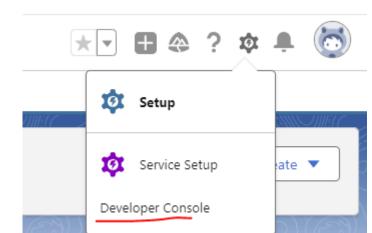
Task 5: Creating an Application in SalesForce.com using

Apex programming Language.

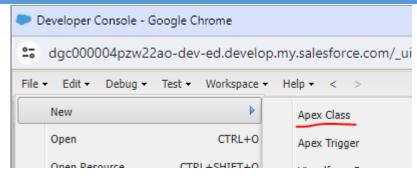


Login To Saleforce <a href="https://login.salesforce.com">https://login.salesforce.com</a>

Click on Devoloper Console

File >> New >> Apex Class

Example 1:: Addition Of Number



Please enter a name for your new Apex class NumberAddition



```
public class NumberAddition {
5
              public static Integer addNumbers(Integer num1, Integer num2) {
                 Integer sum = num1 + num2;
                 System.debug('Sum calculation: ' + num1 + ' + ' + num2 + ' = ' + sum);
8
9
                 return sum;
              }
10
              public static void main(String[] args) {
11
                 System.debug('Starting the main method.');
12
                 // Example values for num1 and num2
13
                 Integer number 1 = 5;
14
                 Integer number 2 = 10;
15
                 Integer result = addNumbers(number1, number2);
16
                 System.debug('The sum of ' + number1 + ' and ' + number2 + ' is: ' + result);
17
                 System.debug('Exiting the main method.');
18
              }
19
20
            }
            To Execute << Click on Debug >> Open Execute Anonymous Window
21
            Enter below Contents 1) Tick Open Log 2) Click on Execute
22
            NumberAddition.addNumbers(8, 15);
23
```

1

2

New Window will appear Select Debug Only Option

Execution Log						
Timestamp	Event	Details				
16:13:36:003	USER_DEBUG	[4] DEBUG	Sum calcul	ation: 8 + 15 = 2	23	
This France II	Tue autobie	Dahua Oak	Tilte -	Click horo to fi	ltor the les	
Inis Frame	Executable	Debug Only	- Filter	Click here to fi	iter the log	

1 2

3

#### Example 2: SimpleCalculator >> Create new Class file with SimpleCalculator

```
New Apex class

Please enter a name for your new Apex class

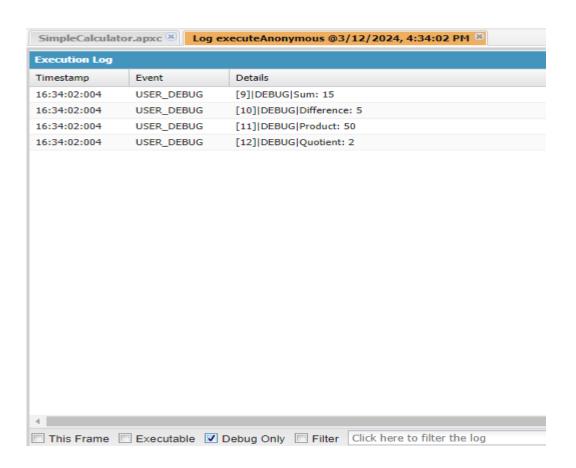
SimpleCalculator |

OK Cancel
```

```
7
```

```
public class SimpleCalculator {
               public static Integer add(Integer num1, Integer num2) {
                 return num1 + num2;
10
               }
11
12
               public static Integer subtract(Integer num1, Integer num2) {
13
14
                 return num1 - num2;
               }
15
16
17
               public static Integer multiply(Integer num1, Integer num2) {
                 return num1 * num2;
18
               }
19
20
               public static Decimal divide(Integer num1, Integer num2) {
21
                 if (num2!= 0) {
22
                   return num1 / num2;
23
                 } else {
24
                   // Handle division by zero
25
                   System.debug('Error: Division by zero.');
26
                   return null;
27
28
                 }
               }
29
```

```
2
            Apex block
            Integer operand1 = 10;
            Integer operand2 = 5;
            Integer sum = SimpleCalculator.add(operand1, operand2);
            Integer difference = SimpleCalculator.subtract(operand1, operand2);
10
            Integer product = SimpleCalculator.multiply(operand1, operand2);
            Decimal quotient = SimpleCalculator.divide(operand1, operand2);
11
            System.debug('Sum: ' + sum);
12
            System.debug('Difference: ' + difference);
13
14
            System.debug('Product: ' + product);
            System.debug('Quotient: ' + quotient);
15
```



