

CREATION OF AN APPLICATION FOR SCHOOL MANAGEMENT –(ADMIN)

PROJECT REPORT

INTRODUCTION

CREATING DEVELOPER ORG

Creating a developer org in salesforce.

1.Go to developer.salesforce.com

2.Click on sign up

3.On the sign up form, enter the following details

a. First name & Last name-Bharath & Rayee

b. Email

c. Role-Developer

d.company – GAYATRI DEGREE COLLEGE

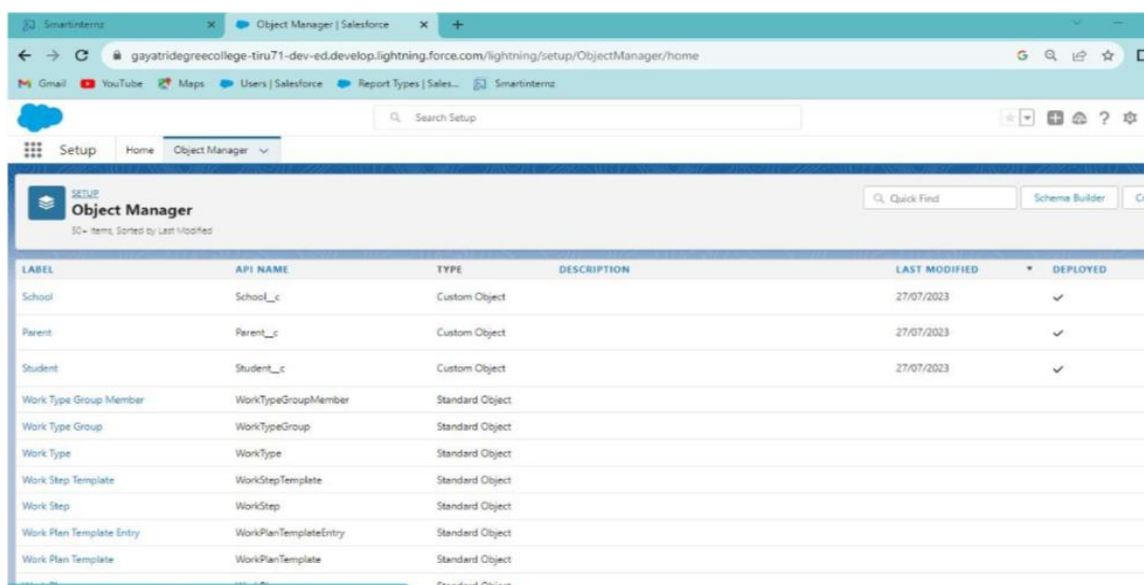
e. Country – India

f. Postal Code – 517501

g. Username – bharathrayee66@gdctirupati.com

Objects

I create three custom in objects manager school ,student, parents



The screenshot shows the Salesforce Object Manager interface. The browser address bar indicates the URL: gayatridegreecollege-tiru71-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home. The page title is "Object Manager" with a subtitle "30+ Items, Sorted by Last Modified". A search bar and a "Schema Builder" button are visible. The main table lists various objects with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. Three custom objects are highlighted: School, Parent, and Student.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
School	School__c	Custom Object		27/07/2023	✓
Parent	Parent__c	Custom Object		27/07/2023	✓
Student	Student__c	Custom Object		27/07/2023	✓
Work Type Group Member	WorkTypeGroupMember	Standard Object			
Work Type Group	WorkTypeGroup	Standard Object			
Work Type	WorkType	Standard Object			
Work Step Template	WorkStepTemplate	Standard Object			
Work Step	WorkStep	Standard Object			
Work Plan Template Entry	WorkPlanTemplateEntry	Standard Object			
Work Plan Template	WorkPlanTemplate	Standard Object			
Activity Plan Template	ActivityPlanTemplate	Standard Object			

I create first one school

The screenshot shows the Salesforce Setup interface for the 'School' object. The browser address bar indicates the URL: `gayatridgecollege-tiru52-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115J00000238MP/Details/view`. The page title is 'School'. The left sidebar contains a 'Details' menu with 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, List View Button Layout, and Restriction Rules. The main content area is titled 'Details' and contains the following fields:

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

Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

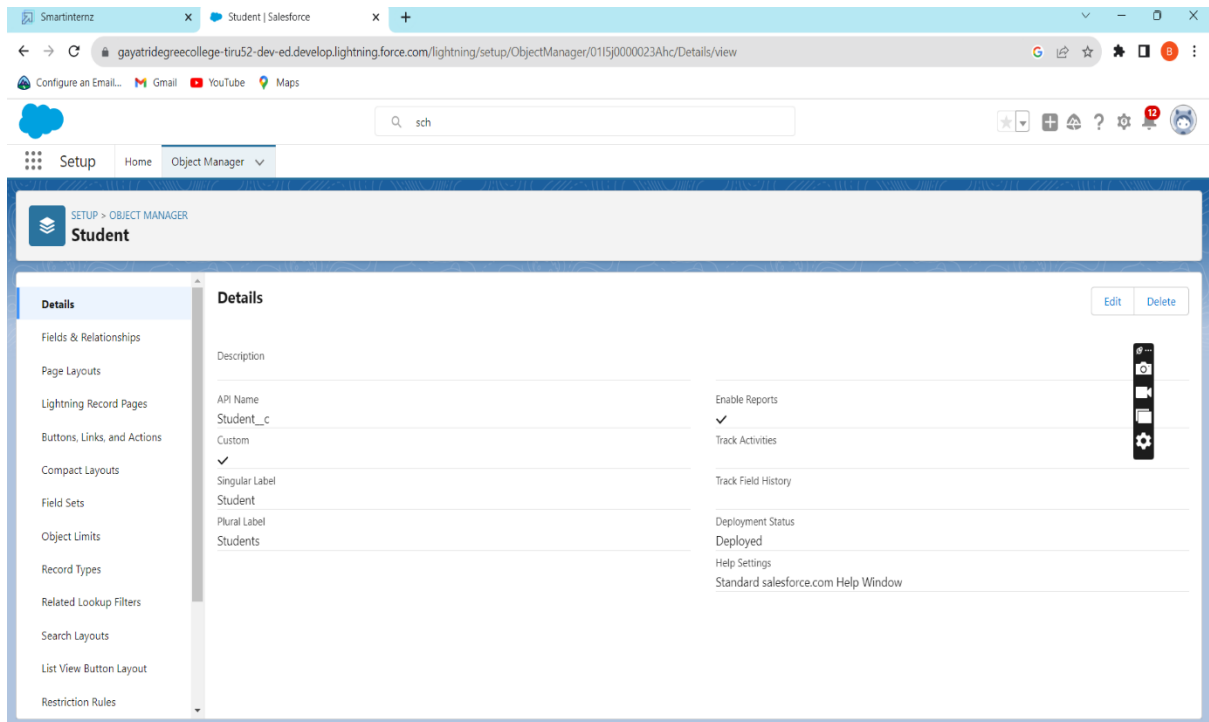
I create second one parent

The screenshot shows the Salesforce Setup interface for the 'Parent' object. The browser address bar indicates the URL: `gayatridgecollege-tiru52-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/0115J0000023AHm/Details/view`. The page title is 'Parent'. The left sidebar contains a 'Details' menu with 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, List View Button Layout, and Restriction Rules. The main content area is titled 'Details' and contains the following fields:

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

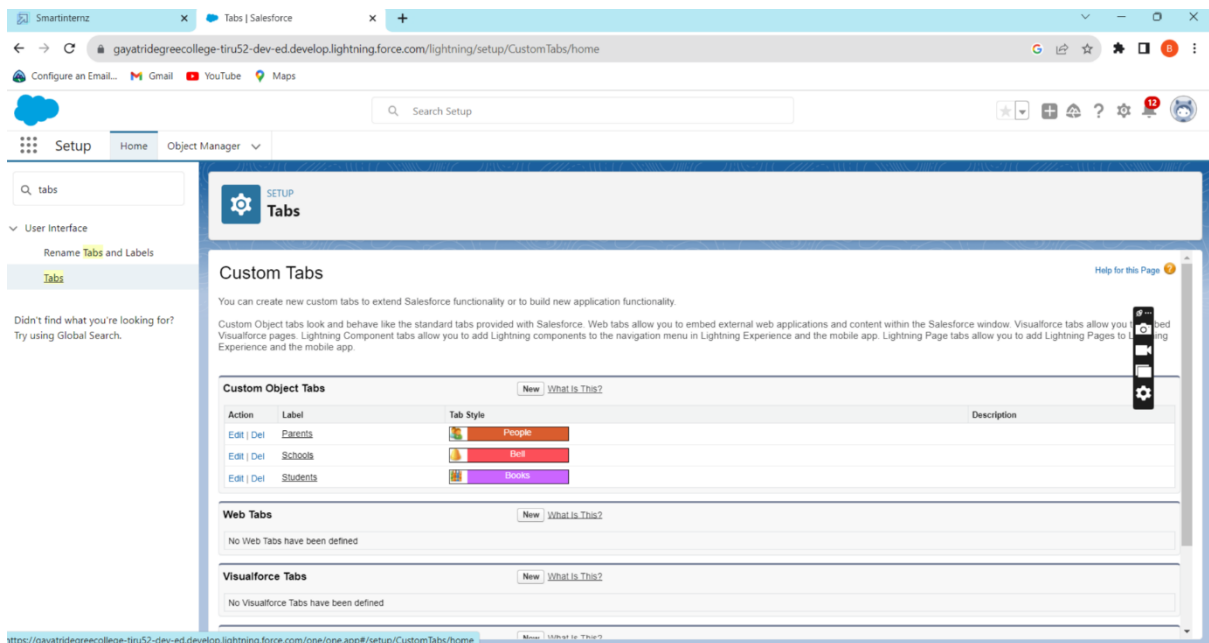
Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

