalConvertedForms);
      String[] emailAddess = new String[]{'your email address'};
       mail.setToAddresses(emailAddess);
      Messaging.sendEmail(new  Messaging.SingleEmailMessage[]{ mail } );
   }
}
```

2) From the developer console create a new apex class and enter the following code.

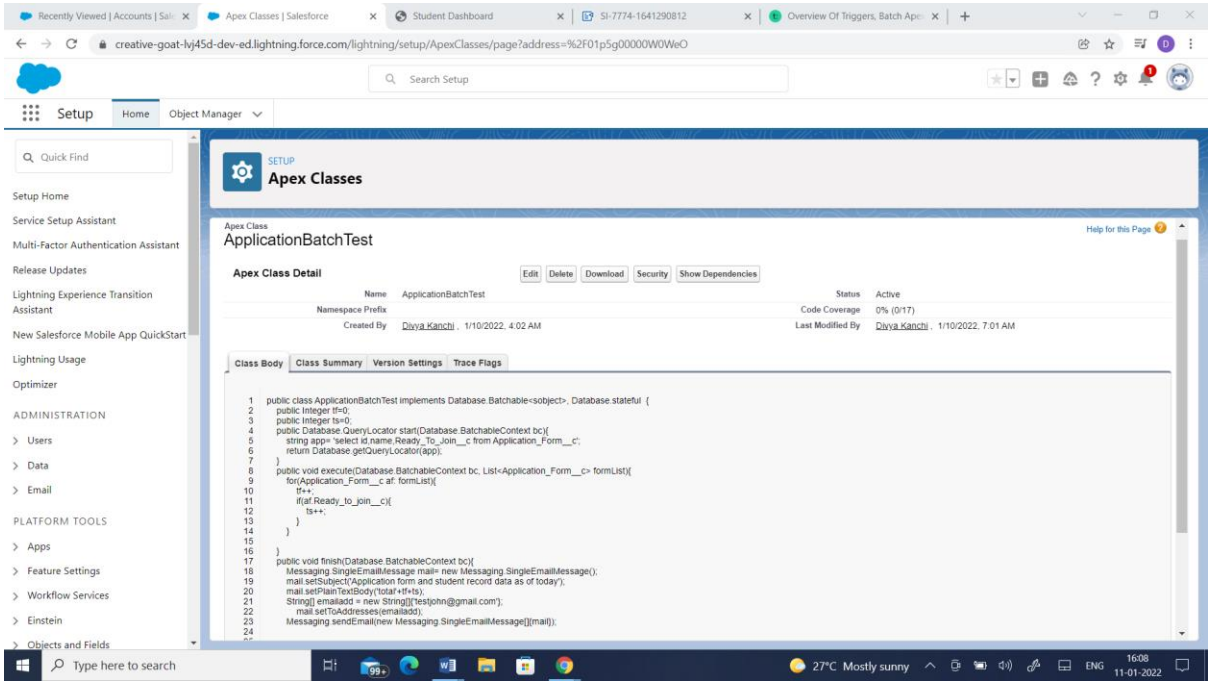
Program Implementation:

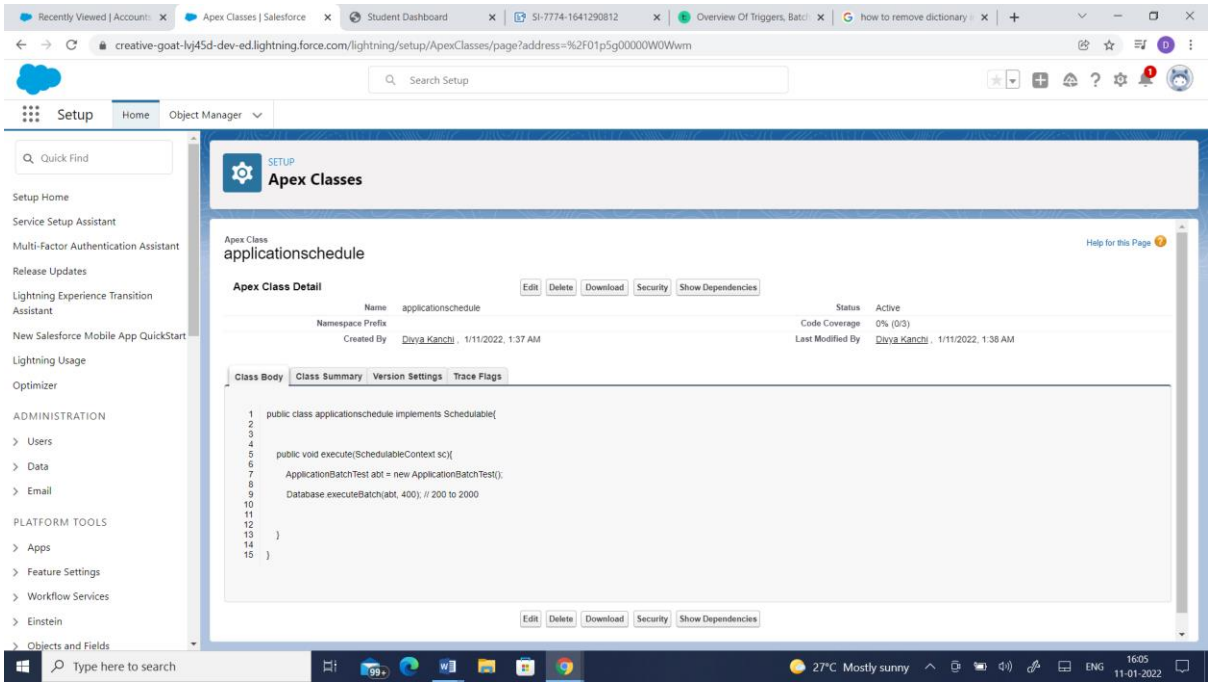
```
public class applicationschedule implements Schedulable{
    public void execute(SchedulableContext sc){
ApplicationBatchTest abt = new ApplicationBatchTest();
      Database.executeBatch(abt, 400); // 200 to 2000

  }
}
```

After program implementation, from apex class we need to schedule job and fill the details as per our requirements.

