

Project Title : College Management Application

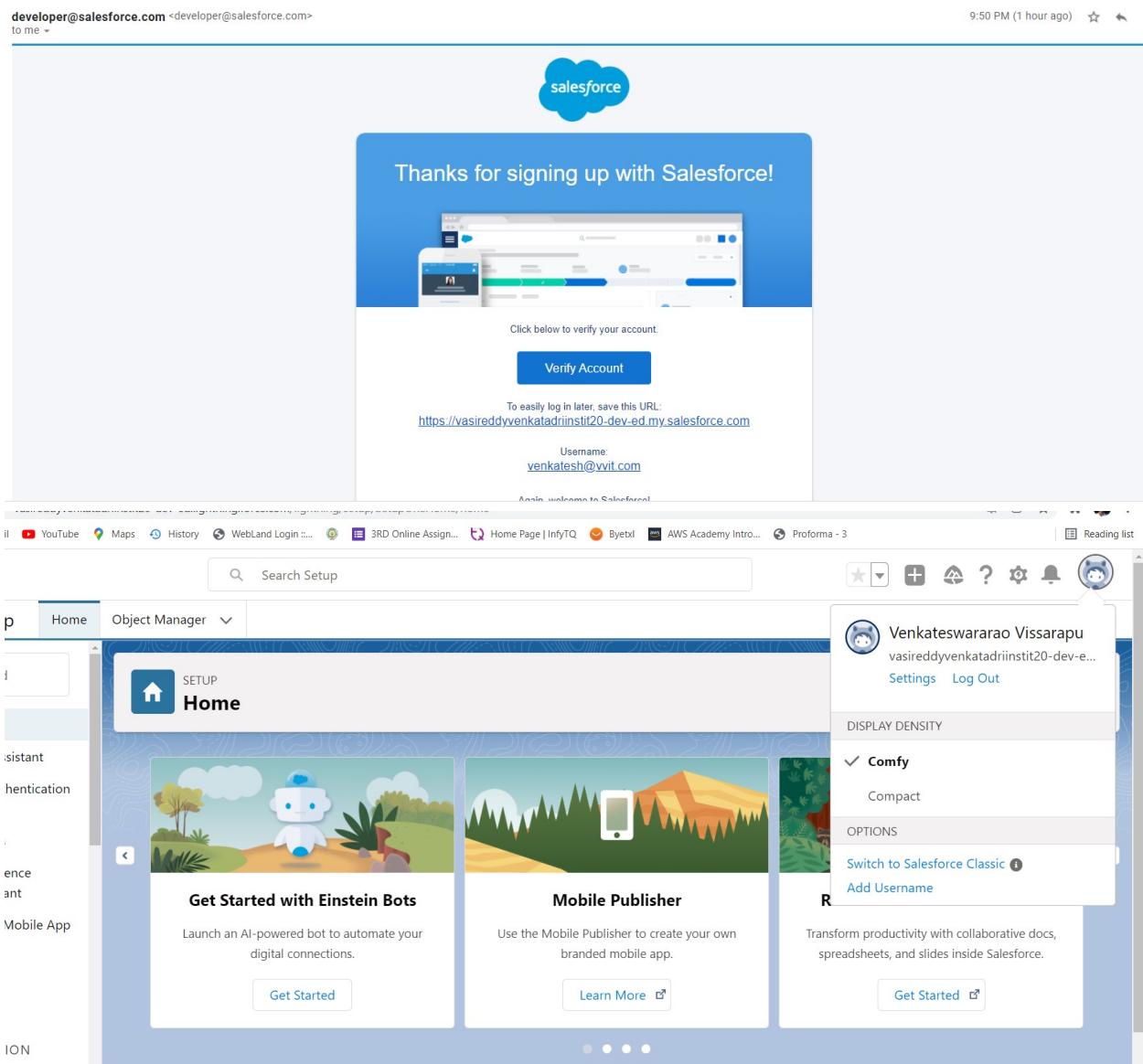
DAY 1 :

Topic : Create Salesforce Developer Org To Get Started

- Milestone / Activities :**
- 1)Creating Developer Account
 - 2)Account Activation
 - 3>Login To Salesforce Account

Detailed Description:

Upload the Screenshot the Milestone / Activities :



Day 2 :

Topic : Custom Object Creation

- Activites :
- 1)Create The Custom Objects For The Application
 - 2)Create Fields On College Object
 - 3)Create Fields On Application Form Object
 - 4)Create Fields On Student Object
 - 5)Create Fields On Subject Object

Detailed Description :

- Create college Management Application In Org
By clicking New Lighting App Tab in App Manager

The screenshot shows the Salesforce Lightning App Builder interface. The top navigation bar includes links for Apps, Gmail, YouTube, Maps, History, WebLand Login, 3RD Online Assign., Home Page, InfyTQ, Byetxl, AWS Academy Intro, Proforma - 3, and a Reading list. The main header bar has tabs for Lightning App Builder, App Settings, Pages, and College Management.

The left sidebar under 'App Settings' has sections for App Details & Branding, App Options, Utility Items (Desktop Only), Navigation Items, and User Profiles. The 'App Details & Branding' section is active, showing fields for App Name (College Management), Developer Name (College_Management), Image (Upload button), Primary Color Hex Value (#26B11E), and Description (First Application). It also includes an 'Org Theme Options' checkbox and an 'App Launcher Preview' section showing a green icon with 'CM' and the app details.

1) Create The Custom Objects For The Application

Create the following Custom Objects For the Application.

1. College

The screenshot shows the Salesforce Setup interface for creating a custom object named 'College'. The left sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The main 'Details' tab displays the following information:

Field	Value
Description	
API Name	College_c
Custom	✓
Singular Label	College
Plural Label	Colleges
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the top right of the main area are 'Edit' and 'Delete' buttons.

2. Application Form.

The screenshot shows the Salesforce Setup interface for creating a custom object named 'Application Form'. The left sidebar lists various configuration options: Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The main 'Details' tab displays the following information:

Field	Value
Description	
API Name	Application_Form_c
Custom	✓
Singular Label	Application Form
Plural Label	Application Forms
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the top right of the main area are 'Edit' and 'Delete' buttons.