I create third one student



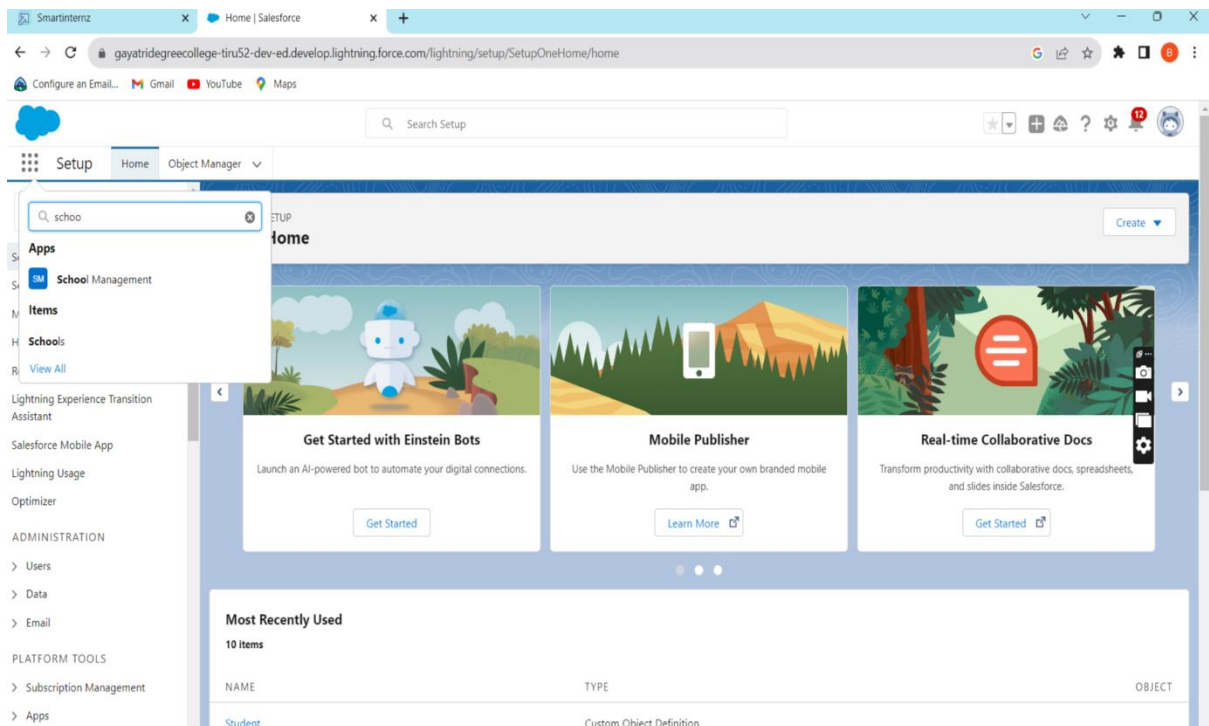
Tabs

In these tabs create three tabs School, Parents, Student



Lightening App

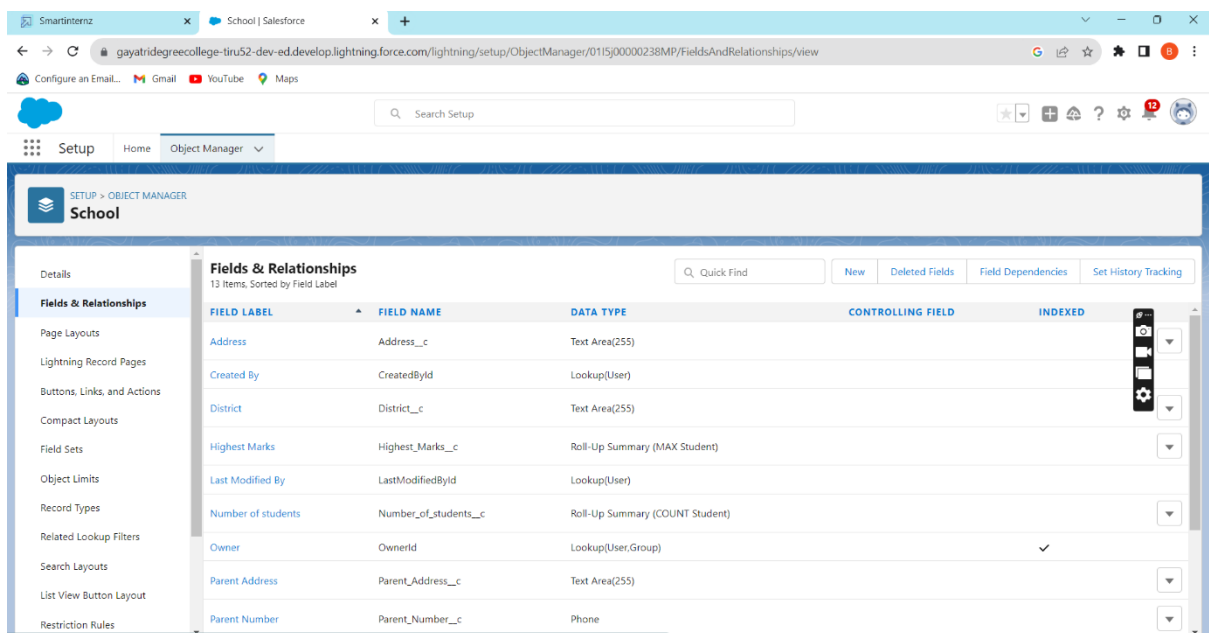
In these lightening app using the school management app



