



**Sridevi Arts & Science  
College Ponneri**

**PROJECT NAME: EDUCATIONAL ORGANISATION USING  
SERVICENOW**

**TEAM ID: NM2025TMID19637**

**A PROJECT REPORT**

**Submitted by**

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**COMPUTER APPLICATIONS**

**SRIDEVI ARTS AND SCIENCE COLLEGE  
KRISHNAPURAM, PONNERI-601 204**

**SEPTEMBER-2025**

# Educational Organisation Using ServiceNow

## Project Description:

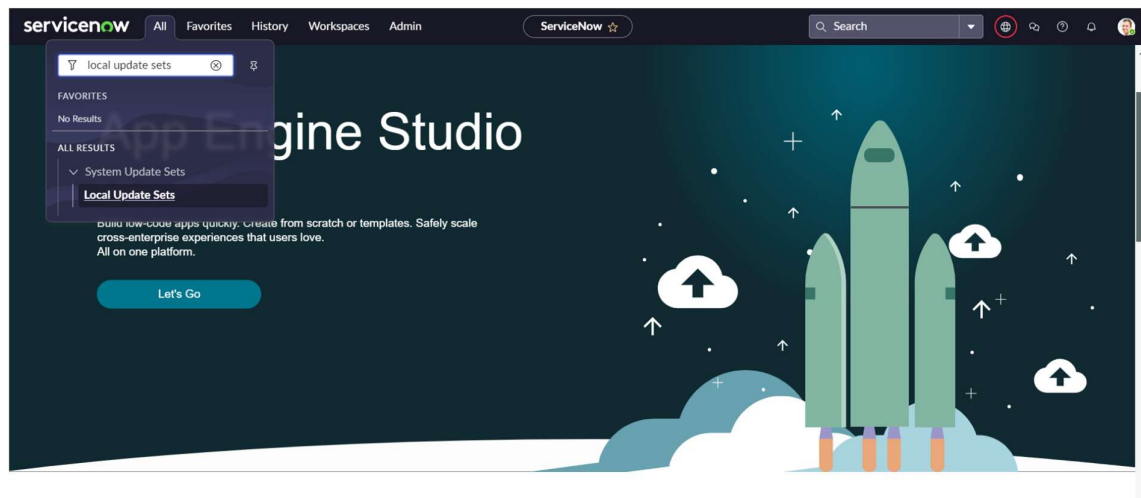
The Educational Management System is a comprehensive platform designed to streamline administrative tasks within educational institutions. It facilitates efficient management of student and teacher data, simplifies the admission process, and provides tools for monitoring student progress.

## Milestone 1: Setting up ServiceNow Instance

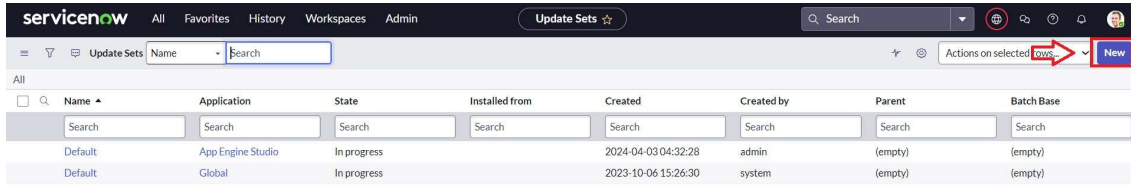
1. Sign up for a developer account on the ServiceNow Developer site “<https://developer.servicenow.com>”.
2. Once logged in, navigate to the "Personal Developer Instance" section.
3. Click on "Request Instance" to create a new ServiceNow instance.
4. Fill out the required information and submit the request.
5. You'll receive an email with the instance details once it's ready.
6. Log in to your ServiceNow instance using the provided credentials.
7. Now you will navigate to the ServiceNow.

## Milestone 2: Creating an Update Set

1. Click on All >> Local update sets .

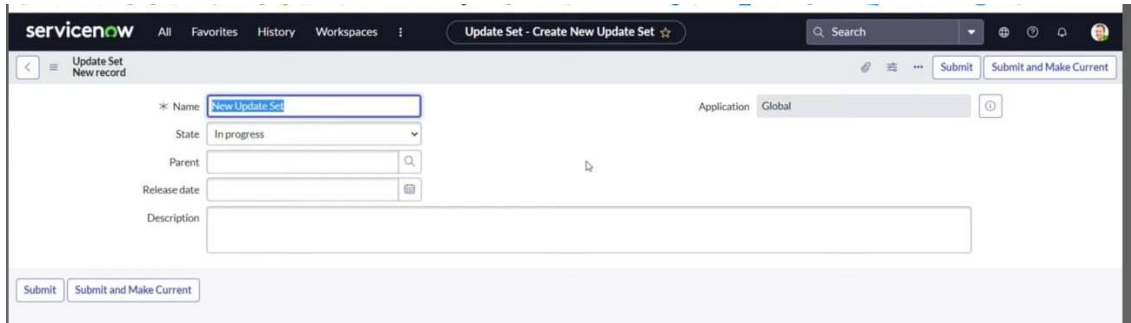


2. Click on new



Name	Application	State	Installed from	Created	Created by	Parent	Batch Base
Default	App Engine Studio	In progress		2024-04-03 04:32:28	admin	(empty)	(empty)
Default	Global	In progress		2023-10-06 15:26:30	system	(empty)	(empty)

3. Enter the Details Name: Educational Organisation >> Click on Submit and make Current.



Update Set - Create New Update Set

Name:

Application:

State:

Parent:

Release date:

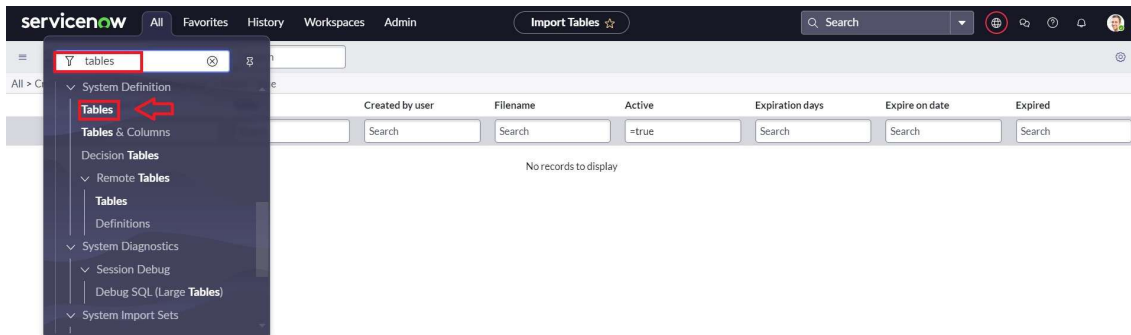
Description:

Submit Submit and Make Current

## Milestone 3: Creating a Table(Incident):

### Activity 1: Creating Salesforce Table.

- All >> Tables.

