M.A.M COLLEGE OF ENGINEERING

PROJECT NAME: Educational Organisation Using ServiceNow

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# Educational Organisation Using ServiceNow

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.

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.

Creating a Update Set

    1.   Click on All >> Local update sets .

    2.   Click on new

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

Creating Salesforce Table.

All >> Tables.

Click on new

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 .

x

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

Click on controls >> Enable Extensible.

Click on "Admin Number" column, In Related Links Click on Advanced View >> Default View (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.

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

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

- Create choice for Admin Status as:

	Q	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
		Insert a new row...					

- Create choice for Pincode as:

	Q	Label	Value	Language	Sequence	Inactive	Updated
	ⓘ	509358	509358	en	1	false	2024-04-02 21:15:19
		500079	500079	en	2	false	2024-04-02 21:15:46
		500081	500081	en	3	false	2024-04-02 21:16:05
		Insert a new row...					

- Create choice for Purpose of Join as:

	Q	Label	Value	Language	Sequence	Inactive	Updated
		Tution	Tution	en	1	false	2024-04-02 21:17:09
		Coaching	Coaching	en	2	false	2024-04-02 21:17:31
		Teacher	Teacher	en	3	false	2024-04-02 21:17:53
		Insert a new row...					

- Create choice for School as:

		Label	Value	Language	Sequence		Inactive	Updated
		Stanley	Stanley	en		1	false	2024-04-02 21:19:14
		Naresh It	Naresh It	en		2	false	2024-04-02 21:19:35

- Create choice for School Area as:

		Label	Value	Language	Sequence		Inactive	Updated
		Near Market	Near Market	en		1	false	2024-04-02 21:20:53
		Near Bus Stand	Near Bus Stand	en		2	false	2024-04-02 21:21:24

Creating Student Progress Table

- Create a Student Progress Table with Columns given.

- Select Add module to menu >> Salesforce.

- Create Fields as shown:
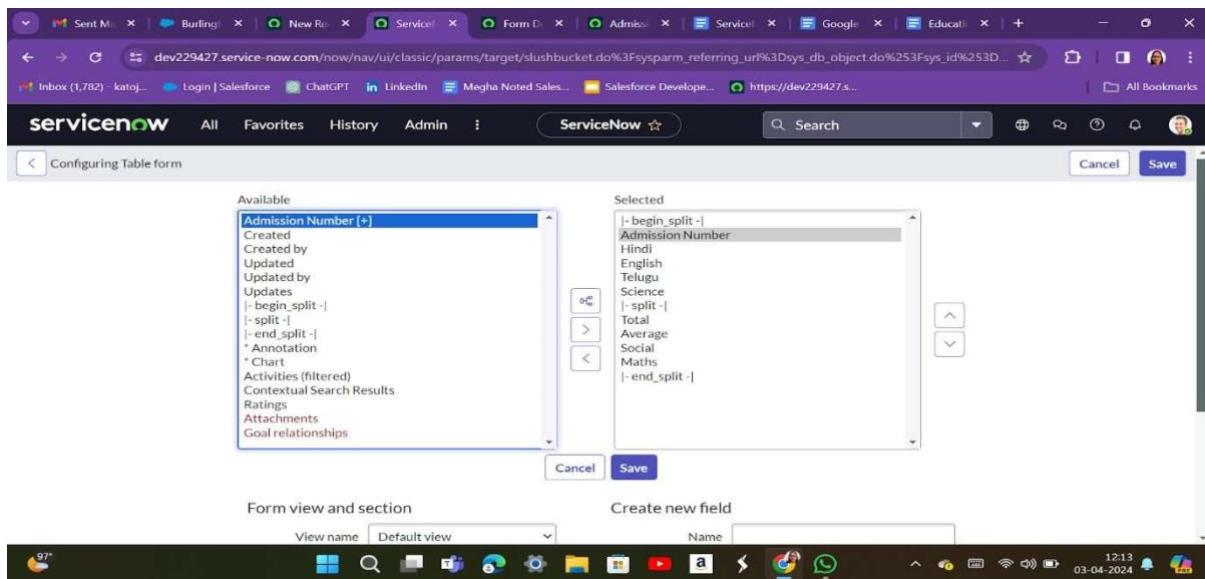
✕	Admission Number	Reference	Salesforce	32	false
✕	English	String	(empty)	40	false
✕	Hindi	String	(empty)	40	false
✕	Maths	String	(empty)	40	false
✕	Percentage	String	(empty)	40	false
✕	Result	String	(empty)	40	false
✕	Science	String	(empty)	40	false
✕	Social	String	(empty)	40	false
✕	Telugu	String	(empty)	40	false
✕	Total	String	(empty)	40	false
＋	Insert a new row...				