17

18

19

}

1

Task 6: Design and develop custom Application (Mini

**Project) using Salesforce Cloud.** 

**Collage Management App Using Salesforce Cloud** 

1 2

3

Student

Staff

Records

Name

Age

course

Name

Age

Fee

Grades

Staff\_ID

BirthDate

Subject

student ID

Birth\_Date

10

11

12

13

14 15

16

17 18

19

20

21

22 23

24

25 26

27

28 29

30 31

32

**21** | Page

1 2

3

5

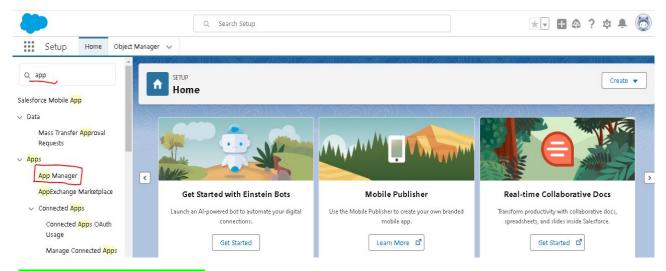
6

8

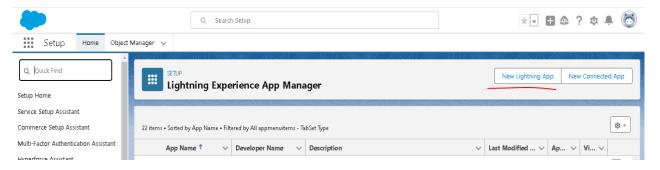
Steps-1

Login to <a href="https://login.salesforce.com">https://login.salesforce.com</a>

### **Search for App Manager**



#### 1. Click on New Lighting App



New Lightning App

#### 2.Name to your Application

··	tails & Branding  load an image and choose the highlight color for its navigation bar.
App Details	App Branding
*App Name <b>①</b> Collage Management App	Image Primary Color Hex  Value #0070D2
*Developer Name	₫ Upload
Description   Enter a description	Org Theme Options  Use the app's image and color instead of the
Continue Usage ADD Liquiding Sturmentation	View adoption and usage interior transming experience up/05/2024. 1/20 pm. Elanding V

3. Keep All app Option remain unchanged. New Lightning App **App Options** Navigation and Form Factor 0 Setup and Personalization 0 \*Navigation Style Setup Experience Standard navigation Setup (full set of Setup options) O Console navigation O Service Setup \*Supported Form Factors App Personalization Settings Desktop and phone Disable end user personalization of nav items in O Desktop O Phone Disable temporary tabs for items outside of this Use Omni-Channel sidebar 0 Back Add Utility Items Rich Text **New Lightning App** Q Search. Lightning Experience on a desktop. List View Macros # My Appointments **₽** Notes Open CTI Softphone Quip Associated Documents Quip Notifications Recent Items Report Chart Rich Text \_ () \_\_\_ **&** To Do Lis
Rich Text

Visualfor Display HTML-formatted rich text. Supported form factors: desktop and phone the utility bar for this app, add a utility item. Back New Lightning App

**▼** тапраск × Panel Width 0 340 0 Panel Height 480 Start automatically Component Properties ≡ ¹≣ This is My First Application Project Back