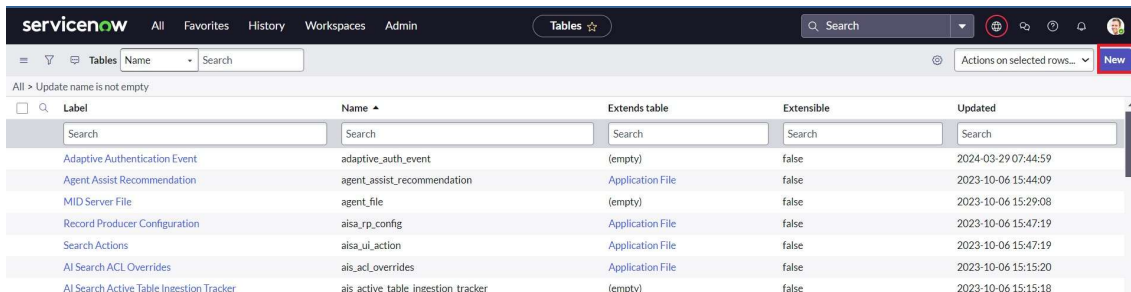


Import Tables

Created by user:  Filename:  Active:  Expiration days:  Expire on date:  Expired:

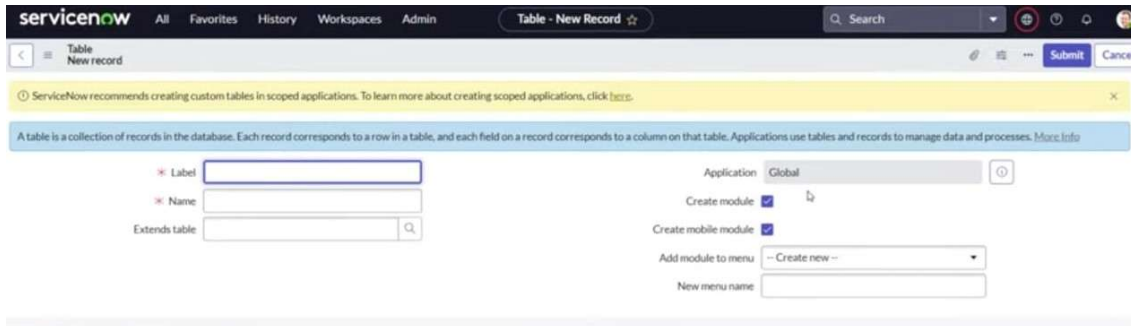
No records to display

- Click on new

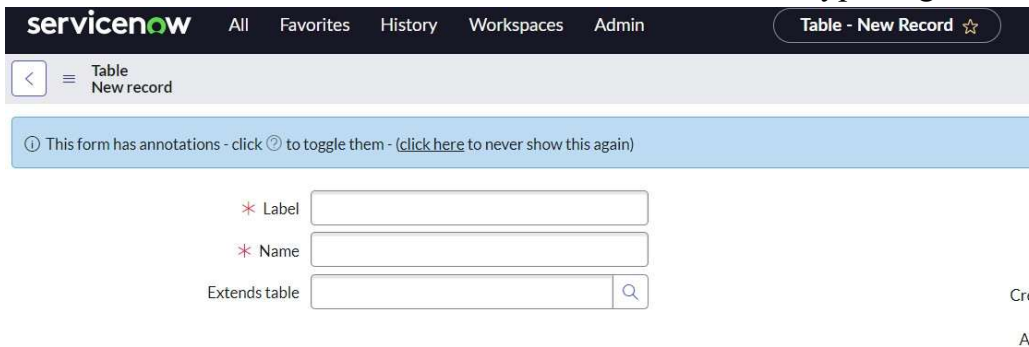
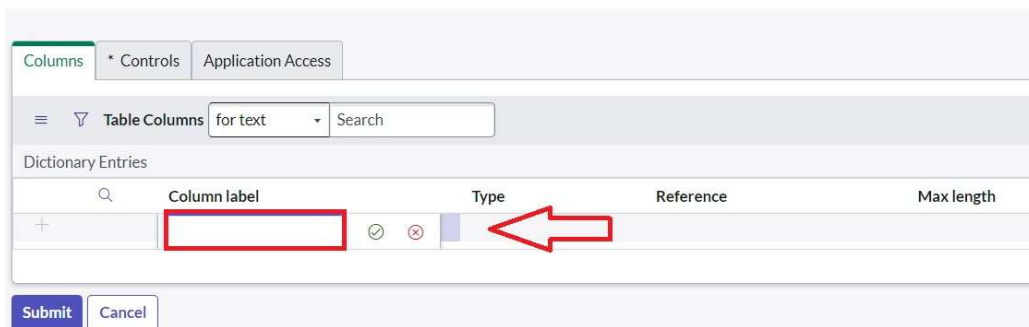


Label	Name	Extends table	Extensible	Updated
Adaptive Authentication Event	adaptive_auth_event	(empty)	false	2024-03-29 07:44:59
Agent Assist Recommendation	agent_assist_recommendation	Application File	false	2023-10-06 15:44:09
MID Server File	agent_file	(empty)	false	2023-10-06 15:29:08
Record Producer Configuration	aisa_rp_config	Application File	false	2023-10-06 15:47:19
Search Actions	aisa_ui_action	Application File	false	2023-10-06 15:47:19
AI Search ACL Overrides	ais_acl_overrides	Application File	false	2023-10-06 15:15:20
AI Search Active Table Ingestion Tracker	ais_active_table_ingestion_tracker	(empty)	false	2023-10-06 15:15:18

- Enter the Label(Anything you want): Salesforce >> Click on Name it will Automatically generate Api name.

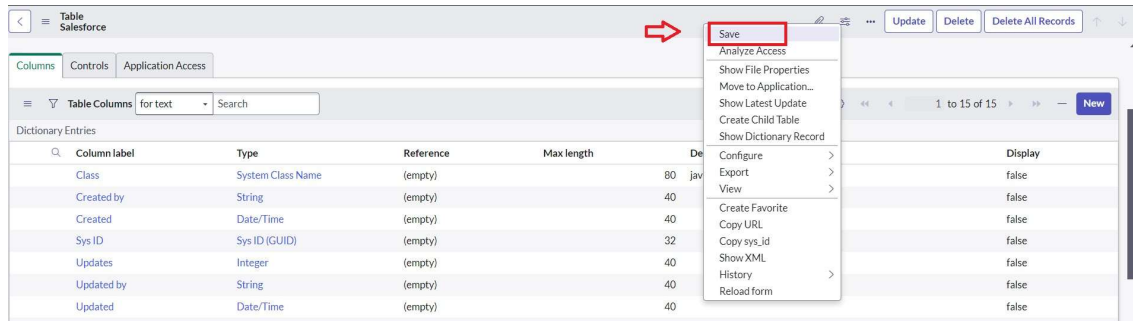


- Create columns as given below, Double Click on Column label and Enter the Column labels and click on the tick mark >> Give Type as given .

Column label	Type	Reference	Max length
Admin Date	Date	(empty)	40
Admin Number	String	(empty)	40
Father Cell	String	(empty)	40
Father Name	String	(empty)	40
Grade	Choice	(empty)	40
Mother Cell	String	(empty)	40
Mother Name	String	(empty)	40
Student Name	String	(empty)	40

- For “Admin Number” Give Display as True and right click on the toggle bar on top >> save.



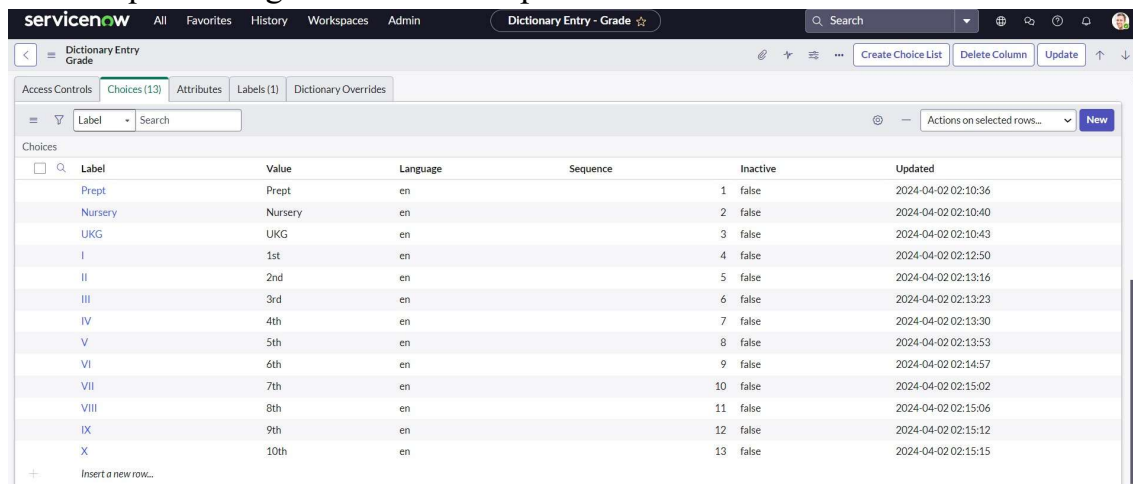
- Click on controls >> Enable Extensible>>Save.