3. Students.

The screenshot shows the Salesforce Object Manager interface for the 'Student' object. The left sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The main 'Details' tab is selected, showing the following details:

Detail	Value
Description	
API Name	Students__c
Custom	✓
Singular Label	Student
Plural Label	Students
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the top right, there are 'Edit' and 'Delete' buttons. The browser address bar shows the URL: vasireddyvenkatadriinstit20-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01I5j000000hXCp/Details/view.

4. Subjects.

The screenshot shows the Salesforce Object Manager interface for the 'Subject' object. The left sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, and Restriction Rules. The main 'Details' tab is selected, showing the following details:

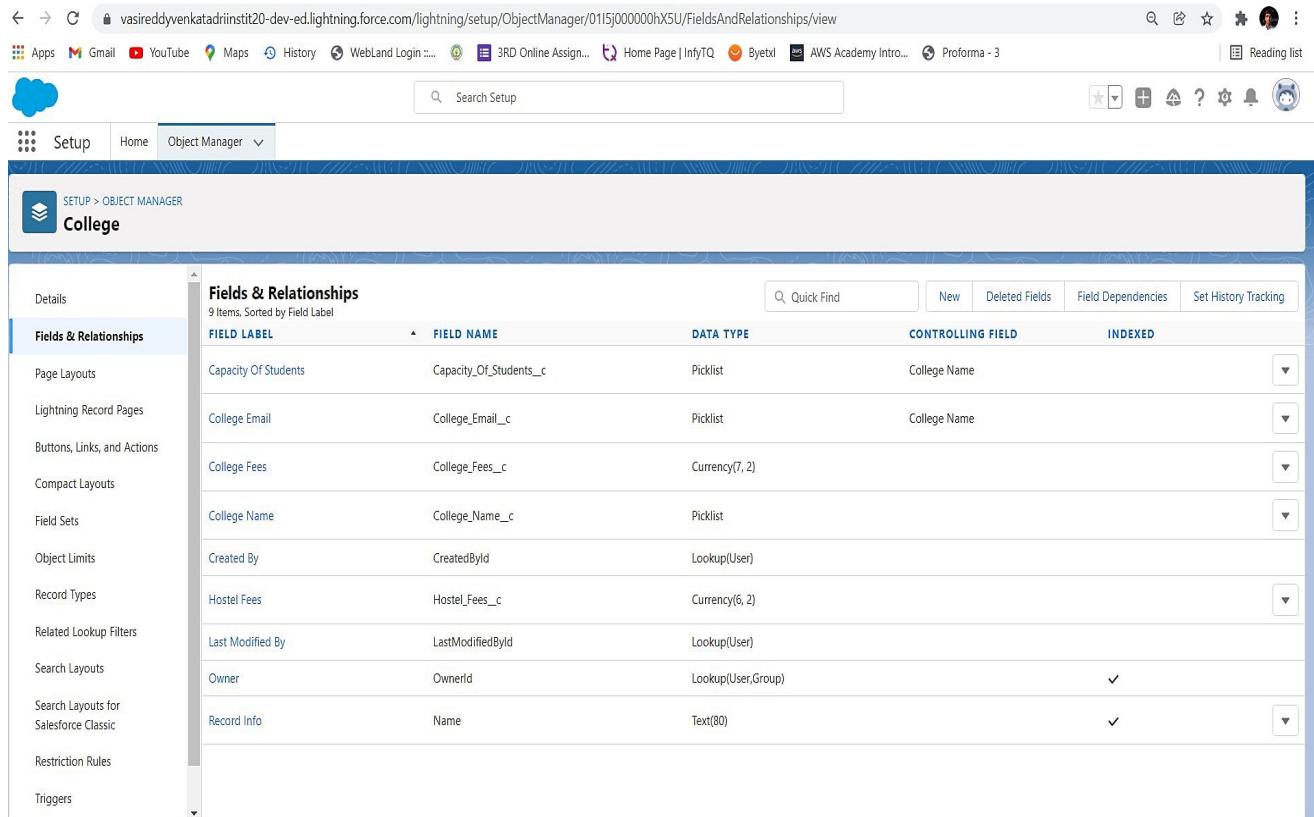
Detail	Value
Description	
API Name	Subject__c
Custom	✓
Singular Label	Subject
Plural Label	Subjects
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

At the top right, there are 'Edit' and 'Delete' buttons. The browser address bar shows the URL: vasireddyvenkatadriinstit20-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01I5j000000hYYR/Details/view.

2) Create Fields On College Object

Create the following fields on the college object.

Field Name	Data Type	Required	Values
Record Info	Text		
College Fees	Currency(7,2)	Yes	
Hostel Fees	Currency(6,2)	Yes	
College Name	Picklist(Refer Business Logic In Milestones)	Yes	
Email	Picklist		blr@mit.co.in hyd@mit.co.in mum@mit.co.in maa@mit.co.in ccu@mit.co.in del@mit.co.in
Capacity Of Students	Picklist		500-1000, 1000-2500, 2500-6000, 6000-10000



The screenshot shows the Salesforce Setup interface for the 'College' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main content area is titled 'Fields & Relationships' and displays a table of fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Capacity Of Students	Capacity_of_Students_c	Picklist	College Name	
College Email	College_Email_c	Picklist	College Name	
College Fees	College_Fees_c	Currency(7, 2)		
College Name	College_Name_c	Picklist		
Created By	CreatedBy	Lookup(User)		
Hostel Fees	Hostel_Fees_c	Currency(6, 2)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Record Info	Name	Text(30)		✓

3)Create Fields On Application Form Object

Create the following fields on the application form object.