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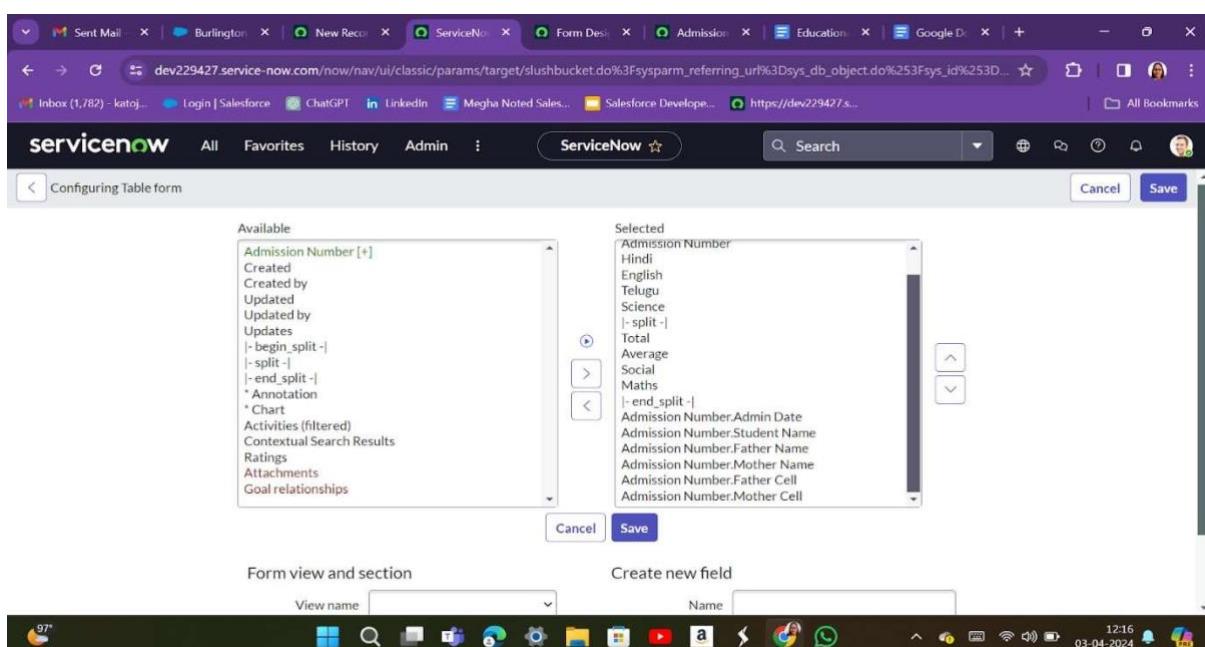
- In the Student Progress Table Page , Click on Layout form .

- Click on Admission Number [+] .

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


Creating Form Design for Salesforce Table

1.   All >> System Definition >> Tables .

2.   In Label Search for Salesforce and open .

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

4.   In drop down select Salesforce(u_salesforce).

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

6.Save.

Creating Form Design for Admission Table

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

Creating Form Design for Student progress Table

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

Creating Number Maintenance for Admin Number

- All >> Number Maintenance >> New

- Fill the details >> Submit.

Creating Process Flow for Admission Table

- All >> Process Flow>> New.

- Fill the Details as given Below

- Right Click on toggle and click on the save .