- Click on “Admin Number” column, In Related Links Click on Advanced View >> Default Value (Enable Use dynamic default) >> select Get Next Padded Number in Dynamic default value >> Update .



- Click on “Grade” Column >> Click on Choices and give Label, Value and Sequence as given below >> Update.

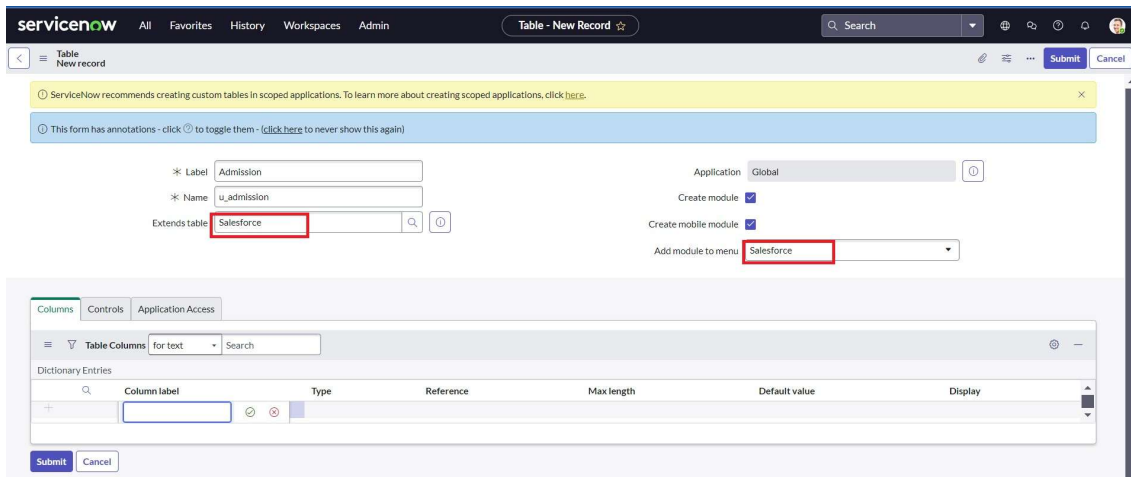


Label	Value	Language	Sequence	Inactive	Updated
Prept	Prept	en	1	false	2024-04-02 02:10:36
Nursery	Nursery	en	2	false	2024-04-02 02:10:40
UKG	UKG	en	3	false	2024-04-02 02:10:43
I	1st	en	4	false	2024-04-02 02:12:50
II	2nd	en	5	false	2024-04-02 02:13:16
III	3rd	en	6	false	2024-04-02 02:13:23
IV	4th	en	7	false	2024-04-02 02:13:30
V	5th	en	8	false	2024-04-02 02:13:53
VI	6th	en	9	false	2024-04-02 02:14:57
VII	7th	en	10	false	2024-04-02 02:15:02
VIII	8th	en	11	false	2024-04-02 02:15:06
IX	9th	en	12	false	2024-04-02 02:15:12
X	10th	en	13	false	2024-04-02 02:15:15

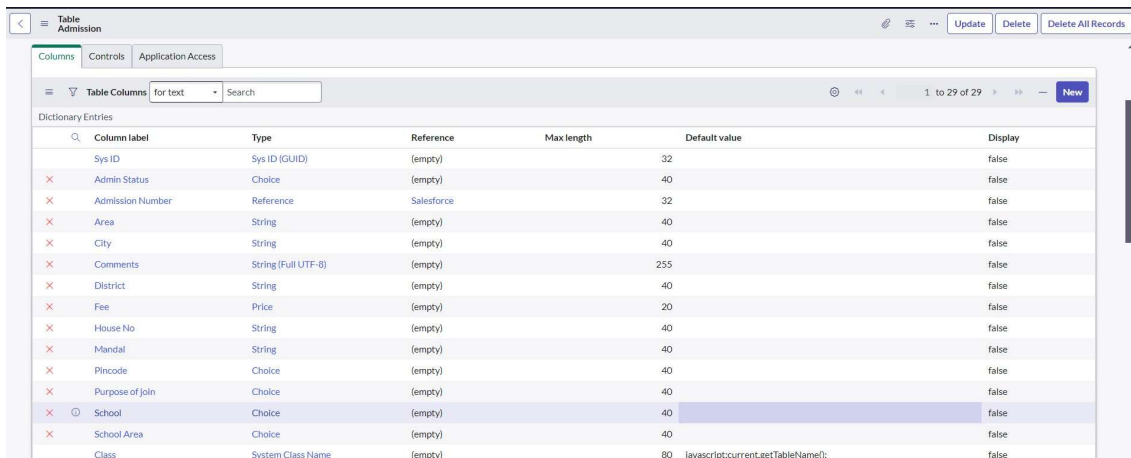
## Activity 2: Creating Admission Table.

- Create an Admission Table with Columns given.

- Select Extends Table >> Salesforce and also Select Add module to menu >> Salesforce.

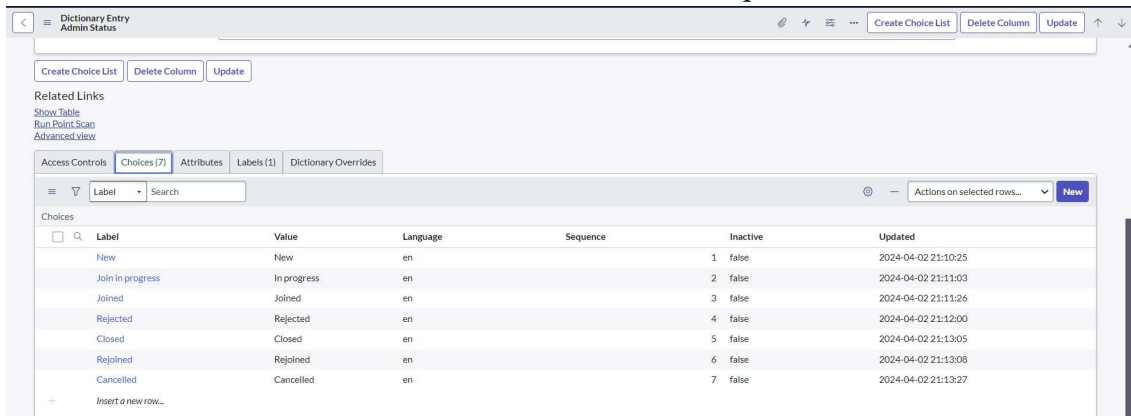


- Create Fields as shown >> Save



Column label	Type	Reference	Max length	Default value	Display
Sys ID	Sys ID (GUID)	(empty)	32	(empty)	false
Admin Status	Choice	(empty)	40	(empty)	false
Admission Number	Reference	Salesforce	32	(empty)	false
Area	String	(empty)	40	(empty)	false
City	String	(empty)	40	(empty)	false
Comments	String (Full UTF-8)	(empty)	255	(empty)	false
District	String	(empty)	40	(empty)	false
Fee	Price	(empty)	20	(empty)	false
House No	String	(empty)	40	(empty)	false
Mandal	String	(empty)	40	(empty)	false
Pincode	Choice	(empty)	40	(empty)	false
Purpose of join	Choice	(empty)	40	(empty)	false
School	Choice	(empty)	40	(empty)	false
School Area	Choice	(empty)	40	(empty)	false
Class	System Class Name	(empty)	80	javascript:current.getTabletName();	false

- Create a choice for “Admin Status” Field >> Update.