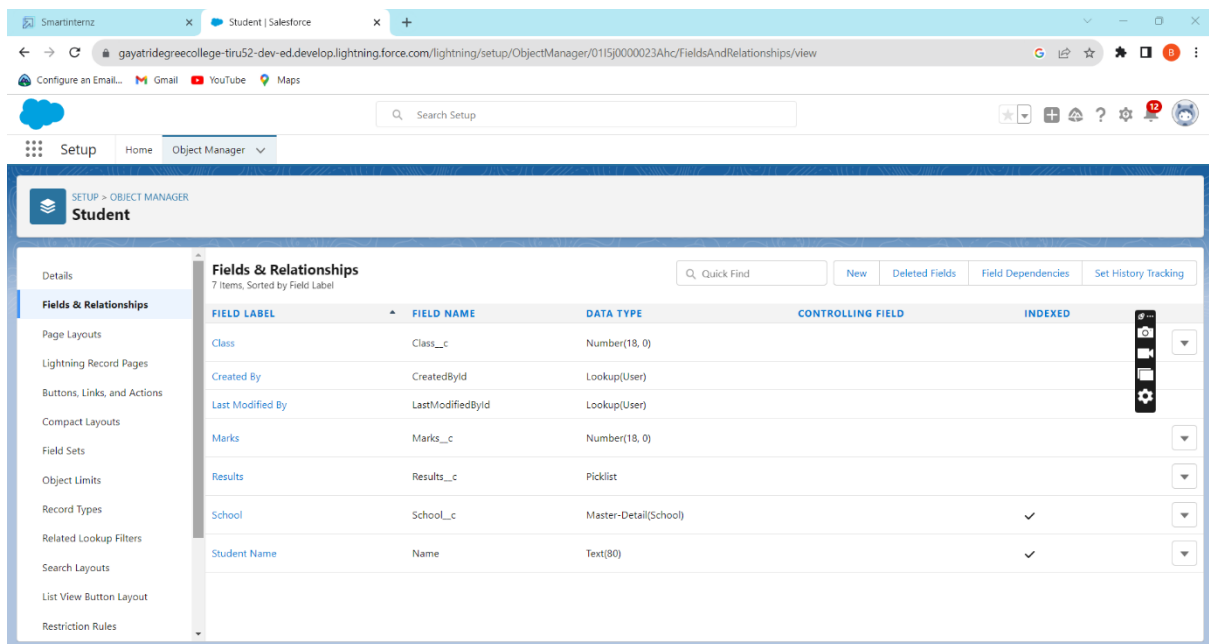
Fields And Relationship

In these fields and relationship creation of fields for three object school, school, student, parents

In these first one creation for fields the school object



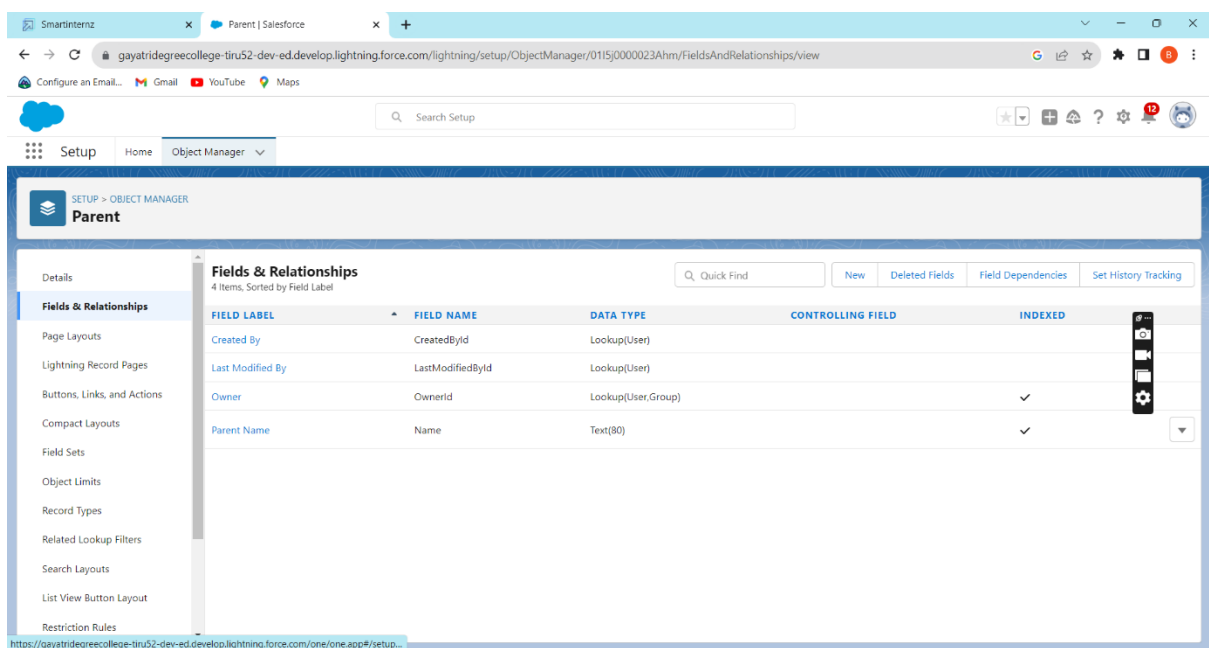
In these second one creation for the student object



The screenshot shows the Salesforce Setup interface for the 'Student' object. The left sidebar contains a navigation menu with options like 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, List View Button Layout, and Restriction Rules. The main content area is titled 'Fields & Relationships' and shows a table of fields for the 'Student' object. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Class, Created By, Last Modified By, Marks, Results, School, and Student Name.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Class	Class__c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Marks	Marks__c	Number(18, 0)		
Results	Results__c	Picklist		
School	School__c	Master-Detail(School)		✓
Student Name	Name	Text(80)		✓