- Replace the Name and Label as below and click on Insert on stay.
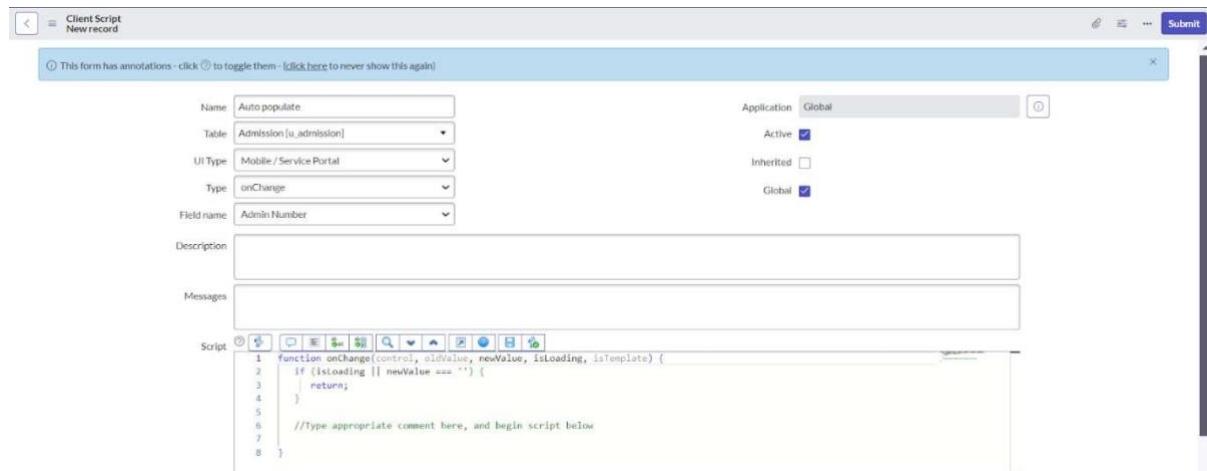
- Replace the Name and Label in order and click on Insert on stay.

Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

- Order should be New >> InProgress >> Joined >> Rejected >> Rejoined >> Closed >> Cancelled.

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);
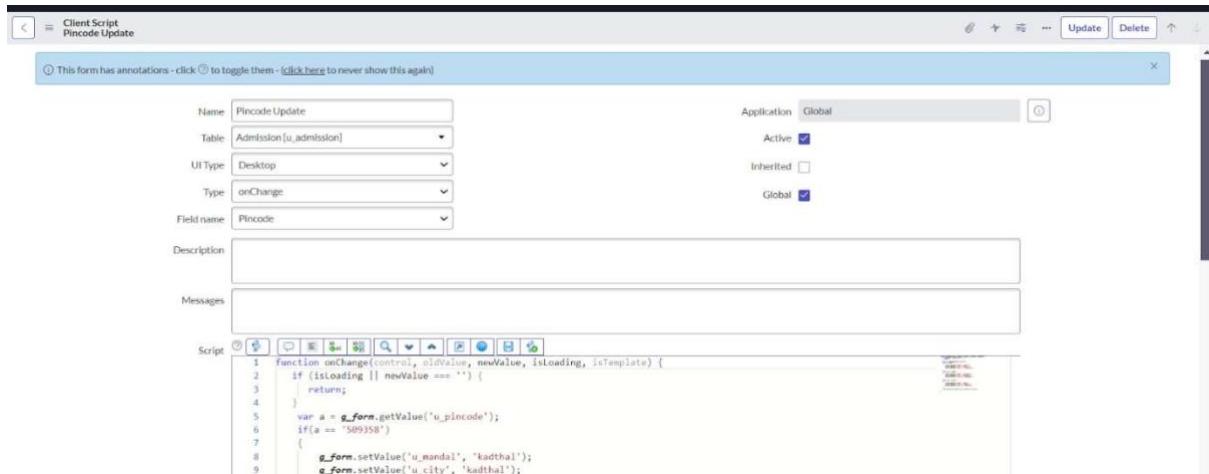
g_form.setDisabled('u_admin_date',a.u_admin_date);   g_form.setDisabled('u_grade',a.u_grade);

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 .

Creating "Pincode Update" Client Scripts for Admission Table

- 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;
    }
    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