Label	Value	Language	Sequence	Inactive	Updated
New	New	en	1	false	2024-04-02 21:10:25
Join in progress	In progress	en	2	false	2024-04-02 21:11:03
Joined	Joined	en	3	false	2024-04-02 21:11:26
Rejected	Rejected	en	4	false	2024-04-02 21:12:00
Closed	Closed	en	5	false	2024-04-02 21:13:05
Rejoined	Rejoined	en	6	false	2024-04-02 21:13:08
Cancelled	Cancelled	en	7	false	2024-04-02 21:13:27

- Create a choice for Pincode >> Update.

Access Controls	Choices (3)	Attributes	Labels (1)	Dictionary Overrides
<div> <div>Label</div> <div>Search</div> </div> <div> <div>Actions on selected rows...</div> <div>New</div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Label</div> <div>Value</div> <div>Language</div> <div>Sequence</div> <div>Inactive</div> <div>Updated</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>509358</div> <div>509358</div> <div>en</div> <div></div> <div>1 false</div> <div>2024-04-02 21:15:19</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>500079</div> <div>500079</div> <div>en</div> <div></div> <div>2 false</div> <div>2024-04-02 21:15:46</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>500081</div> <div>500081</div> <div>en</div> <div></div> <div>3 false</div> <div>2024-04-02 21:16:05</div> </div> </div>				
<div> <div>+</div> <div>Insert a new row...</div> </div>				

- Create a choice for Purpose of Join >> Update.

Access Controls	Choices (3)	Attributes	Labels (1)	Dictionary Overrides
<div> <div>Label</div> <div>Search</div> </div> <div> <div>Actions on selected rows...</div> <div>New</div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Label</div> <div>Value</div> <div>Language</div> <div>Sequence</div> <div>Inactive</div> <div>Updated</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Tuition</div> <div>Tuition</div> <div>en</div> <div></div> <div>1 false</div> <div>2024-04-02 21:17:09</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Coaching</div> <div>Coaching</div> <div>en</div> <div></div> <div>2 false</div> <div>2024-04-02 21:17:31</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Teacher</div> <div>Teacher</div> <div>en</div> <div></div> <div>3 false</div> <div>2024-04-02 21:17:53</div> </div> </div>				
<div> <div>+</div> <div>Insert a new row...</div> </div>				

- Create a choice for School >> Update.

Access Controls	Choices (2)	Attributes	Labels (1)	Dictionary Overrides
<div> <div>Label</div> <div>Search</div> </div> <div> <div>Actions on selected rows...</div> <div>New</div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Label</div> <div>Value</div> <div>Language</div> <div>Sequence</div> <div>Inactive</div> <div>Updated</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Stanley</div> <div>Stanley</div> <div>en</div> <div></div> <div>1 false</div> <div>2024-04-02 21:19:14</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Naresh It</div> <div>Naresh It</div> <div>en</div> <div></div> <div>2 false</div> <div>2024-04-02 21:19:35</div> </div> </div>				
<div> <div>+</div> <div>Insert a new row...</div> </div>				

- Create a choice for School Area >> Update.

Access Controls	Choices (2)	Attributes	Labels (1)	Dictionary Overrides
<div> <div>Label</div> <div>Search</div> </div> <div> <div>Actions on selected rows...</div> <div>New</div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Label</div> <div>Value</div> <div>Language</div> <div>Sequence</div> <div>Inactive</div> <div>Updated</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Near Market</div> <div>Near Market</div> <div>en</div> <div></div> <div>1 false</div> <div>2024-04-02 21:20:53</div> </div> </div>				
<div> <div> <input type="checkbox"/> </div> <div> <div>Near Bus Stand</div> <div>Near Bus Stand</div> <div>en</div> <div></div> <div>2 false</div> <div>2024-04-02 21:21:24</div> </div> </div>				
<div> <div>+</div> <div>Insert a new row...</div> </div>				

### Activity 3: Creating Student Progress Table.

- Create a Student Progress Table with Columns given.
- Select Add module to menu >> Salesforce.
- Create Fields as shown:

X	Admission Number	Reference	Salesforce	32	false
X	English	String	(empty)	40	false
X	Hindi	String	(empty)	40	false
X	Maths	String	(empty)	40	false
X	Percentage	String	(empty)	40	false
X	Result	String	(empty)	40	false
X	Science	String	(empty)	40	false
X	Social	String	(empty)	40	false
X	Telugu	String	(empty)	40	false
X	Total	String	(empty)	40	false
<div> <div>+</div> <div>Insert a new row...</div> </div>					

### Milestone 4: Layout Form

#### Activity: Configuring Table form for Student Progress Table.

- In the Student Progress Table Page , Click on Layout form .



<	Table			
	student progress			
×	Telugu	String	(empty)	40
×	Total	String	(empty)	40
+	Insert a new row...			

[Update](#)
[Delete](#)
[Delete All Records](#)

Related Links

[Design Form](#)  
[Layout Form](#)  
[Layout List](#)  
[Show Form](#)  
[Show List](#)  
[Show Schema Map](#)  
[Add to Service Catalog](#)  
[Run Point Scan](#)  
[Explore REST API](#)

- Click on Admission Number [+].

Configuring Table form

Available

- Admission Number [+]
- Created
- Created by
- Updated
- Updated by
- Updates
- [- begin\_split -]
- [- split -]
- [- end\_split -]
- \* Annotation
- \* Chart
- Activities (filtered)
- Contextual Search Results
- Ratings
- Attachments
- Goal relationships

Selected

- [- begin\_split -]
- Admission Number
- Hindi
- English
- Telugu
- Science
- [- split -]
- Total
- Average
- Social
- Maths
- [- end\_split -]

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

- Select below Admission Number fields in Available side and send it to selected side as below >> save.

Available

- Admission Number [+]
- Created
- Created by
- Updated
- Updated by
- Updates
- [- begin\_split -]
- [- split -]
- [- end\_split -]
- \* Annotation
- \* Chart
- Activities (filtered)
- Contextual Search Results
- Ratings
- Attachments
- Goal relationships

Selected

- Admission Number
- Hindi
- English
- Telugu
- Science
- [- split -]
- Total
- Average
- Social
- Maths
- [- end\_split -]
- Admission Number.Admin Date
- Admission Number.Student Name
- Admission Number.Father Name
- Admission Number.Mother Name
- Admission Number.Father Cell
- Admission Number.Mother Cell

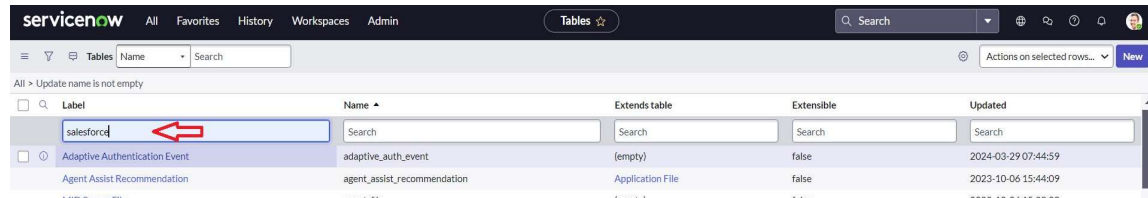
[Cancel](#)
[Save](#)