In these third one creation for the parent object

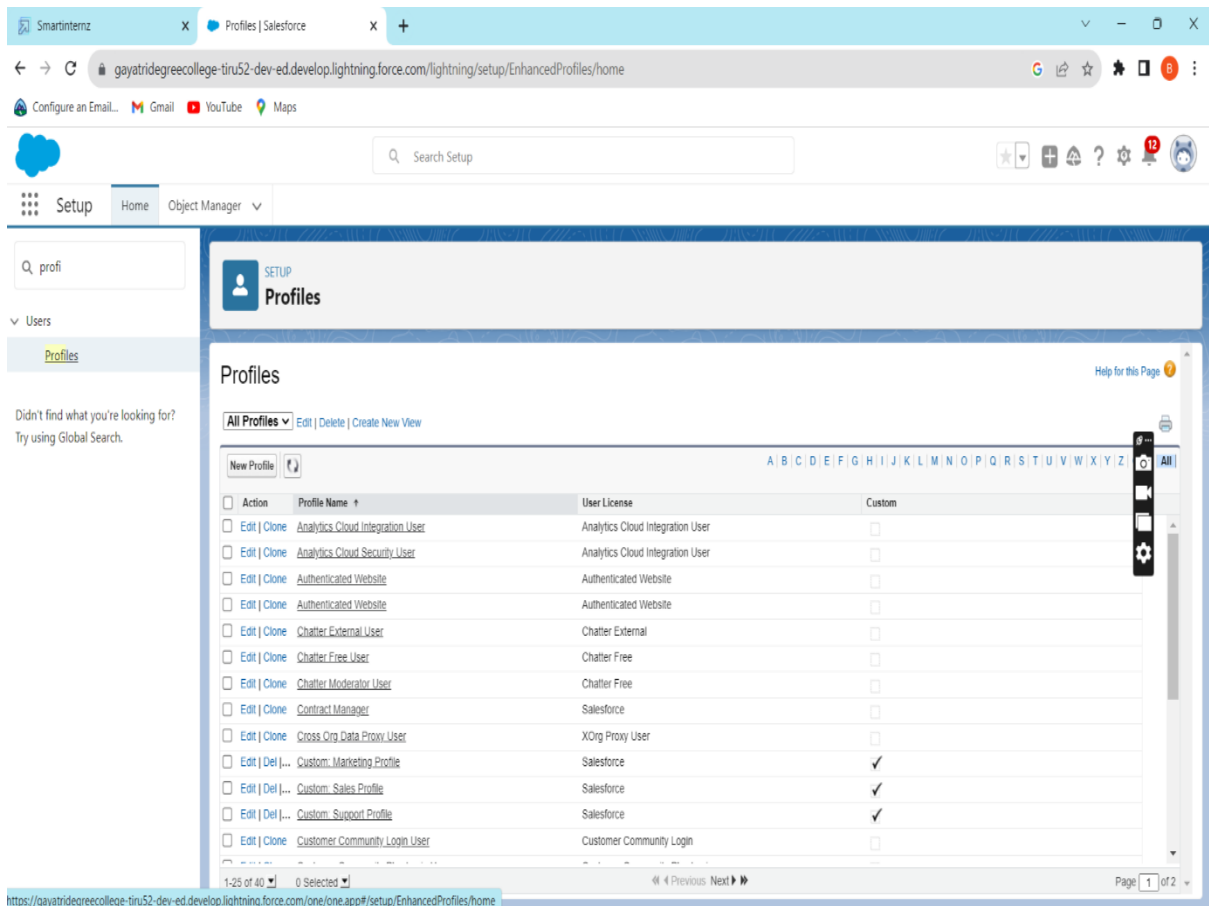


The screenshot shows the Salesforce Setup interface for the 'Parent' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, and Restriction Rules. The main content area is titled 'Fields & Relationships' and shows a table of fields for the 'Parent' object. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are Created By, Last Modified By, Owner, and Parent Name.

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)		✓
Parent Name	Name	Text(80)		✓

PROFILE

A profile group icon/ collection of settings and permissions.create for profile the school profile.

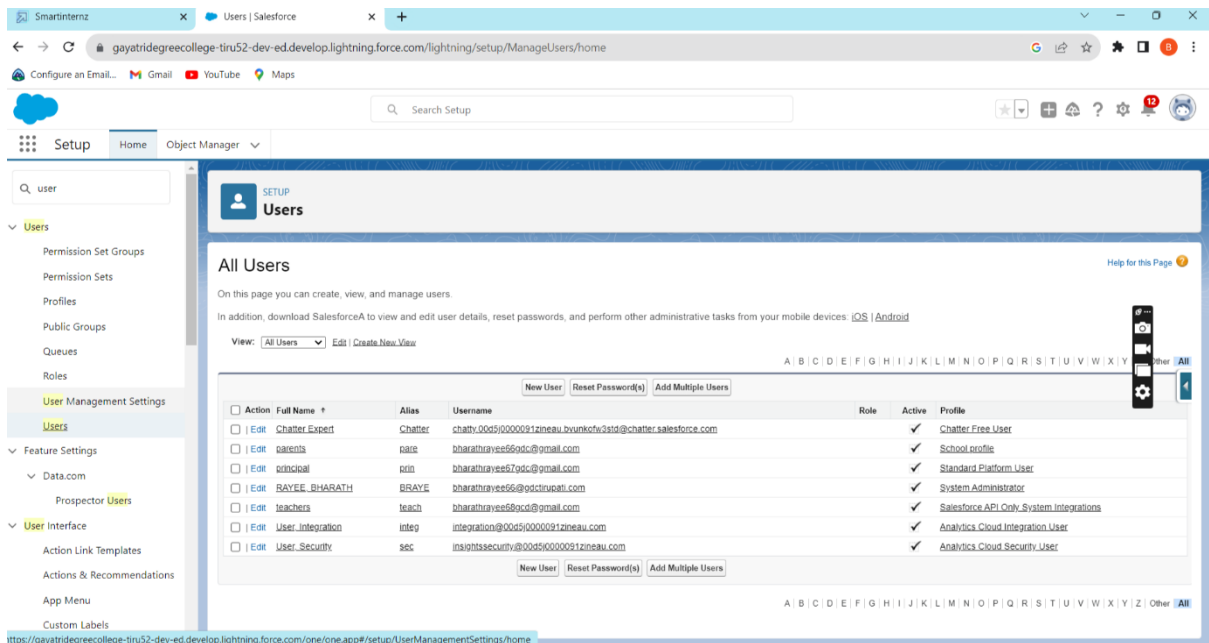


The screenshot shows the Salesforce Setup interface for the 'Profiles' section. The left sidebar contains a search bar with 'profi' and a list of navigation items: Users, Profiles, and a search result for 'profi'. The main content area is titled 'Profiles' and includes a 'New Profile' button and a table of existing profiles. The table has columns for Action, Profile Name, User License, and Custom. The profiles listed include Analytics Cloud Integration User, Analytics Cloud Security User, Authenticated Website, Chatter External User, Chatter Free User, Chatter Moderator User, Contract Manager, Cross Org Data Proxy User, Custom: Marketing Profile, Custom: Sales Profile, Custom: Support Profile, and Customer Community Login User. The 'Custom' column shows checkmarks for the Custom: Marketing Profile, Custom: Sales Profile, and Custom: Support Profile.