}
```
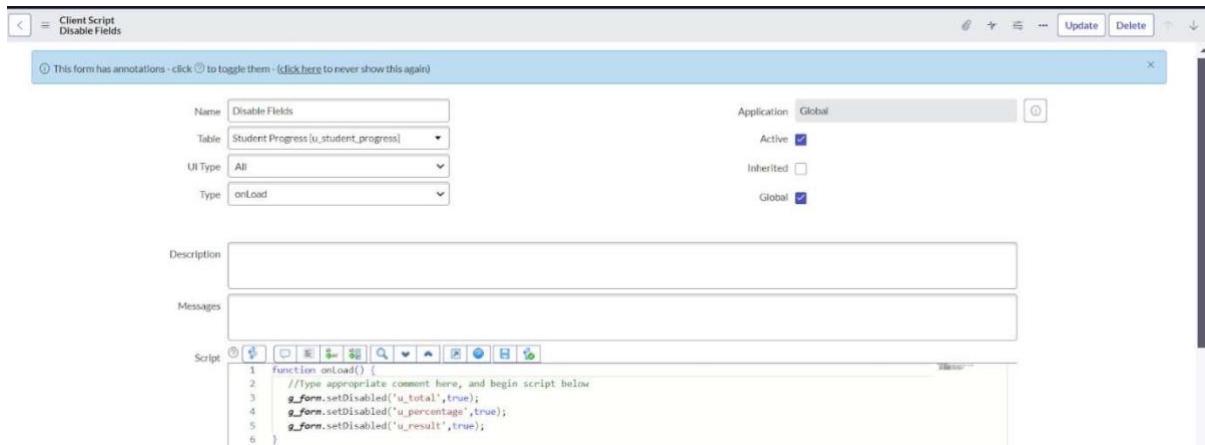
Creating "Disable Fields" Client Scripts for Student progress Table

- Fill the Details as given.

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

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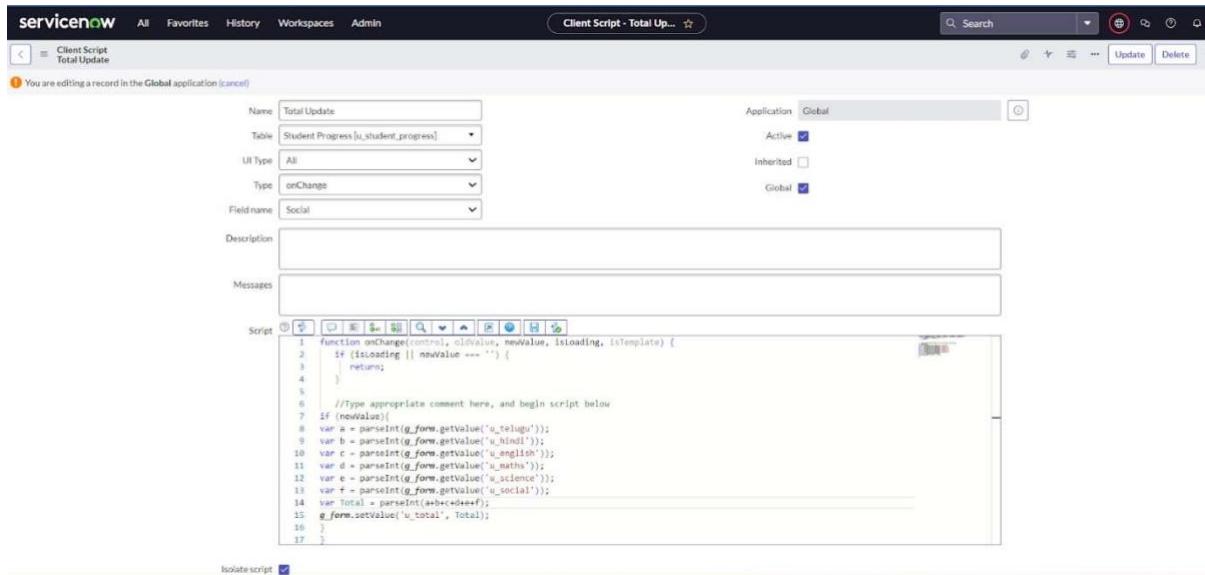
g_form.setDisabled('u_total',true);   g_form.setDisabled('u_percentage',true);

g_form.setDisabled('u_result',true);

}

Creating "Total Update" Client Scripts for Student progress Table

- Fill the Details as given.

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

onChange(control, oldValue, newValue, isLoading, isTemplate) {   //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 =

```
    if (isLoading || newValue === '') {

return;

  }
  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);