Field Name	Data Type	Required	Values
Application Form ID	Autonumber		F-{000000} Starting Number=1
Address	Text(255)	Yes	
College	Master-Detail(College)	Yes	
College Fees	Formula(Currency)		
Hostel Fees	Formula(Currency)		
date of Birth	Date	Yes	
Email	Email(Unique)	Yes	
Guardian Name	Text(30)	Yes	
Looking For Hostel Stay	Checkbox(default=Uncheck)		
Ready To Join	Checkbox(default=Uncheck)		
Student Name	Text(30)	Yes	
Phone	Phone	Yes	

vasireddyvenkatadriinstit20-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01I5j000000hX8Y/FieldsAndRelationships/view

Apps Gmail YouTube Maps History WebLand Login ... 3RD Online Assign... Home Page | InfyTQ Byetxl AWS Academy Intro... Proforma - 3 Reading list

Setup Object Manager Application Form

Fields & Relationships
14 items. Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Text(255)		
Application Form ID	Name	Auto Number		✓
College	College__c	Master-Detail[College]		✓
College Fees	College_Fees__c	Formula (Currency)		
Created By	CreatedById	LookupUser		
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	LookupUser		
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)		

vasireddyvenkatadriinstit20-dev-ed.lightning.force.com/lightning/o/Application_Form_c/new?count=18&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST_VIEW&uid=1641...

Apps Gmail YouTube Maps History WebLand Login ... 3RD Online Assign... Home Page | InfyTQ Byetxl AWS Academy Intro... Proforma - 3 Reading list

College Management Application

New Application Form

Information

Application Form ID	* Address
	<input type="text"/> Complete this field.
* Student Name	* Guardian Name
<input type="text"/>	<input type="text"/>
* College	Ready To Join
Search Colleges...	<input type="checkbox"/>
* Date of Birth	Looking For Hostel Stay
<input type="text"/>	<input type="checkbox"/>
* Email	
<input type="text"/>	
* Phone	
<input type="text"/>	

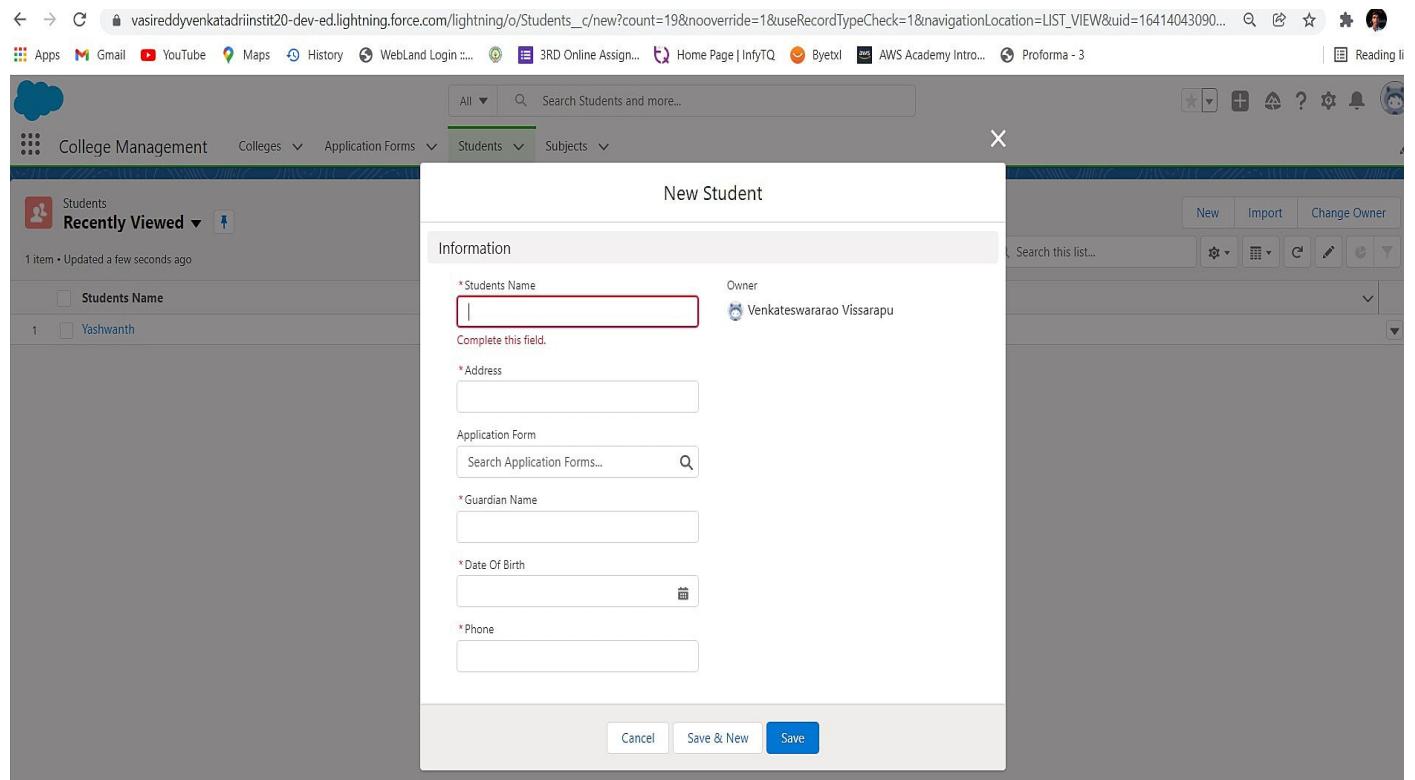
Cancel Save & New Save

4) Create Fields On Student Object

Create the following fields on the student object.

Field Name	Data Type	Required	Values
Student Name	Text		
Address	Text(255)	Yes	
Application Form	Lookup(Application Form)		
College Name	Formula(Text)		
Date Of Birth	Date	Yes	
Guardian Name	Text(30)	Yes	
Phone	Phone	Yes	

The screenshot shows the Salesforce Setup interface for the 'Object Manager' of the 'Student' object. The left sidebar lists various configuration options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, Search Layouts for Salesforce Classic, Restriction Rules, and Triggers. The main content area displays the 'Fields & Relationships' section, which lists 10 items sorted by Field Label. Each item includes the Field Label, Field Name, Data Type, Controlling Field (if applicable), and Indexed status. The fields listed are: 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), and Students Name (Name, Text(80)).



5)Create Fields On Subject Object

Create the following fields On the Subject object.