5

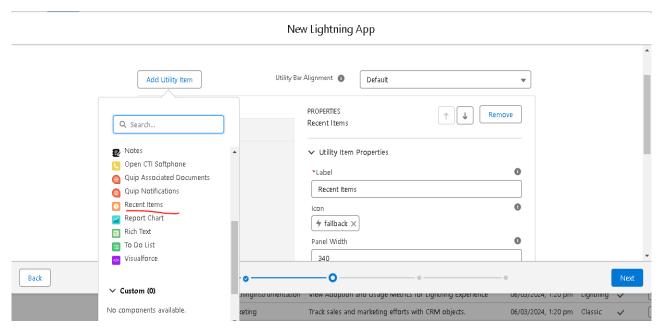
1

2

3

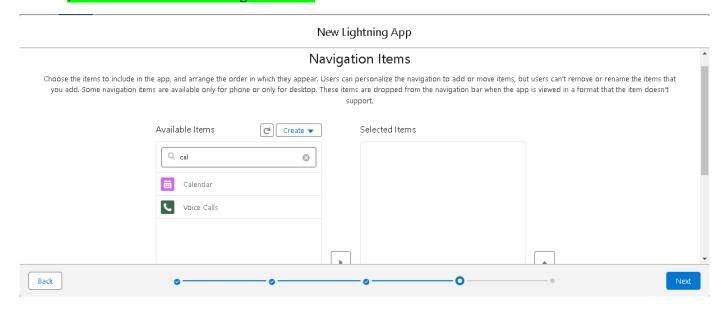
### **Recent Trends in Cloud Computing**

### 5. Add Utility Items Recent Items



6. Click Next

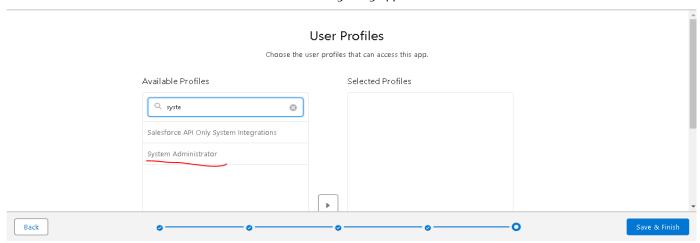
#### 7. Select Callender In navigation Item



24 | Page

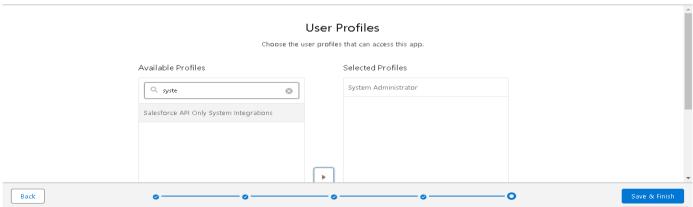
Select System Administrator as Profile

New Lightning App



Save & Finish

New Lightning App

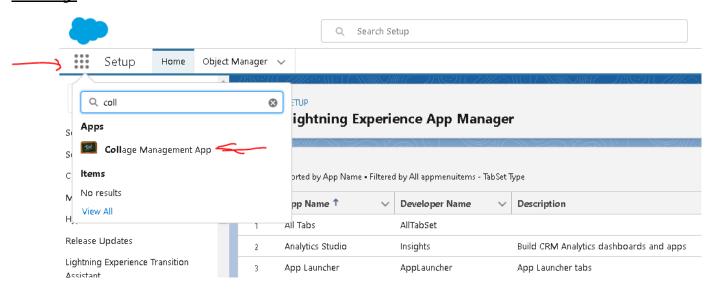


1 2

3

Step2

# Go to App Launcher and Search Collage Management app and open in New Tab by clicking.



- 7 Now Need to add Objects
- 8 Add three Custom Objects (Student, Staff, Records)