}

}
```
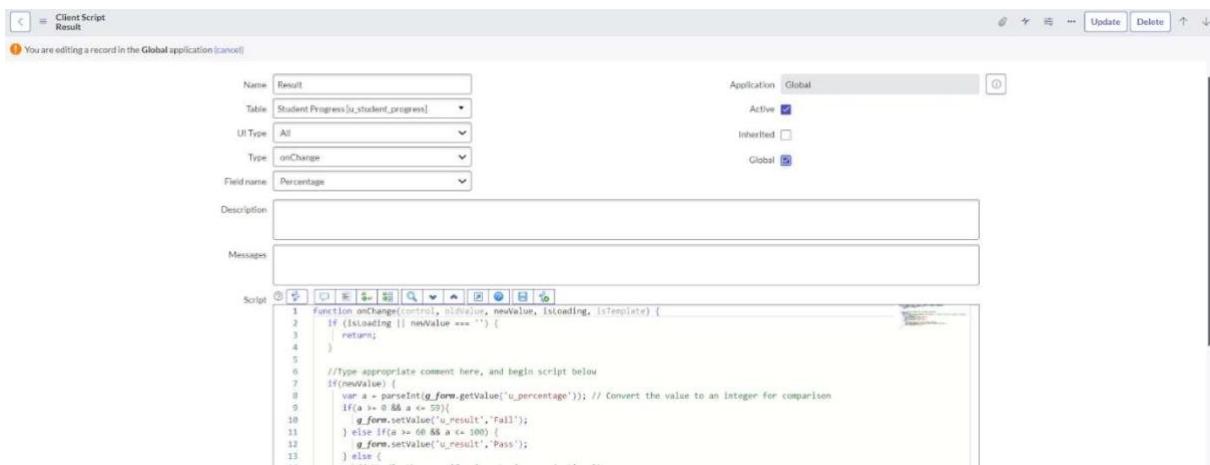
Creating "Result" Client Scripts for Student progress Table

- 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   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.');

g_form.clearValue('u_result');

    }

  }

}
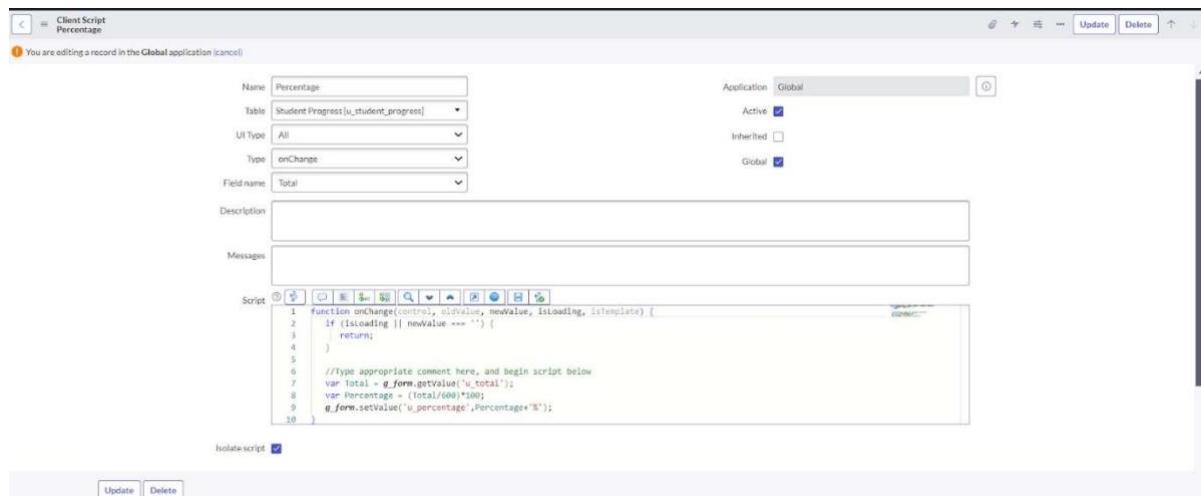
Creating "Percentage" Client Scripts for Student progress Table

- Fill the Details as given.

- Write the Code as below, Enable Isolate script and Save. function
onChange(control, oldValue, newValue, isLoading, isTemplate) {   //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+'%');

}

Result

```
   if (isLoading || newValue === ") {

return;

   }
```


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	-- None --

Submit

New Section — New record

Admission Number	
Grade	-- None --
Student Name	

Father Name	
Mother Name	
Father Cell	
Mother Cell	

Student Progress

Telugu	
Hindi	
English	
Maths	
Science	
Social	

Total	
Percentage	
Result	

Submit