## Milestone 5: Form Design

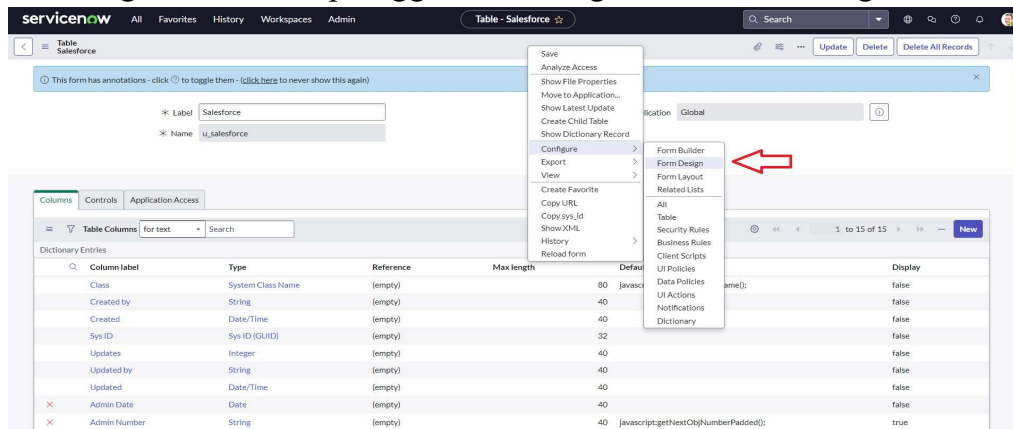
### Activity 1: Creating Form Design for Salesforce Table.

1. All >> System Definition >> Tables .
2. In Label Search for Salesforce and open .



Label	Name	Extends table	Extensible	Updated
salesforce	Search	Search	Search	Search
Adaptive Authentication Event	adaptive_auth_event	(empty)	false	2024-03-29 07:44:59
Agent Assist Recommendation	agent_assist_recommendation	Application File	false	2023-10-06 15:44:09

3. Right Click on top Toggle >> Configure >> Form Design.



This form has annotations - click ⓘ to toggle them - [click here](#) to never show this again!

\* Label: Salesforce  
\* Name: u\_salesforce

Columns | Controls | Application Access

Dictionary Entries

Column label	Type	Reference	Max length	Default	Display
Class	System Class Name	(empty)	80	javascript:alert('Class');	false
Created by	String	(empty)	40		false
Created	Date/Time	(empty)	40		false
Sys ID	Sys ID (GUID)	(empty)	32		false
Updates	Integer	(empty)	40		false
Updated by	String	(empty)	40		false
Updated	Date/Time	(empty)	40		false
Admin Date	Date	(empty)	40		false
Admin Number	String	(empty)	40	javascript:getNextObjNumberPadded();	true

4. In drop down select Salesforce(u\_salesforce).

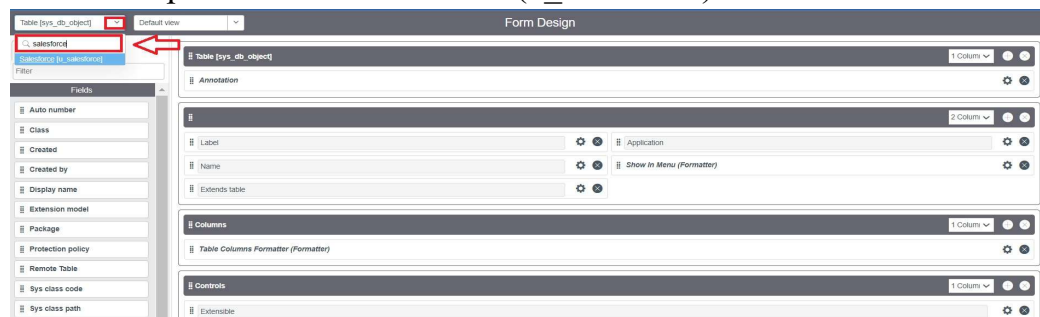


Table [sys\_db\_object] Default view

Form Design

Table [sys\_db\_object] 1 Column

Annotation

Label

Name

Extends table

Columns

Table Columns Formatter (Formatter)

Controls

Extensible

5. Drag and drop the fields to the left side as below.

Salesforce [u\_salesforce] Default view Form Design Undo Save

Fields Field Types

Filter

Fields

- Class
- Created
- Created by
- Updated
- Updated by
- Updates

Formatters

- Activities (filtered)
- Contextual Search Results
- Ratings

Salesforce [u\_salesforce] 2 Columns

Admin Number		Father Name	
Admin Date		Mother Name	
Grade		Father Cell	
Student Name		Mother Cell	

6. Save.

## Activity 2: Creating Form Design for Admission Table.

Follow the same steps as Activity1, Configure the fields as below and Save.

Admission [u\_admission] Default view Form Design Undo Save

Fields Field Types

Filter

Fields

- Admin Number
- Class
- Created
- Created by
- Updated
- Updated by
- Updates

Formatters

- Activities (filtered)
- Contextual Search Results
- Ratings

Admission [u\_admission] 1 Column

Process Flow (Formatter)

1

Admission Number	Admin Date
Purpose of join	Grade
Student Name	Fee
Father Name	Father Cell
Mother Name	Mother Cell
Admin Status	

2

Comments

3

School Details

School Area	School
-------------	--------

4

Address

Pincode	Area
Ward	City
House No	Cluster

## Activity 3: Creating Form Design for Student progress Table.

Follow the same steps as Activity1, Configure the fields as below and Save.

Student Progress [u\_student] Default view Form Design Undo Save

Fields Field Types

Filter

Fields

- Class
- Created
- Created by
- Social
- Updated
- Updated by
- Updates

Formatters

- Activities (filtered)
- Contextual Search Results
- Ratings

New Section

1

Admission Number

2

Admission Number Grade	Admission Number Father Name
Admission Number Student Name	Admission Number Mother Name
	Admission Number Father Cell
	Admission Number Mother Cell

3

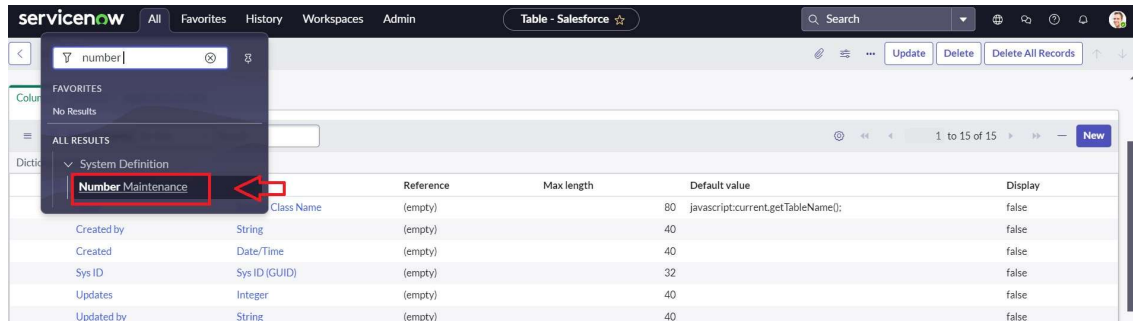
Student Progress

Telugu	Total
Hindi	Percentage
English	Result
Maths	
Science	

## Milestone 6: Number Maintenance

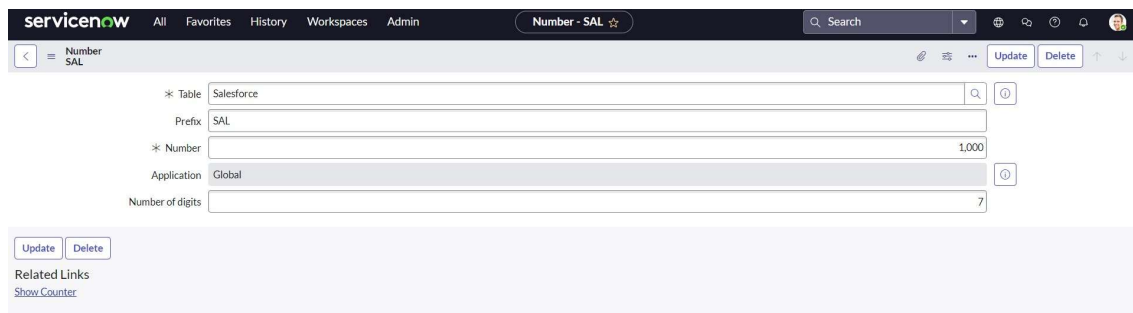
### Activity : Creating Number Maintenance for Admin Number.