9

### Click Save and New and add Staff and Record with same way

\_\_\_

1

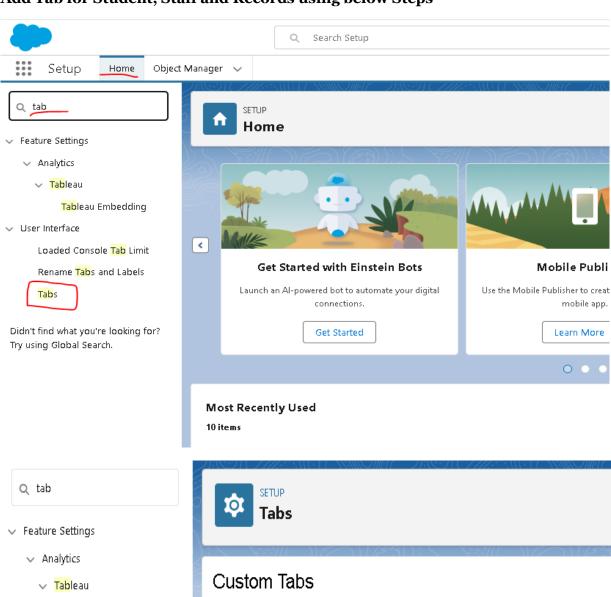
2

#### Step3

1

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#### Add Tab for Student, Staff and Records using below Steps



Q tab

Feature Settings

Analytics

Tableau

Tableau Embedding

User Interface

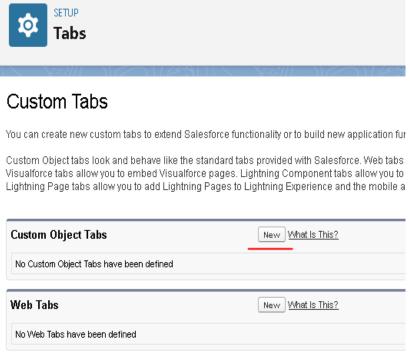
Loaded Console Tab Limit

Rename Tabs and Labels

Tabs

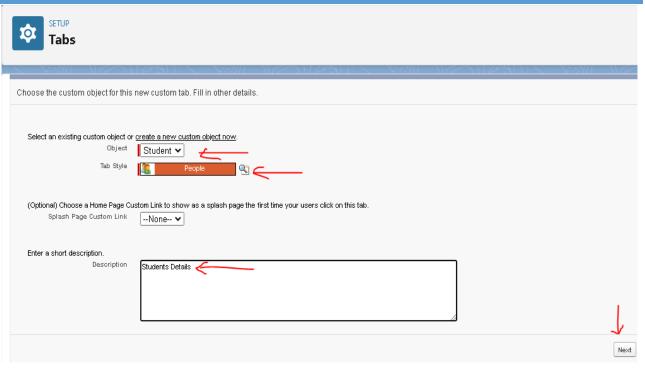
Didn't find what you're looking for?

Try using Global Search.



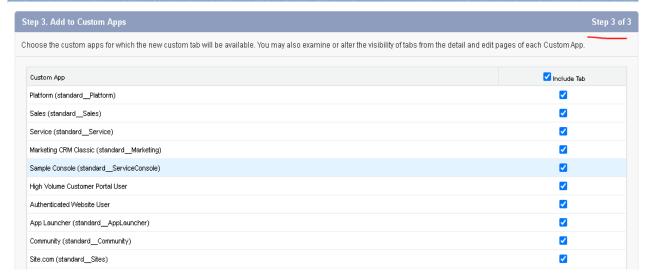
4

3



Tabs					
New Custom Object Tab	Help for this Page 🕢				
Step 2. Add to Profiles	Step 2 of 3				
Choose the user profiles for which the new custom tab will be available. You may also examine or alter the visibility of tabs from the detail and edit pages of each profile.					
Apply one tab visibility to all profiles Default On     Apply a different tab visibility for each profile					
Profile	Tab Visibility				
Analytics Cloud Integration User	Default On 🕶				
Analytics Cloud Security User	Default On V				
Authenticated Website	Default On V				
Authenticated Website	Default On 🕶				
B2B Reordering Portal Buyer Profile	Default On 🗸				
Contract Manager	Default On 🗸				
	0.00				