Action	Profile Name	User License	Custom
Edit Clone	Analytics Cloud Integration User	Analytics Cloud Integration User	<input type="checkbox"/>
Edit Clone	Analytics Cloud Security User	Analytics Cloud Security User	<input type="checkbox"/>
Edit Clone	Authenticated Website	Authenticated Website	<input type="checkbox"/>
Edit Clone	Authenticated Website	Authenticated Website	<input type="checkbox"/>
Edit Clone	Chatter External User	Chatter External	<input type="checkbox"/>
Edit Clone	Chatter Free User	Chatter Free	<input type="checkbox"/>
Edit Clone	Chatter Moderator User	Chatter Free	<input type="checkbox"/>
Edit Clone	Contract Manager	Salesforce	<input type="checkbox"/>
Edit Clone	Cross Org Data Proxy User	XOrg Proxy User	<input type="checkbox"/>
Edit Del ...	Custom: Marketing Profile	Salesforce	<input checked="" type="checkbox"/>
Edit Del ...	Custom: Sales Profile	Salesforce	<input checked="" type="checkbox"/>
Edit Del ...	Custom: Support Profile	Salesforce	<input checked="" type="checkbox"/>
Edit Clone	Customer Community Login User	Customer Community Login	<input type="checkbox"/>

User

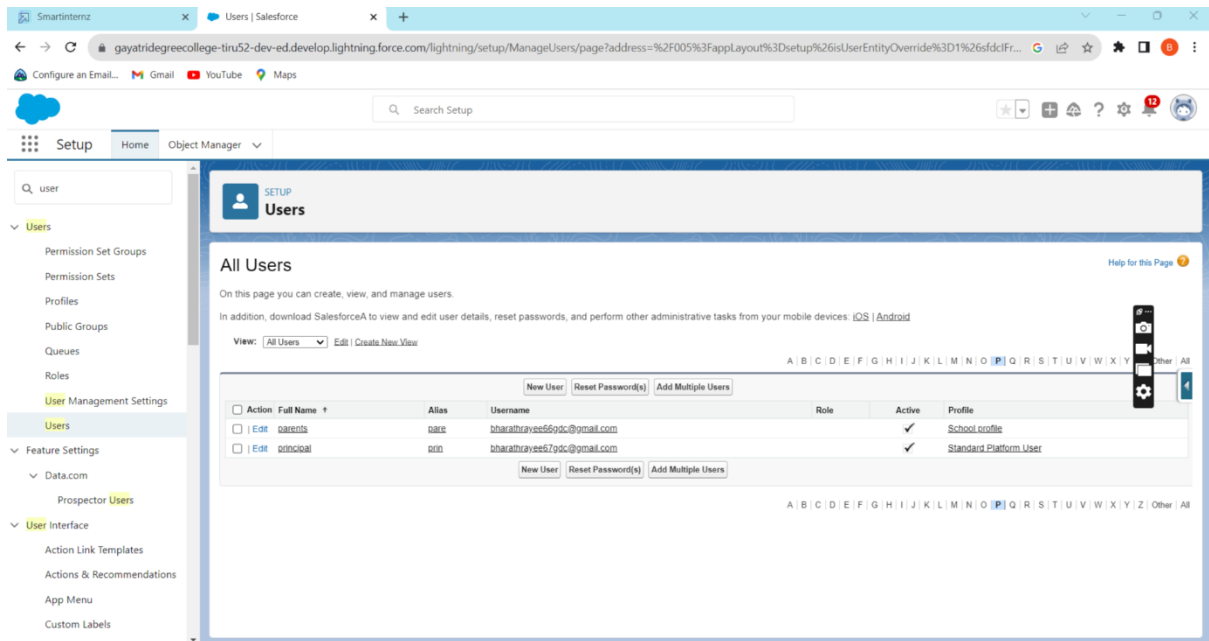
An user is create three users they are : Parents,Principal,Teacher



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a search bar with 'user' and a list of navigation items: Users, User Management Settings, Users, Feature Settings, Data.com, Prospector Users, User Interface, Action Link Templates, Actions & Recommendations, App Menu, and Custom Labels. The main content area is titled 'All Users' and includes a 'New User' button and a table of existing users. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The users listed include Chatter Expert, parents, principal, BRAYEE BHARATH, teachers, User Integration, and User Security. The 'Active' column shows checkmarks for all listed users.

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty00d5f0000091zneau@chatter.salesforce.com		<input checked="" type="checkbox"/>	Chatter Free User
Edit	parents	pare	bharathuavees69dc@gmail.com		<input checked="" type="checkbox"/>	School profile
Edit	principal	prin	bharathuavees79dc@gmail.com		<input checked="" type="checkbox"/>	Standard Platform User
Edit	BRAYEE BHARATH	BRAYEE	bharathuavees6@pctroupati.com		<input checked="" type="checkbox"/>	System Administrator
Edit	teachers	teach	bharathuavees69dc@gmail.com		<input checked="" type="checkbox"/>	Salesforce API Only System Integrations
Edit	User Integration	integ	integration@00d5f0000091zneau.com		<input checked="" type="checkbox"/>	Analytics Cloud Integration User
Edit	User Security	sec	insightssecurity@00d5f0000091zneau.com		<input checked="" type="checkbox"/>	Analytics Cloud Security User