- All >> Number Maintenance >> New



Class Name	Reference	Max length	Default value	Display
Created by	String	(empty)	80	javascript:current.getTableName();
Created	Date/Time	(empty)	40	false
Sys ID	Sys ID (GUID)	(empty)	32	false
Updates	Integer	(empty)	40	false
Updated by	String	(empty)	40	false

- Fill in the details >> Submit.



\* Table: Salesforce  
 Prefix: SAL  
 \* Number: 1,000  
 Application: Global  
 Number of digits: 7

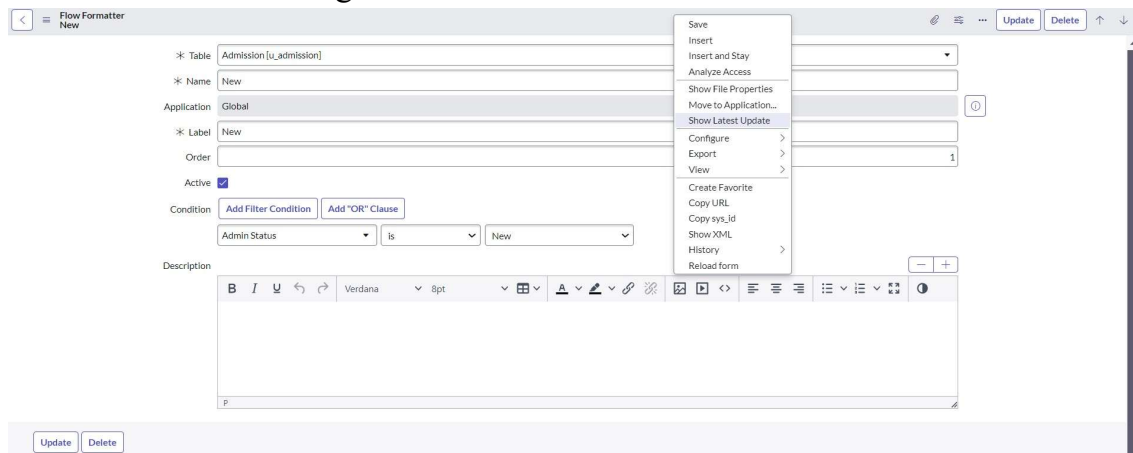
Update Delete

Related Links  
Show Counter

## Milestone 7: Process Flow

### Activity : Creating Process Flow for Admission Table.

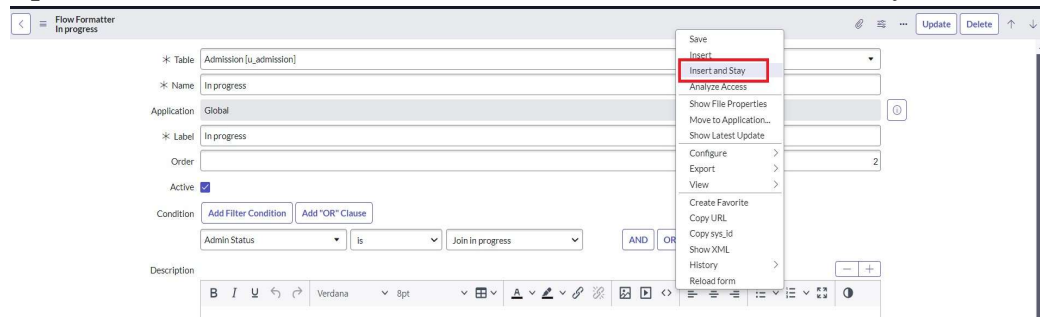
- All >> Process Flow >> New.
- Fill the Details as given Below



\* Table: Admission [u\_admission]  
 \* Name: New  
 Application: Global  
 \* Label: New  
 Order: 1  
 Active: ☒  
 Condition: Add Filter Condition Add "OR" Clause  
 Admin Status is New  
 Description:

Update Delete

- Right Click on toggle and click on the save .
- Replace the Name and Label as below and click on Insert on stay.

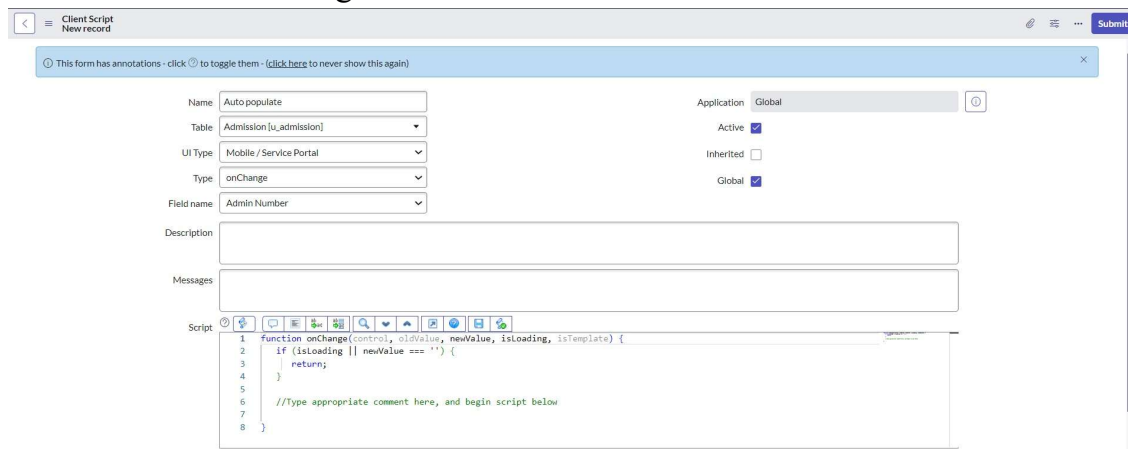


- Replace the Name and Label in order and click on Insert on stay. Joined >> Rejected >> Rejoined >> Closed >> Cancelled.
- Order should be New >> InProgress >> Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

## Milestone 8: Client Script

### Activity 1: Creating “Auto populate” Client Scripts for Admission Table.

- All >> Client Scripts >> New.
- Fill the Details as given.