Field Name	Data Type	Required	Values
Subject ID	AutoNumber		S-{000000} Starting Number=1
Paper 1	Picklist(Refer Business Logic Milestone)		
Paper2	Picklist(Refer Business logic Milestone)		
Student	Lookup(Student)		

vasireddyvenkatadriinsti20-dev-ed.lightning.force.com/lightning/setup/ObjectManager/0115j000000hYR/FieldsAndRelationships/view

Apps Gmail YouTube Maps History WebLand Login ... 3RD Online Assign... Home Page | InfyTQ Byetxl AWS Academy Intro... Proforma - 3 Reading list

Setup Home Object Manager

SETUP > OBJECT MANAGER Subject

Fields & Relationships

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	Paper_1_c	Picklist		▼
Paper 2	Paper_2_c	Picklist		▼
Student	Student_c	Lookup(Student)		▼
Subject ID	Name	Auto Number		✓

vasireddyvenkatadriinsti20-dev-ed.lightning.force.com/lightning/o/Subject_c/new?count=20&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST_VIEW&uid=1641404336206...

Apps Gmail YouTube Maps History WebLand Login ... 3RD Online Assign... Home Page | InfyTQ Byetxl AWS Academy Intro... Proforma - 3 Reading list

College Management Colleges Application Forms Students Subjects

Subjects Recently Viewed ▾

1 item • Updated a few seconds ago

Subject ID
1 S-000001

New Subject

Information

Subject ID	Owner
--None--	Venkateswararao Vissarapu
Paper 1	--None--
Paper 2	--None--
Student	Search Students...

Cancel Save & New Save

Day : 3

Topic : Adding Business Logic To Application

Activites :

Creating Global Picklist Value Sets :

1. Create the following global picklist value sets for the application.

a)College

Picklist Value Name	Values
College	MIT-HYD MIT-BLR MIT-MUM MIT-MAA MIT-DEL MIT-CCU

b)Paper1

Picklist Value Name	Values
Paper 1	APEX JAVA C C++

c)Paper2

Picklist Value Name	Values
Paper2	MATHEMATICS ENGLISH STATISTICS

College - Global Picklist Value Set

The screenshot shows the Salesforce Setup interface with the following details:

- Global Value Set Detail:** Label: College Name, Name: College_Name, Description: (empty).
- Picklist Values Used:** Active and inactive picklist values: 6 (1,000 max).
- Values Table:** A table listing the picklist values with columns: Action, Values, API Name, Default, Chart Colors, and Modified By. The values listed are:

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	MIT-BLR	MIT-BLR	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
Edit Del Deactivate	MIT-HYD	MIT-HYD	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
Edit Del Deactivate	MIT-MUM	MIT-MUM	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
Edit Del Deactivate	MIT-MAA	MIT-MAA	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
Edit Del Deactivate	MIT-CCU	MIT-CCU	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
Edit Del Deactivate	MIT-DEL	MIT-DEL	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/4/2022, 9:08 AM
- Inactive Values:** A section showing 0 inactive values.

Paper 1 - Global Picklist Value Set

The screenshot shows the Salesforce Setup interface. On the left, the navigation sidebar is open, showing sections like Data, Feature Settings, Objects and Fields, and a highlighted 'Picklist Value Sets' under Objects and Fields. A search bar at the top left contains the text 'Pic'. The main content area is titled 'SETUP Picklist Value Sets' and shows a 'Global Value Set' named 'Paper_1'. The 'Information' section displays the label 'Paper 1' and name 'Paper_1'. The 'Picklist Values Used' section shows four active values: APEX, JAVA, C, and C++. The 'Values' table lists these with their API names and modification history by Venkateswararao Vissarapu. The 'Inactive Values' section is empty.

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	APEX	APEX	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:38 AM
Edit Del Deactivate	JAVA	JAVA	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:38 AM
Edit Del Deactivate	C	C	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:38 AM
Edit Del Deactivate	C++	C++	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:38 AM

Paper 2 - Global Picklist Value Set

The screenshot shows the Salesforce Setup interface. The navigation sidebar is similar to the first paper, with 'Picklist Value Sets' highlighted. The main content area is titled 'SETUP Picklist Value Sets' and shows a 'Global Value Set' named 'Paper2'. The 'Information' section displays the label 'Paper2' and name 'Paper2'. The 'Picklist Values Used' section shows three active values: MATHEMATICS, ENGLISH, and STATISTICS. The 'Values' table lists these with their API names and modification history by Venkateswararao Vissarapu. The 'Inactive Values' section is empty.

Action	Values	API Name	Default	Chart Colors	Modified By
Edit Del Deactivate	MATHEMATICS	MATHEMATICS	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:39 AM
Edit Del Deactivate	ENGLISH	ENGLISH	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:39 AM
Edit Del Deactivate	STATISTICS	STATISTICS	<input type="checkbox"/>	Assigned dynamically	Venkateswararao Vissarapu, 1/5/2022, 6:39 AM

Creating Field Dependencies :

1. Create field dependency between college Name and Email, where the controlling field is college Name and dependent field is Email. Select the email ids according to the college names.
2. Create field dependency between college Name and capacity of students, where the controlling field is college Name and dependent field is Capacity of Students. Select the values according to your wish.

The screenshot displays two pages from the Salesforce Object Manager for the 'College' object.

College Field Dependencies: This page lists field dependencies. It shows a table with columns: Action, Controlling Field (College Name), Dependent Field (College Email), and Modified By. There are two entries:

Action	Controlling Field	Dependent Field	Modified By
Edit Del	College Name	College Email	Venkateswarao Vissarapu, 1/4/2022, 9:32 AM
Edit Del	College Name	Capacity Of Students	Venkateswarao Vissarapu, 1/4/2022, 9:37 AM

Edit Field Dependency: This page allows editing a specific field dependency. It shows the 'Controlling Field' as 'College Name' and 'Dependent Field' as 'College Email'. The 'Instructions' section provides guidelines for using the grid:

- Double click on a cell to toggle its visibility for the Controlling Field value shown in the column heading.
- To change multiple cells at once, select multiple cells and then click the Include Values or Exclude Values button to change the visibility of all selected cells at once.
- Use SHIFT + click to select a range of adjacent cells. Use CTRL + click to select multiple cells that are not adjacent.
- Use the Preview button to test the results.