Outcome:




Recently Viewed | Accounts
Apex Classes | Salesforce
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Overview Of Triggers, Batch
how to remove dictionary
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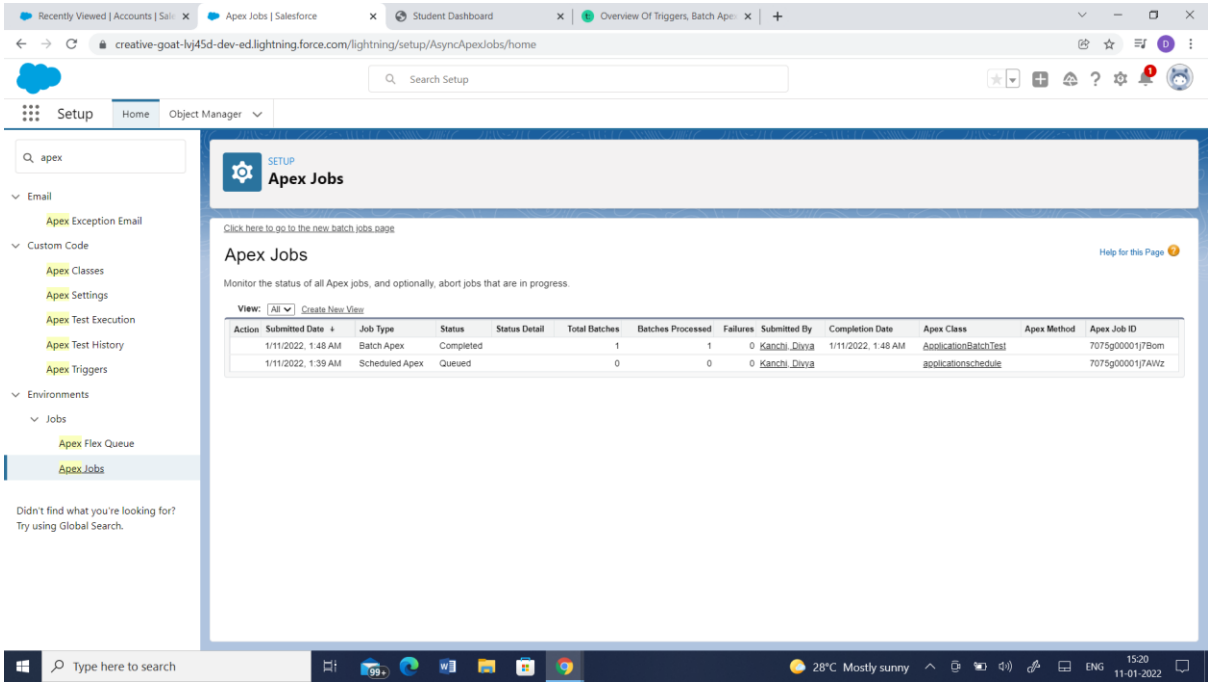
Search Setup
Setup
Home
Object Manager
Quick Find
Setup Home
Service Setup Assistant
Multi-Factor Authentication Assistant
Release Updates
Lightning Experience Transition Assistant
New Salesforce Mobile App QuickStart
Lightning Usage
Optimizer
ADMINISTRATION
Users
Data
Email
PLATFORM TOOLS
Apps
Feature Settings
Workflow Services
Einstein
Objects and Fields
SETUP
Apex Classes
Apex Class
applicationschedule
Help for this Page
Apex Class Detail
Edit
Delete
Download
Security
Show Dependencies
Name
applicationschedule
Status
Active
Namespace Prefix
Code Coverage
0% (0/3)
Created By
Divya Kanchi , 1/11/2022, 1:37 AM
Last Modified By
Divya Kanchi , 1/11/2022, 1:38 AM
Class Body
Class Summary
Version Settings
Trace Flags
1 public class applicationschedule implements Schedulable{
2
3
4
5 public void execute(SchedulableContext sc){
6
7 ApplicationBatchTest abt = new ApplicationBatchTest();
8
9 Database.executeBatch(abt, 400); // 200 to 2000
10
11
12
13 }
14
15 }
Edit
Delete
Download
Security
Show Dependencies
Type here to search
27°C Mostly sunny
ENG
16:05
11-01-2022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creative-goat-lvj45d-dev-ed.lightning.force.com/lightning/setup/AsyncApexJobs/home
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
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Batch Apex
Completed
1
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1/11/2022, 1:48 AM
ApplicationBatchTest
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Scheduled Apex
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Kanchi, Divya
applicationschedule
7075g00001j7AWz
Type here to search
28°C Mostly sunny
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