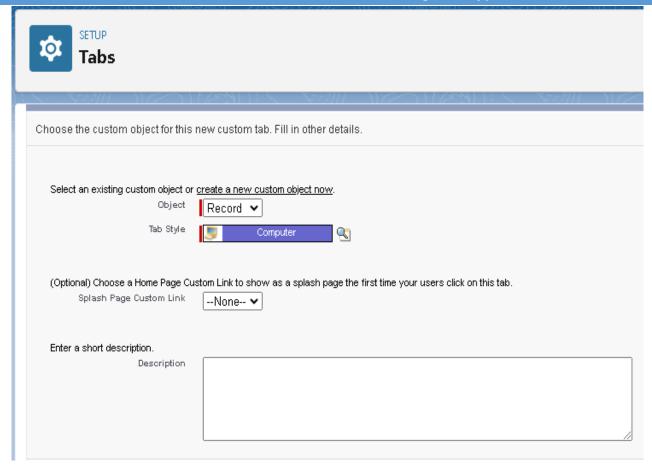




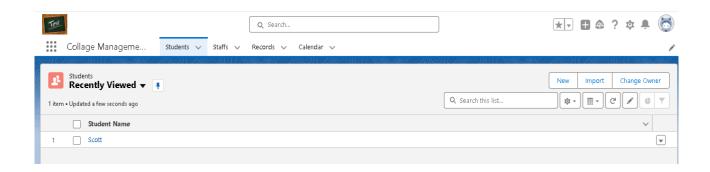
#### **Click on the Save**

#### Add Staff and Records in same way.





#### Refresh Collage Management Tab Browser



#### Step 4

1

2

3

#### Add Fields and Relationship >> Go to Object Manager >>

\*- 🖶 😩 ? 🌣 🗘 🦺 Q Search Setup Setup Object Manager Q Quick Find Schema Builder Object Manager 199 Items, Sorted by Label snipmenutem Statidard Object Skill Requirement SkillRequirement Standard Object Social Persona SocialPersona Standard Object • Staff Staff\_c Custom Object 13/03/2024 WebStore Standard Object Store Buyer Group WebStoreBuyerGroup Standard Object Store Catalog WebStoreCatalog Standard Object Student Custom Object 13/03/2024 Student\_c Edit TimeSlot Standard Object Time Slot Home Object Manager V Setup SETUP > OBJECT MANAGER Student Fields & Relationships Q Quick Find Set History Tracking Details Fields & Relationships CONTROLLING FIELD FIELD LABEL FIELD NAME DATA TYPE INDEXED Page Layouts Created By CreatedByld Lookup(User) Lightning Record Pages Last Modified By LastModifiedByld Lookup(User) Buttons, Links, and Actions Lookup(User,Group) OwnerId Compact Layouts Field Sets Object Limits Record Types

6

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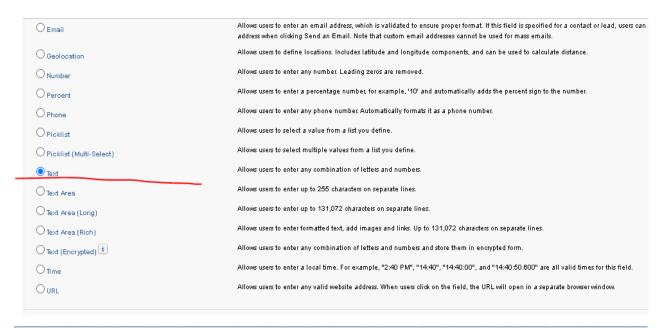
11 12

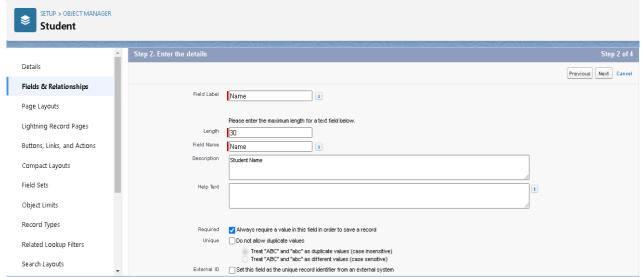
- Select the Text for Student Name,
- 2 Number for StudentID,
- Number for Age,