The main area shows a grid for defining dependencies based on College Name and College Email. The grid has columns for College Name and College Email, and rows for various locations like MIT-BLR, MIT-HYD, MIT-MUM, MIT-MAA, and MIT-CCU. The grid cells contain email addresses such as blr@mit.co.in, hyd@mit.co.in, mum@mit.co.in, maa@mit.co.in, etc.

Create Validation Rule On College Object :

1. Create a validation rule such that the college name and record info should have the same name.

TEXT(College_Name__c) <> Name

Rule Name	College_Name_Similar	Active
Error Condition Formula	TEXT(College_Name__c) <> Name	✓
Error Message	Please use the college name in Record Info	Error Location Top of Page
Description		
Created By	Venkateswararao Vissarapu, 1/5/2022, 6:55 AM	Modified By Venkateswararao Vissarapu, 1/5/2022, 6:55 AM

2. Create a validation rule on the application form object to stop any modification on the application form once a student record is created.

```
AND( Ready_To_Join__c == true,
OR(
ISCHANGED( Address__c ) ,
ISCHANGED( College__c ) ,
ISCHANGED( Date_of_Birth__c ),
ISCHANGED( Email__c ) ,
ISCHANGED( Guardian_Name__c ) ,
ISCHANGED( Phone__c )
)
)
```

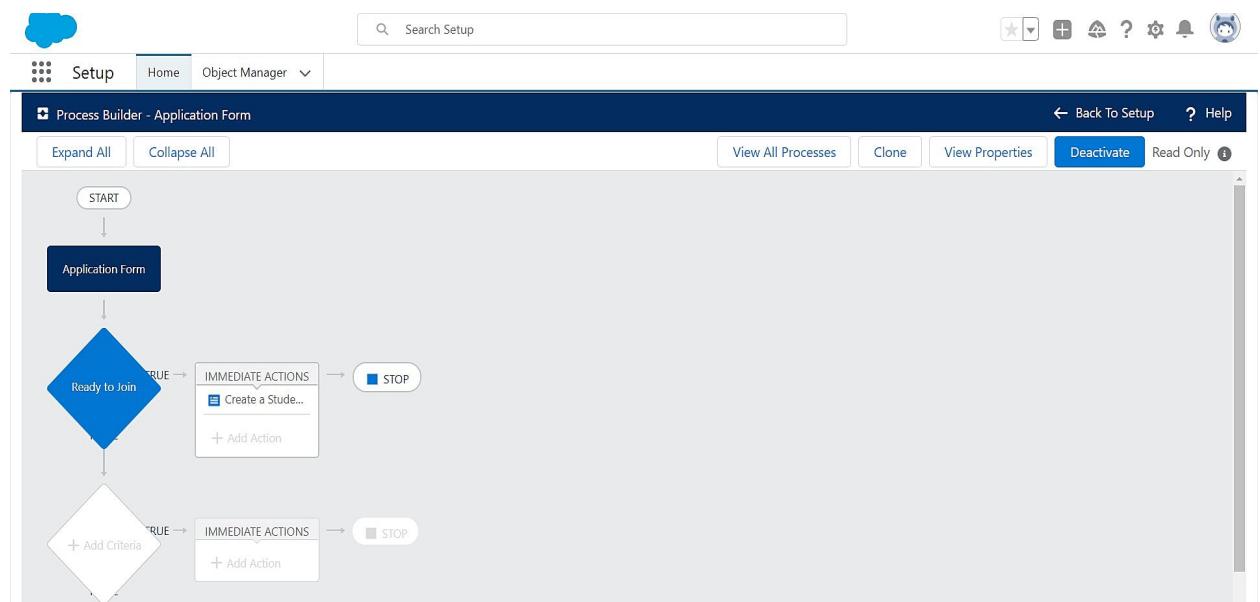
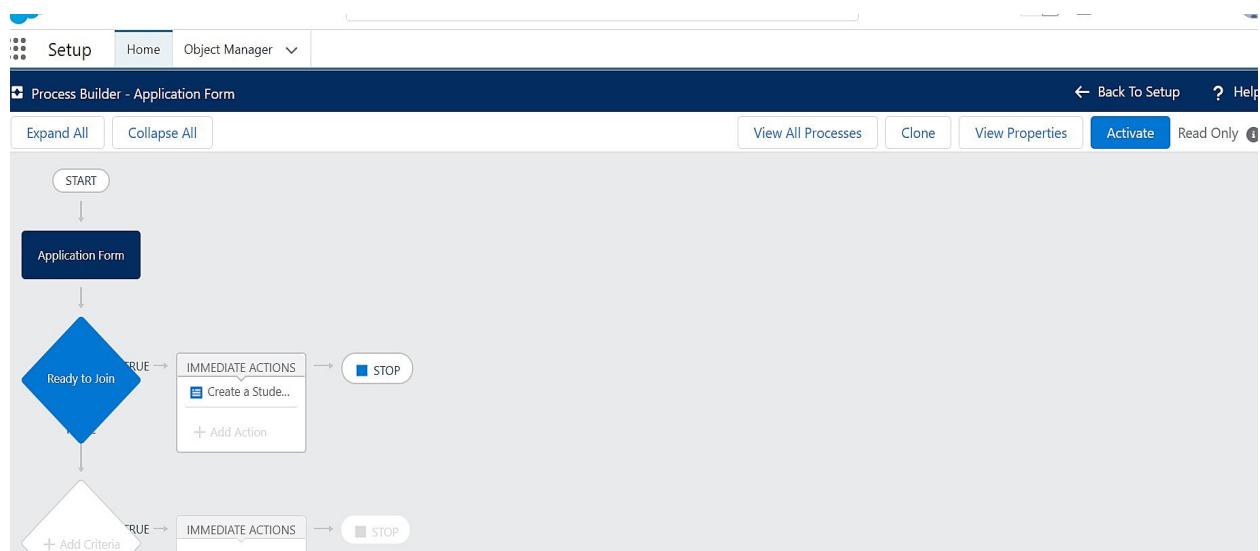
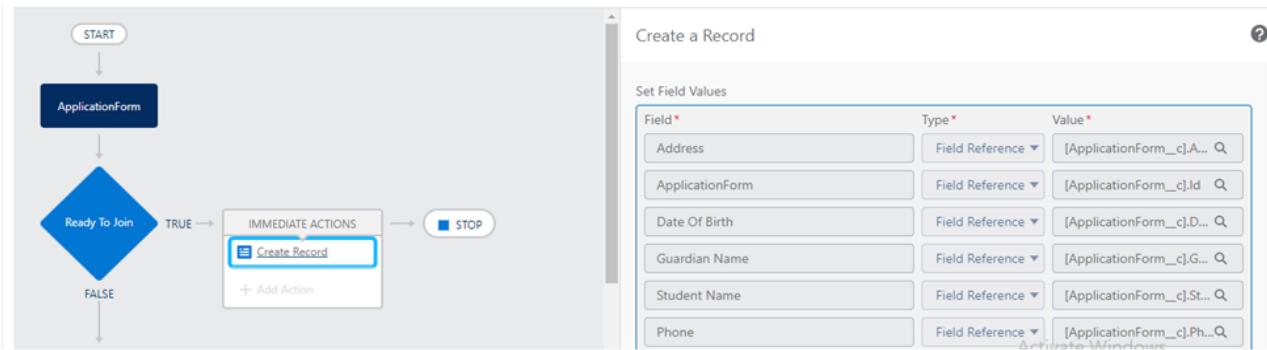
The screenshot shows the Salesforce Setup interface with the following details:

- Setup** tab selected in the top navigation bar.
- Object Manager** selected in the sub-navigation bar.
- Application Form** selected in the main content area.
- Validation Rule Detail** page for the **Application Form Validation Rule**.
- Validation Rule Detail** section:
 - Rule Name:** Application_Form_Modification
 - Error Condition Formula:** AND(Ready_To_Join__c == true, OR(ISCHANGED(Address__c), ISCHANGED(College__c), ISCHANGED(Date_of_Birth__c), ISCHANGED(Email__c), ISCHANGED(Guardian_Name__c), ISCHANGED(Phone__c)))
 - Status:** Active (checked)
 - Error Message:** Once student record is created in Application Form and modifications are not accepted.
 - Error Location:** Top of Page
 - Description:** Venkateswararao Vissarapu, 1/8/2022, 8:00 AM
 - Created By:** Venkateswararao Vissarapu, 1/8/2022, 8:00 AM
- Left sidebar:** Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts.

Day : 4

Activites :Process Automation

- Create an automation process such that when the "ready to join" field is checked on the application form object we need to create the student record automatically with the information specified in the application form record.
- Go to Setup -> select "Process Builder" from quick find. Create a Process Builder on the "Application Form" object with a condition as "When a record change". And select "When a record is created or edited".
 - In the diamond shape box(called nodes), select the criteria which trigger the Process builder to fire. In our example, it is "When Ready to join field is checked."
 - Once the node is setup, click on the adjacent box called "Immediate action". And select create a record on the student object. Please follow the below screenshot.

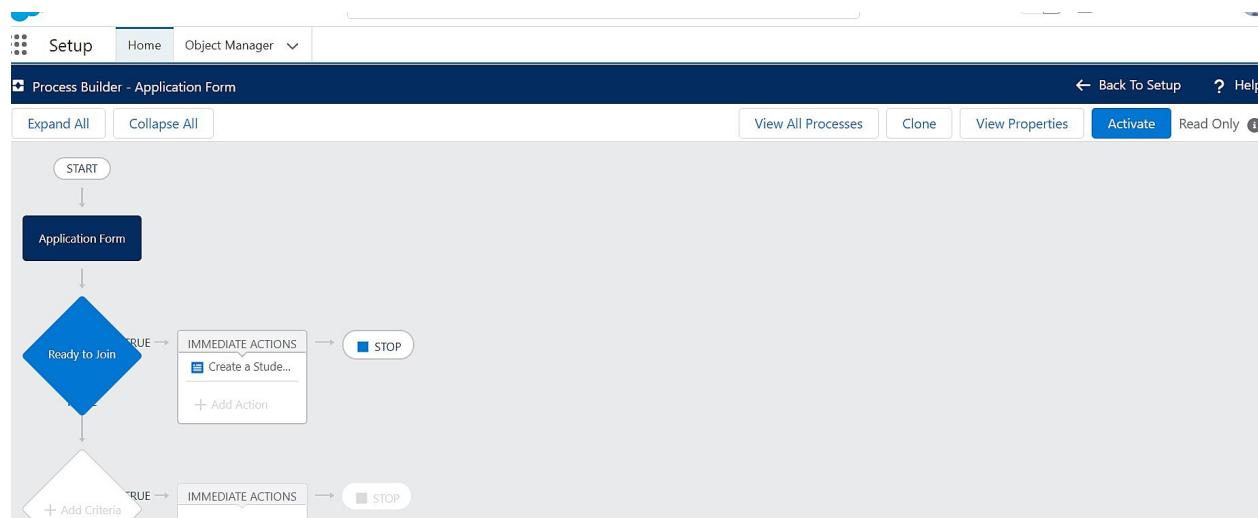


Day : 5

Topic : Create The Student Record Using Flow

Activites :

1. First deactivate the process builder which we created earlier.



2. Now search for flows and select new flow ->record triggered flow

3. For object select application form, in configure trigger select when the record is updated for entry criteria select as ready to join equals to true.

The screenshot shows the Salesforce Flow Builder interface. On the left, there's a 'Toolbox' with various flow elements like Start, Decision, and Actions. The main area shows a flow configuration for a 'Record-Triggered Flow'. The flow starts with a 'Start' node, followed by a 'Record-Triggered Flow' configuration block. This block specifies the 'Object: Application Form', 'Trigger: A record is updated', and 'Conditions: 1'. It also includes an 'Optimize for: Actions and Related...' option and a '+ Add Scheduled Paths (Optional)' button. Below this is a 'Run Immediately' node with a plus sign icon, followed by an 'End' node represented by a red circle with a white square.