- Write the Code as below, Enable Isolate script and Save.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate)
{
    if (isLoading || newValue === '') {
        return;
    }
}
```

```
//Type appropriate comment here, and begin script below
var a = g_form.getReference('u_admission_number');
```

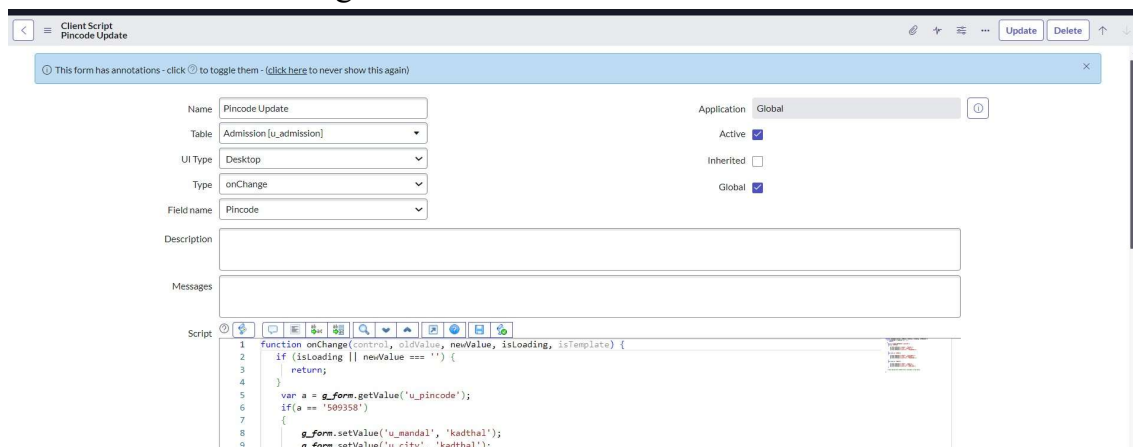
```
g_form.setValue('u_admin_date',a.u_admin_date);
g_form.setValue('u_grade',a.u_grade);
g_form.setValue('u_student_name',a.u_student_name);
g_form.setValue('u_father_name',a.u_father_name);
g_form.setValue('u_mother_name',a.u_mother_name);
g_form.setValue('u_father_cell',a.u_father_cell);
g_form.setValue('u_mother_cell',a.u_mother_cell);
```

```
g_form.setDisabled('u_admin_date',a.u_admin_date);
g_form.setDisabled('u_grade',a.u_grade);
g_form.setDisabled('u_student_name',a.u_student_name);
g_form.setDisabled('u_father_name',a.u_father_name);
g_form.setDisabled('u_mother_name',a.u_mother_name);
g_form.setDisabled('u_father_cell',a.u_father_cell);
g_form.setDisabled('u_mother_cell',a.u_mother_cell); }
```

Note: Make sure the Field names should be the same as you created .

## Activity 2: Creating “Pincode Update” Client Scripts for Admission Table.

- Fill the Details as given.



The screenshot shows the 'Client Script' configuration window for a field named 'Pincode Update'. The configuration includes the following details:

- Name:** Pincode Update
- Table:** Admission[u\_admission]
- UI Type:** Desktop
- Type:** onChange
- Field name:** Pincode
- Application:** Global
- Active:** ☒
- Inherited:** ☐
- Global:** ☒

The **Script** section contains the following code:

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5   var a = g_form.getValue('u_pincode');
6   if(a == '509358')
7   {
8     g_form.setValue('u_mandal', 'kadthal');
9     g_form.setValue('u_city', 'kadthal');
```

- Write the Code as below, Enable Isolate script and Save. function onChange(control, oldValue, newValue, isLoading, isTemplate) { if (isLoading || newValue === "") { return; }  
var a = g\_form.getValue('u\_pincode');  
if(a == '509358')  
{

```

        g_form.setValue('u_mandal', 'kadthal');
g_form.setValue('u_city', 'kadthal');          g_form.setValue('u_district',
'RangaReddy');

    }
    else if(a == '500081')
    {
        g_form.setValue('u_mandal', 'karmanghat');
g_form.setValue('u_city', 'karmanghat');
g_form.setValue('u_district', 'RangaReddy');

    }
    else if(a == '500079')
    {
        g_form.setValue('u_mandal', 'Abids');
g_form.setValue('u_city', 'AsifNagar');
g_form.setValue('u_district', 'Hyderabad');    }

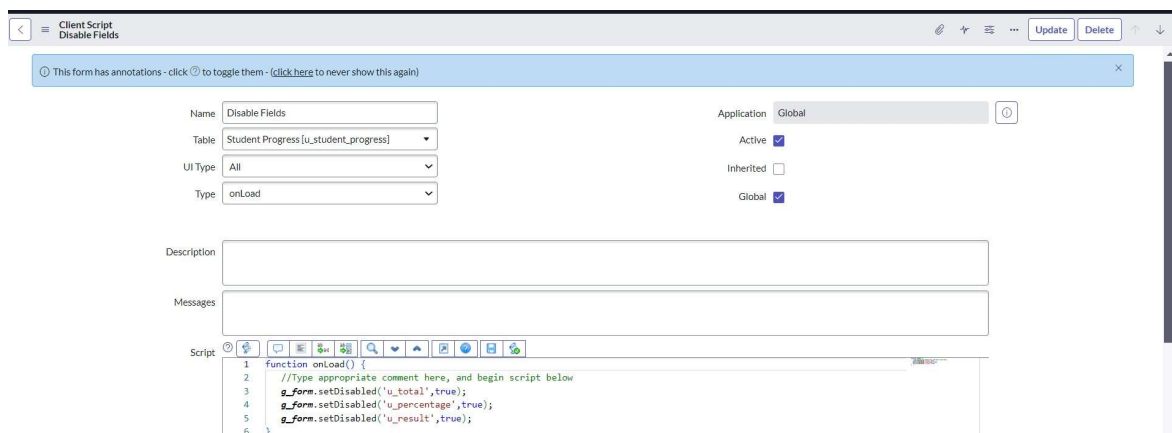
//Type appropriate comment here, and begin script below

}

```

### Activity 3: Creating “Disable Fields” Client Scripts for Student progress Table. ●

Fill the Details as given.



Client Script  
Disable Fields

This form has annotations - click ⓘ to toggle them - (click here to never show this again)

Name: Disable Fields

Table: Student Progress [u\_student\_progress]

UI Type: All

Type: onLoad

Application: Global ⓘ

Active: ☒

Inherited: ☐

Global: ☒

Description:

Messages:

Script:

```

1 function onLoad() {
2     //Type appropriate comment here, and begin script below
3     g_form.setDisabled('u_total',true);
4     g_form.setDisabled('u_percentage',true);
5     g_form.setDisabled('u_result',true);
6 }

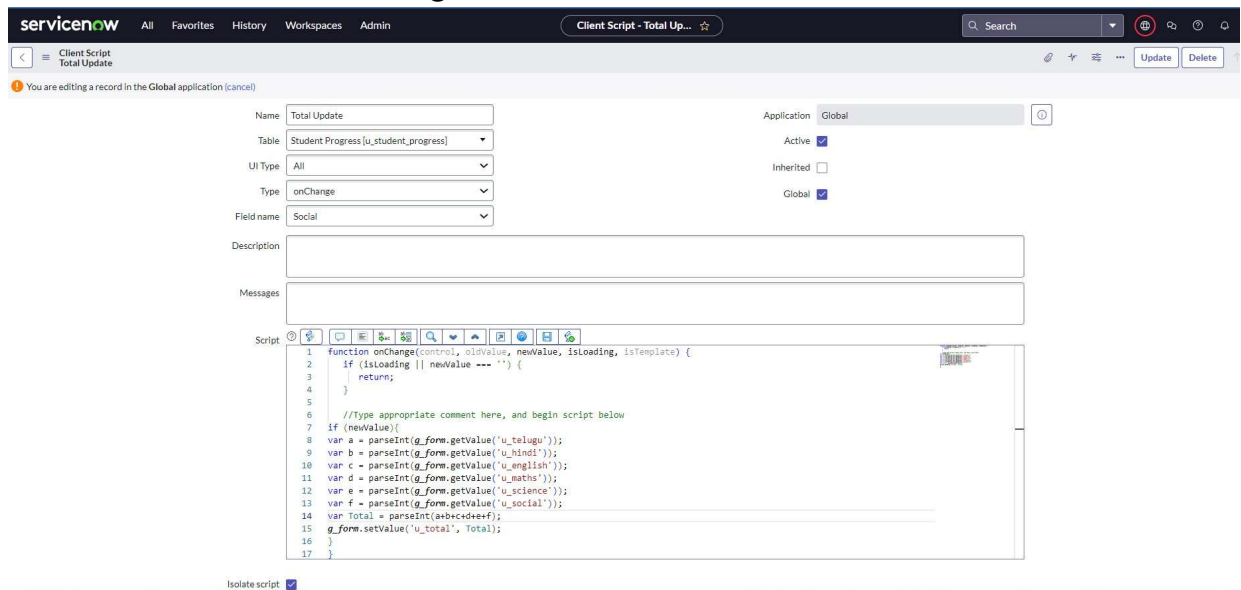
```

- Write the Code as below, Enable Isolate script and Save. function onLoad() {

```
//Type appropriate comment here, and begin script below
g_form.setDisabled('u_total',true);
g_form.setDisabled('u_percentage',true);
g_form.setDisabled('u_result',true);
}
```

#### Activity 4: Creating “Total Update” Client Scripts for Student progress Table.

- Fill the Details as given.