1

6

- Date for birthdate,
  - PickUp List for Course



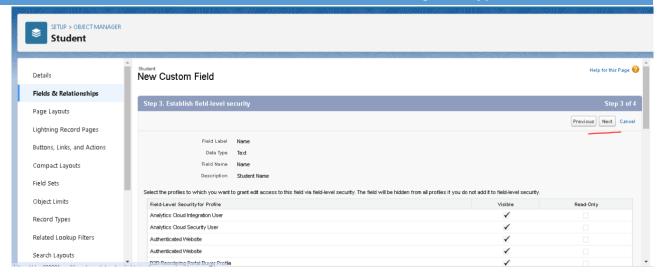


33 | Page

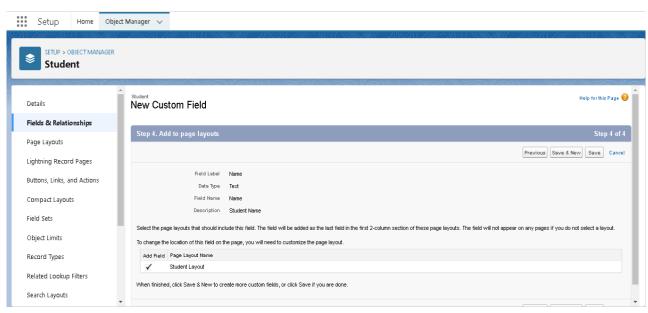
8

10

11



<u>Save</u>



Add for Staff and Records As well.

<u>Staff</u>

3

8

9

11

12

13

Name (Text)

Staff\_ID ( Number)

\_\_\_\_\_Age (Number)

BirthDate (Date)

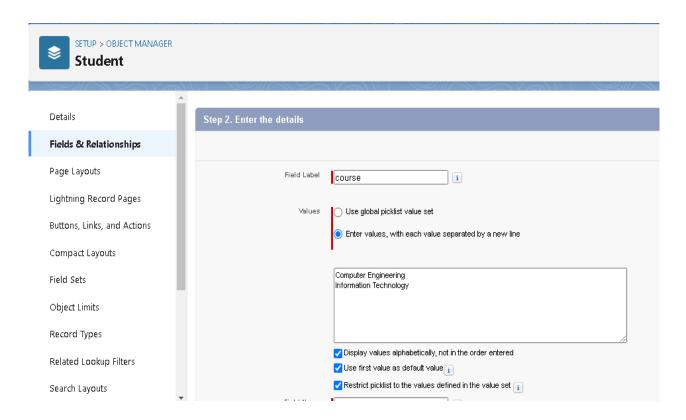
10 <u>Subject ( Pickup List)</u>

<u>Records</u>

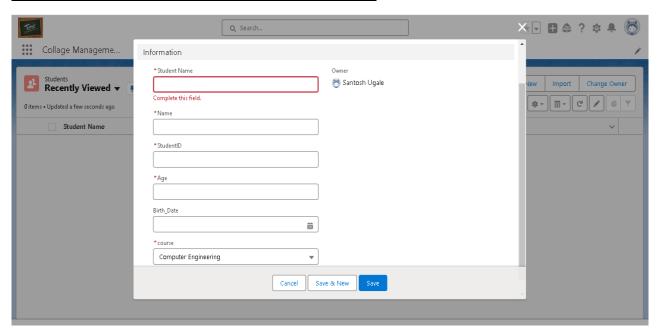
<u> Fee ( Number)</u>

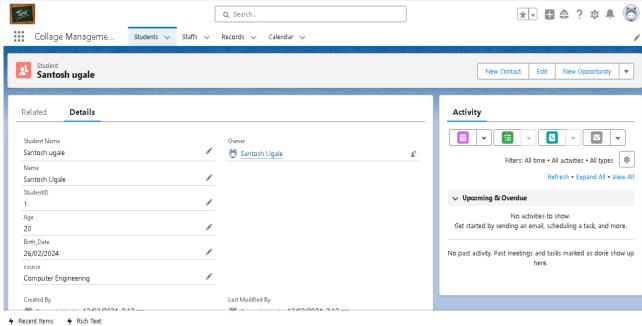
Grades (Pickup List)

14 For Pickup List



Step5 Go to Collage Nanomagnet App and add records.





1 \* Recent