4. Now create a variable named student in the resource section.

New Resource

* Resource Type
Variable

* API Name
studentvar

Description

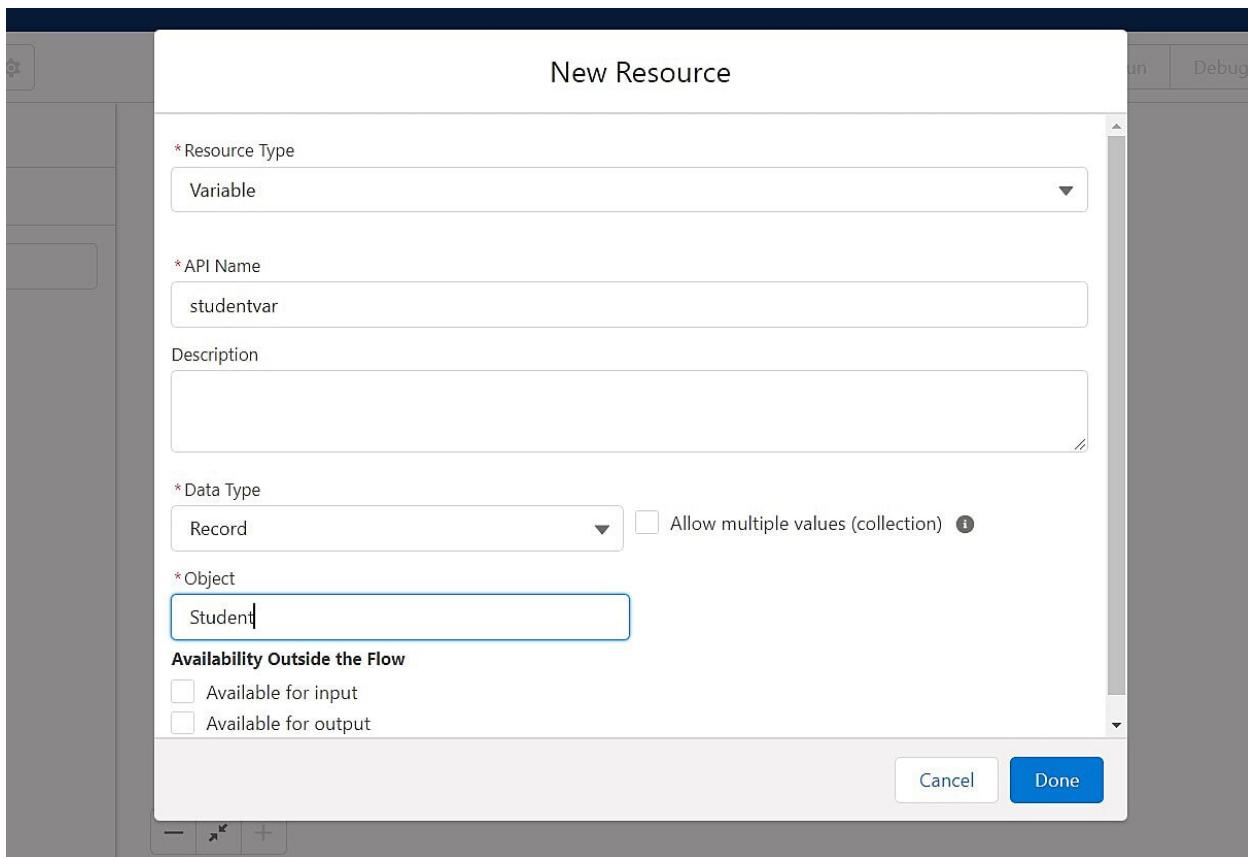
* Data Type
Record Allow multiple values (collection) ?

* Object
Student

Availability Outside the Flow

Available for input
 Available for output

Cancel Done



5. Now add the assignment as follows.

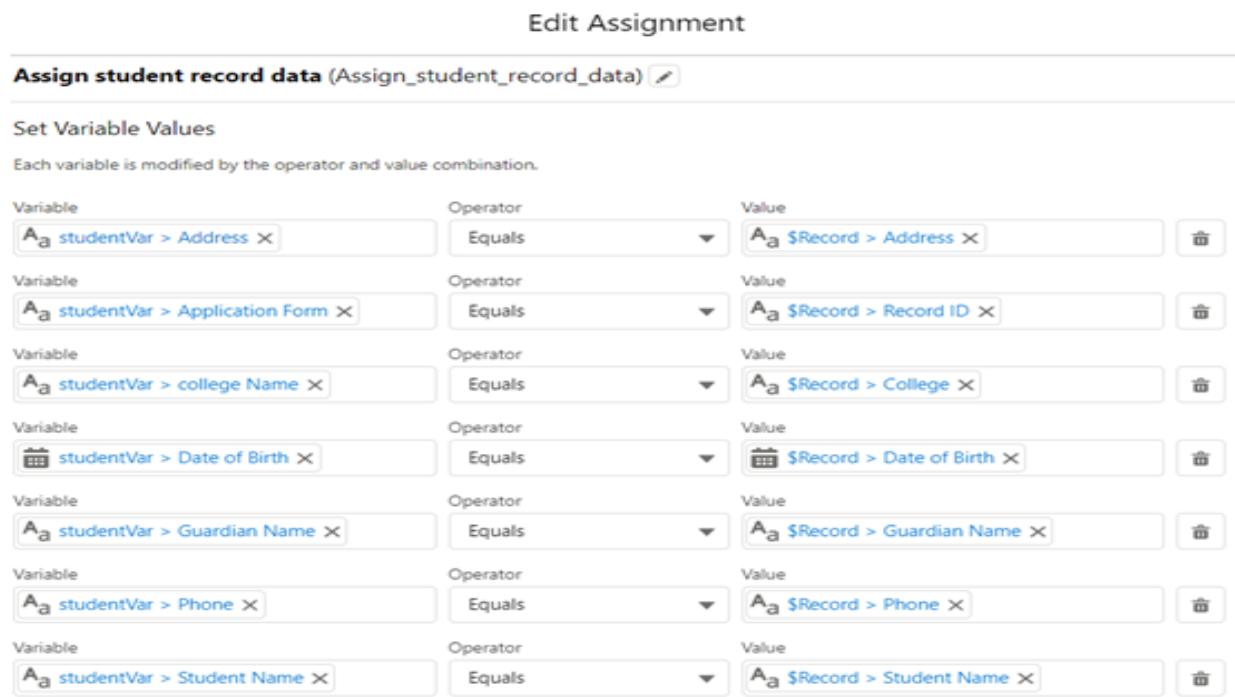
Edit Assignment

Assign student record data (Assign_student_record_data) ?