The screenshot shows the ServiceNow interface for configuring a Client Script. The script is named 'Total Update' and is associated with the 'Student Progress (u\_student\_progress)' table. The UI Type is set to 'All' and the Type is 'onChange'. The Field name is 'Social'. The script is active and global. The script code is as follows:

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5
6   //Type appropriate comment here, and begin script below
7   if (newValue){
8     var a = parseInt(g_form.getValue('u_telugu'));
9     var b = parseInt(g_form.getValue('u_hindi'));
10    var c = parseInt(g_form.getValue('u_english'));
11    var d = parseInt(g_form.getValue('u_maths'));
12    var e = parseInt(g_form.getValue('u_science'));
13    var f = parseInt(g_form.getValue('u_social'));
14    var Total = parseInt(a+b+c+d+e+f);
15    g_form.setValue('u_total', Total);
16  }
17 }
```

- Write the Code as below, Enable Isolate script and Save.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate)
{   if (isLoading || newValue === '') {   return;
}
}
```

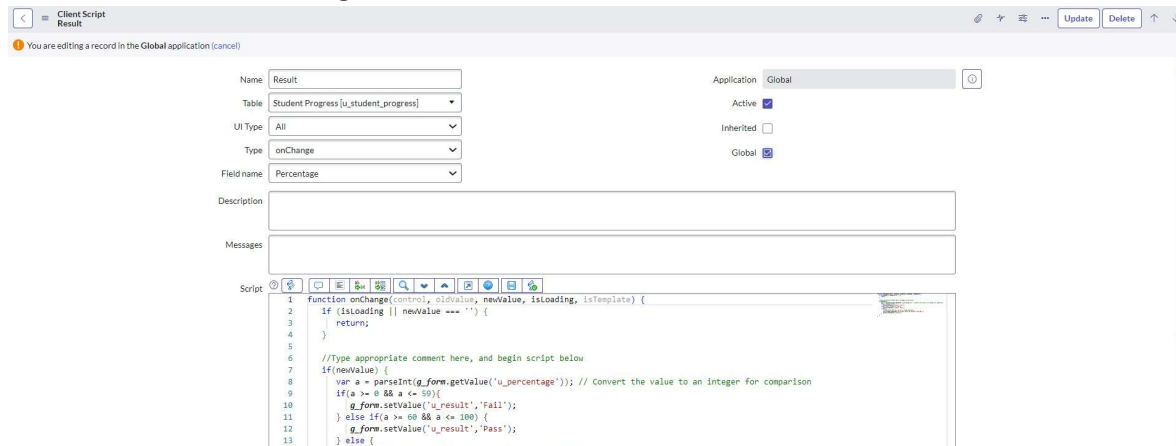
```
//Type appropriate comment here, and begin script
below if (newValue){ var a =
parseInt(g_form.getValue('u_telugu')); var b =
parseInt(g_form.getValue('u_hindi')); var c =
parseInt(g_form.getValue('u_english')); var d =
parseInt(g_form.getValue('u_maths')); var e =
parseInt(g_form.getValue('u_science')); var f =
parseInt(g_form.getValue('u_social')); var Total =
parseInt(a+b+c+d+e+f); g_form.setValue('u_total', Total);
}
```



}

## Activity 5: Creating “Result” Client Scripts for Student progress Table.

- Fill the Details as given.



Client Script  
Result

You are editing a record in the Global application (cancel)

Name: Result

Table: Student Progress [u\_student\_progress]

UI Type: All

Type: onChange

Field name: Percentage

Application: Global

Active: ☒

Inherited: ☐

Global: ☒

Description:

Messages:

Script:

```
1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5
6   //Type appropriate comment here, and begin script below
7   if(newValue) {
8     var a = parseInt(g_form.getValue('u_percentage')); // Convert the value to an integer for comparison
9     if(a >= 0 && a <= 59){
10      g_form.setValue('u_result','Fail');
11    } else if(a >= 60 && a <= 100) {
12      g_form.setValue('u_result','Pass');
13    } else {
14      // Handle the case if a is out of range (optional)
15      g_form.addErrorMessage('Percentage should be between 0 and 100.');
```

- Write the Code as below, Enable Isolate script and Save.

```
function onChange(control, oldValue, newValue, isLoading, isTemplate)
{   if (isLoading || newValue === '') {   return;
    }
    //Type appropriate comment here, and begin script below   if(newValue) {
    var a = parseInt(g_form.getValue('u_percentage')); // Convert the value to an
integer for comparison   if(a >= 0 && a <= 59){
    g_form.setValue('u_result','Fail');   } else if(a >= 60 && a <= 100) {
    g_form.setValue('u_result','Pass');
    } else {
    // Handle the case if a is out of range (optional)
    g_form.addErrorMessage('Percentage should be between 0 and 100.');
```

## Activity 6: Creating “Percentage” Client Scripts for Student progress Table.

- Fill the Details as given.

Client Script  
Percentage

You are editing a record in the Global application (cancel)

Name: Percentage

Table: Student Progress (u\_student\_progress)

UI Type: All

Type: onChange

Fieldname: Total

Application: Global

Active: ☒

Inherited: ☐

Global: ☒

Description:

Messages:

Script

```

1 function onChange(control, oldValue, newValue, isLoading, isTemplate) {
2   if (isLoading || newValue === '') {
3     return;
4   }
5
6   //Type appropriate comment here, and begin script below
7   var Total = g_form.getValue('u_total');
8   var Percentage = (Total/600)*100;
9   g_form.setValue('u_percentage', Percentage+'%');
10 }
  
```

Isolate script: ☒

Update Delete

- Write the Code as below, Enable Isolate script and Save.

```

function onChange(control, oldValue, newValue, isLoading, isTemplate)
{
    if (isLoading || newValue === '') {
        return;
    }
  
```

```

//Type appropriate comment here, and begin script
below    var Total = g_form.getValue('u_total');    var
Percentage = (Total/600)*100;
g_form.setValue('u_percentage',Percentage+'%');
}
  
```

## OUTPUT:

Salesforce  
New record

Admin Number: SAL0001078

Admin Date:

Grade: -- None --

Student Name:

Father Name:

Mother Name:

Mother Cell:

Father Cell:

Submit

---

Admission  
New record

New In progress Joined Rejected Rejoined Closed Cancelled

Admission Number:

Purpose of join: -- None --

Student Name:

Father Name:

Mother Name:

Comments:

Admin Date:

Grade: -- None --

Fee: \$ 0.00

Father Cell:

Mother Cell:

Admin Status: -- None --

School Details Address

School Area: -- None --

School:

Submit

<

=

New Section  
New record

🔍

⌵

⋮

Submit

Admission Number

Q

Grade

-- None --

▼

Student Name

Father Name

Mother Name

Father Cell

Mother Cell

Student Progress

▼

Telugu

Hindi

English

Maths

Science

Social

Total

Percentage

Result

Submit