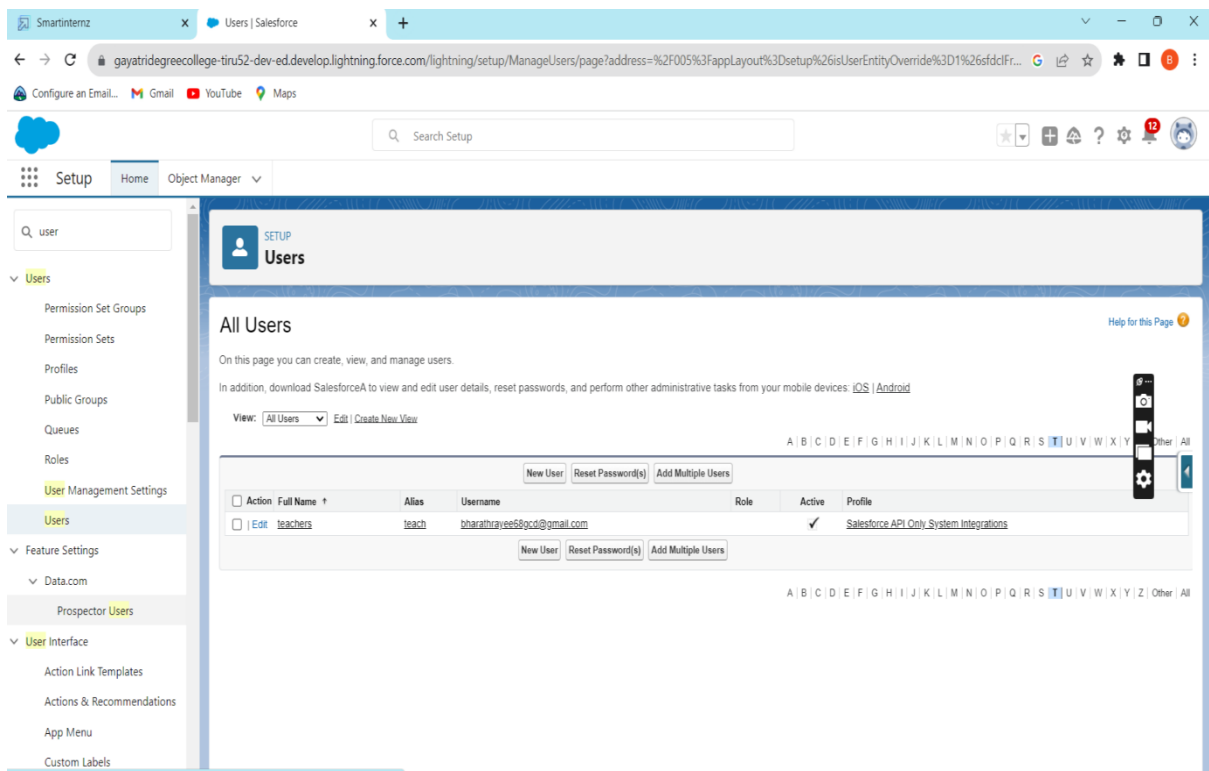
In users frist one is parent



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a navigation menu with options like 'Permission Set Groups', 'Permission Sets', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', 'Users', 'Feature Settings', 'Data.com', 'Prospector Users', and 'User Interface'. The main content area is titled 'All Users' and includes a search bar, a 'View' dropdown set to 'All Users', and buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'. Below these is a table of users:

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/>	parents	pare	bharathrayee65gdc@gmail.com		✓	School profile
<input type="checkbox"/>	principal	prin	bharathrayee67gdc@gmail.com		✓	Standard Platform User

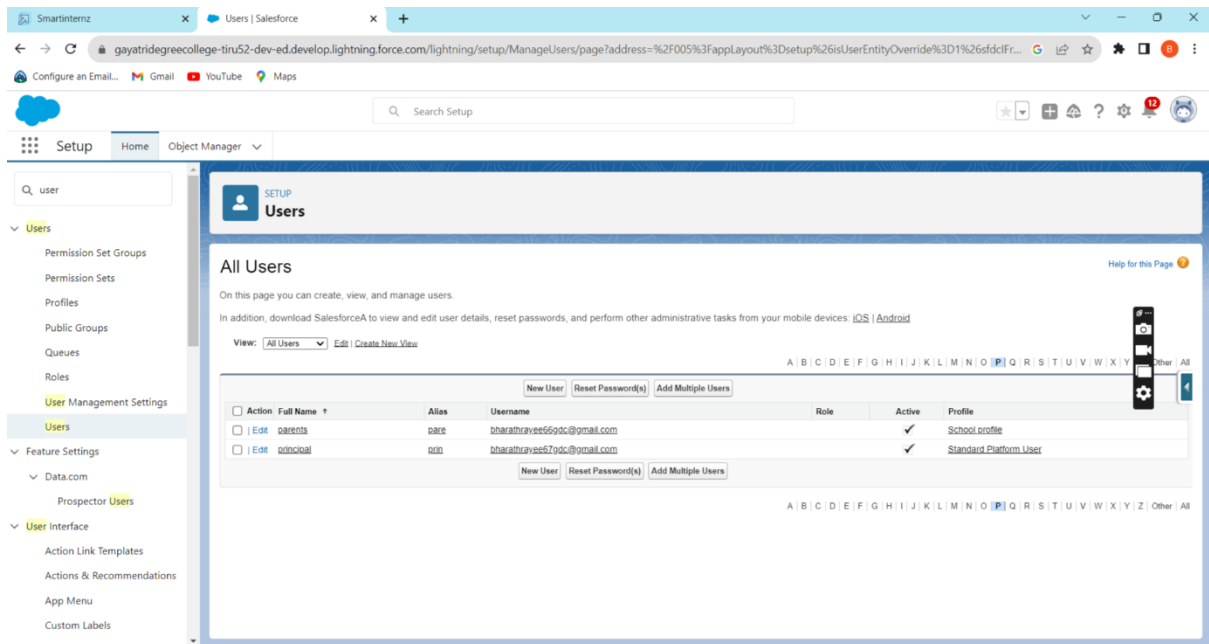
In users second one is teacher



The screenshot shows the Salesforce Setup interface for the 'Users' section, similar to the first one. The left sidebar is the same. The main content area is titled 'All Users' and includes a search bar, a 'View' dropdown set to 'All Users', and buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'. Below these is a table of users:

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/>	teachers	teach	bharathrayee68gdc@gmail.com		✓	Salesforce API Only System Integrations

In users third one is principal



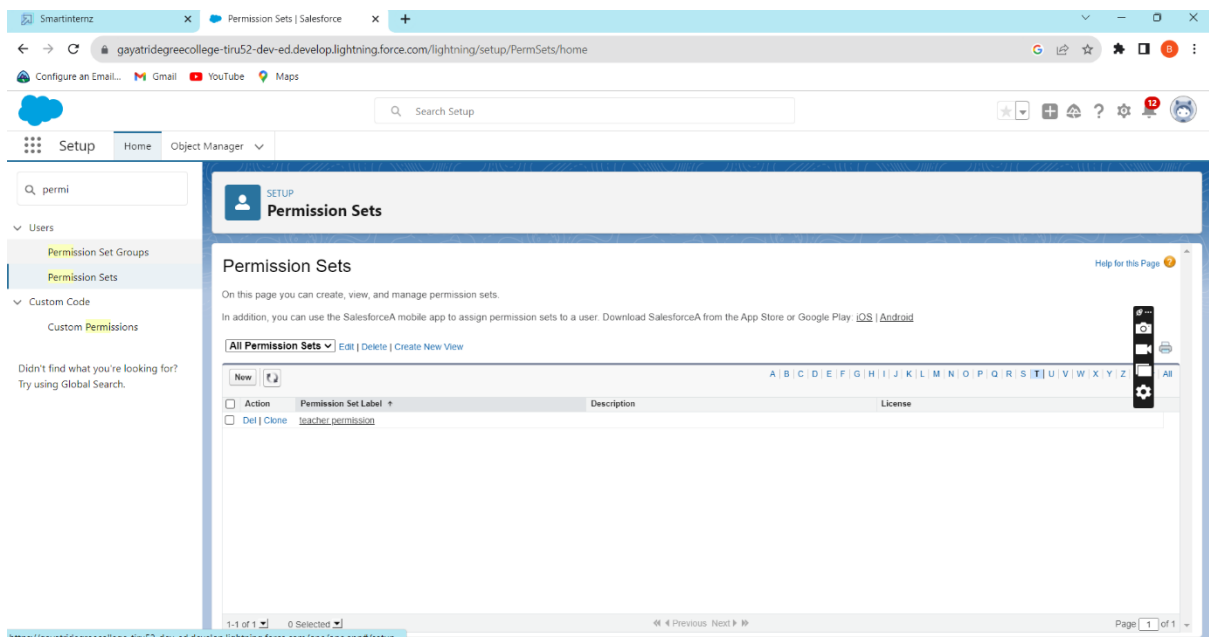
The screenshot shows the Salesforce Setup page for Users. The left sidebar contains a navigation menu with options like Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, Users, Feature Settings, Data.com, Prospector Users, User Interface, Action Link Templates, Actions & Recommendations, App Menu, and Custom Labels. The main content area is titled "All Users" and includes a search bar, a "View" dropdown set to "All Users", and a table of users. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. Two users are listed: "parents" and "principal".

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	parents	pare	bharathraivee69dc@gmail.com		✓	School profile
Edit	principal	prin	bharathraivee679dc@gmail.com		✓	Standard Platform User

Permissions sets

A permission sets is an collection of an setting and permissions they are two types :
permission set one and permission set two.

1.permission sets one create teacher permission



The screenshot shows the Salesforce Setup page for Permission Sets. The left sidebar contains a navigation menu with options like Users, Permission Set Groups, Permission Sets, Custom Code, and Custom Permissions. The main content area is titled "Permission Sets" and includes a search bar, a "View" dropdown set to "All Permission Sets", and a table of permission sets. The table has columns for Action, Permission Set Label, Description, and License. One permission set is listed: "teacher.permission".

Action	Permission Set Label	Description	License
Del Clone	teacher.permission		

2.Permission sets two create principal permission

The screenshot shows the Salesforce Setup interface. The left sidebar contains the Setup menu with options like Users, Permission Set Groups, Permission Sets, Custom Code, and Custom Permissions. The main content area is titled 'Permission Sets' and includes a search bar, a 'New' button, and a table of existing permission sets. The table has columns for Action, Permission Set Label, Description, and License. A single permission set is listed with the label 'Principal permission'.

Action	Permission Set Label	Description	License
Del Clone	Principal permission		

User Adoption

In these user adoption they are three types : create report(school),Delete report(school)

The screenshot shows the Salesforce School Management interface. The left sidebar contains the School Management menu with options like Students, Dashboards, Parents, Reports, and Schools. The main content area is titled 'Schools' and includes a search bar, a 'New' button, and a table of existing schools. The table has columns for School Name and a checkbox for selection. Two schools are listed: 'bashyam school' and 'bits the school'.

School Name	
1 <input type="checkbox"/> bashyam school	
2 <input type="checkbox"/> bits the school	

Reports

Report in salesforce is a list of record that meet a particular criterion which gives an answer to a particular question. These records are

- 1.Create report
- 2.View report