Set Variable Values

Each variable is modified by the operator and value combination.

Variable	Operator	Value
A_a studentVar > Address	Equals	A_a \$Record > Address
A_a studentVar > Application Form	Equals	A_a \$Record > Record ID
A_a studentVar > college Name	Equals	A_a \$Record > College
A_a studentVar > Date of Birth	Equals	A_a \$Record > Date of Birth
A_a studentVar > Guardian Name	Equals	A_a \$Record > Guardian Name
A_a studentVar > Phone	Equals	A_a \$Record > Phone
A_a studentVar > Student Name	Equals	A_a \$Record > Student Name



Inbox (360) | Student Dev... | SI-7357-16 | Automation | Recently Vi... | Process Bu... | Picklist Valu... | Home | Sal... | Flow Builder | WhatsApp

vasireddyvenkatadriinsti20-dev-ed.lightning.force.com/builder_platform_interaction/flowBuilder.app

Flow Builder

New Assignment

Each variable is modified by the operator and value combination.

Variable	Operator	Value
A _a studentvar > Address	Equals	A _a \$Record > Address
A _a studentvar > Application	Equals	A _a \$Record > Record ID
A _a studentvar > College Name	Equals	A _a \$Record > College
A _a studentvar > Date Of Birth	Equals	A _a \$Record > Date of Birth
A _a studentvar > Guardian Name	Equals	A _a \$Record > Guardian Name
A _a studentvar > Phone	Equals	A _a \$Record > Phone

Cancel Done

6. Now add create records.

vasireddyvenkatadriinsti20-dev-ed.lightning.force.com/builder_platform_interaction/flowBuilder.app?flowId=3015j000000YVfAAO

Flow Builder | Application form record Trigger flow - V1

Select Elements | Run | Debug | Deactivate | Save As | Save

Toolbox

Manager

Search this flow...

New Resource

RESOURCES

Record (Single) Variables (1)

(x) studentvar

ELEMENTS

Assignments (1)

Assign_student_record_data

Create Records (1)

Create_student_record

Run Immediately

Record-Triggered Flow

```

graph TD
    Start((Start)) --> Run[Run Immediately]
    Run --> Assign[Assign student record  
data  
Assignment]
    Assign --> Create[Create student record  
Create Records]
    Create --> End((End))
  
```

Auto-Layout (Beta) Version 1: Active—Last modified 7 minutes ago

Day : 6

Topic : Batch Apex

Activites : (1) Create A Batchapex For Application Form

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

```
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 } );
    }
}
```

```

1 Public class ApplicationBatchTest implements Database.Batchable<sObject> {
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 ApplicationForm__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   }
30 }

```

(2). Create A Schedular Class

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

public class applicationschedule implements Schedulable{

 public void execute(SchedulableContext sc){

 ApplicationBatchTest abt = new ApplicationBatchTest();

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

}

}

```

1 public class applicationschedule implements Schedulable{
2     public void execute(SchedulableContext sc){
3         ApplicationBatchTest abt = new ApplicationBatchTest();
4         Database.executeBatch(abt, 400); // 200 to 2000
5     }
6 }

```

← → C vasireddyvenkatadriinstit20-dev-ed.lightning.force.com/lightning/setup/ApexClasses/home Search Setup  Home Object Manager

Apex Classes

Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.

Percent of Apex Used: 0.02%
You are currently using 1,476 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes Triggers defined in your organization.

[Estimate your organization's code coverage](#) [Compile all classes](#)

View: All [Create New View](#)

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By
Edit Del Security	ApplicationBatchTest		53.0	Active	1,228	Venkateswararao Vissarapu, 1/11/2022, 2:21 AM
Edit Del Security	applicationschedule		53.0	Active	221	Venkateswararao Vissarapu, 1/11/2022, 2:25 AM
Edit Del Security	MyBatchClass		53.0	Active	30	Venkateswararao Vissarapu, 1/11/2022, 1:49 AM

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T

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

From setup search for apex class and click on schedule jobs and fill the details as per your requirements.

Setup Home Object Manager

Schedule Apex

Schedule an Apex class that implements the 'Schedulable' interface to be automatically executed on a weekly or monthly interval.

Schedule Apex Execution

Job Name: Application Form Job
 Apex Class: applicationschedule

Frequency: Weekly (selected)
 Recurs every week on:
 Sunday
 Monday
 Tuesday
 Wednesday
 Thursday
 Saturday

Start: 1/11/2022 [1/11/2022]
 End: 12/3/2022 [1/11/2022]
 Preferred Start Time: 7:00 PM

Exact start time will depend on job queue activity.

[Save](#) [Cancel](#)

The screenshot shows the Salesforce Setup interface with the 'Apex' search term entered in the global search bar. The left sidebar is expanded, showing categories like Email, Custom Code, Test Execution, Environments, and Jobs, with 'Apex Jobs' selected. The main content area is titled 'Apex Jobs' and displays a table of scheduled Apex jobs. The table has columns for Action, Submitted Date, Job Type, Status, Status Detail, Total Batches, Batches Processed, Failures, Submitted By, Completion Date, Apex Class, Apex Method, and Apex Job ID. One job is listed:

Action	Submitted Date	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class	Apex Method	Apex Job ID
	1/11/2022, 2:36 AM	Scheduled Apex	Queued		0	0	0	Vissaraju Venkateswararao		applicationschedule		7075 00000e8pjf

Help for this Page ⓘ