

# Project Title: Online Training Management-Developer

## Day 1:

**Topic: Created salesforce developer org.**

**Milestones/Activities:**

**Topics:**

### 1)Created developer account

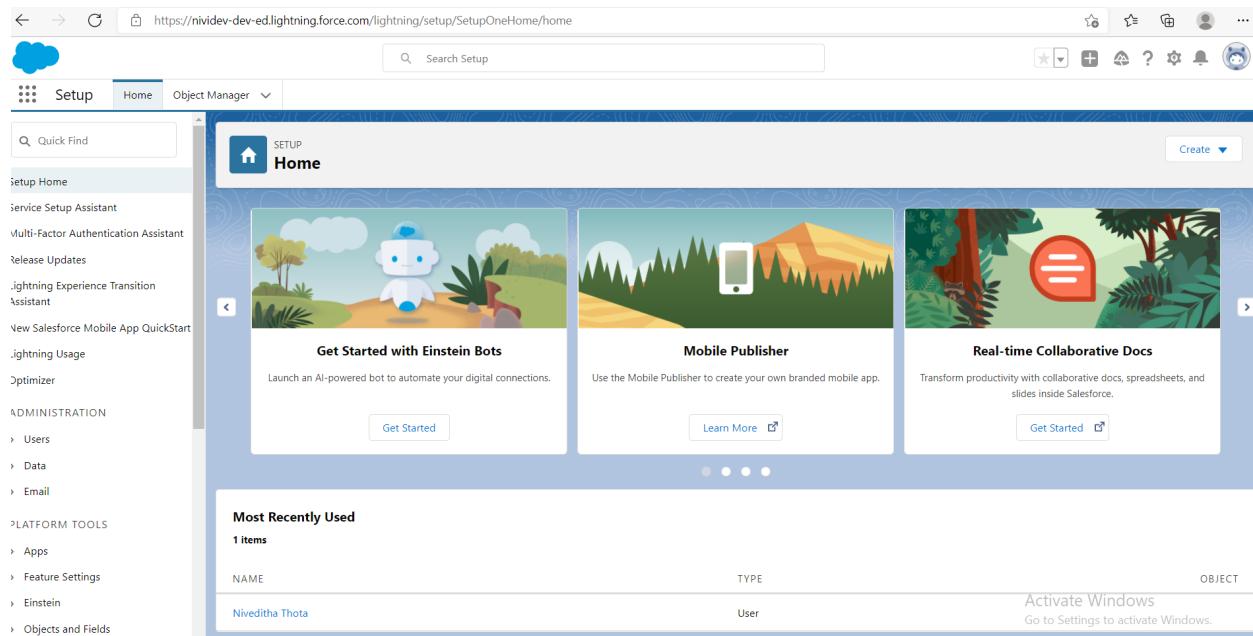
**Description:** I entered developer.salesforce.com site and we need to sign in by entering the required details.

### 2)Account Activation

**Description:** activated the account by verifying the email.

### 3)Login in to your Salesforce account-Salesforce login

**Description:** successfully logged into salesforce account by entering the username and password.



Here is my new salesorce logged in account it which is new org.

## Day 2:

## **Topic: Custom object Creation**

### **Milestones/Activities:**

#### **Topics:**

### **1)Create The custom object For the Application**

**Description:** In this firstly I have created the application name as Online training management system.

So the application will be created by in setup-->quickfind-->app manager-->click on new lightning app so by entering the required information the application will be created by the name Online Training Management.

next after the creation in that we need to create the custom objects for the applications.

-->To craete the custom object we need to go to object manager in that click on cutom object then new and create the custom objects.

-->The custom objects are as follows:

- 1.Course
- 2.Trainer
- 3.Student
- 4.Meeting
- 5.Batch Scheduling

### **2)Create custom fields on course object**

Created the custom fields on course. To create the fields on course goto-->object manager-->select the "course"-->select "fields"-->click "new"

The fields on course are as follows :

- 1)Course ID -- Auto number {C-000000}
- 2)Course Name -- Text(16)
- 3)Course Fee -- Currency
- 4)Course Description -- text
- 5)Course Category -- Picklist

### **3)Create custom fields on trainer object**

- 1)Age -- Formula(Number)
- 2)Date of birth -- Date
- 3>Email -- Email
- 4)Experience -- Picklist
- 5)Expertise -- Picklist
- 6)Full Name -- Text
- 7)LinkedIn profile -- URL

- 8)Phone Number -- Phone
- 9)Trainer ID -- Auto Number
- 10)WhatsApp Number -- Phone

#### **4)Create Custom Fields on Student Object**

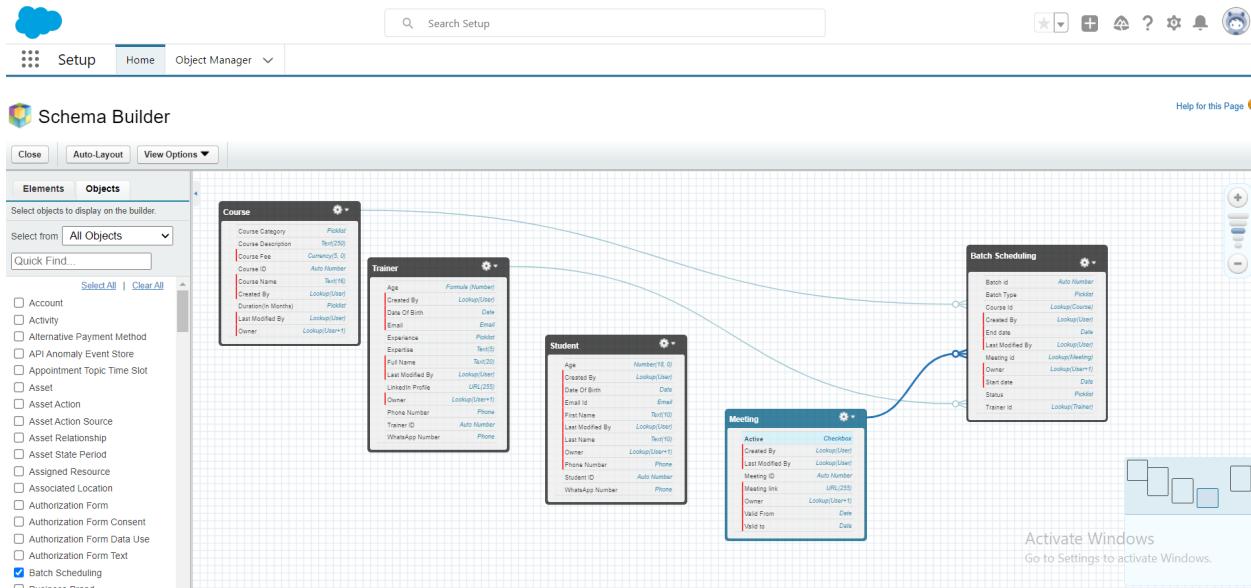
- 1)Age -- Numver
- 2)Date of birth -- Date
- 3>Email Id -- Email
- 4)First Name -- Text
- 5>Last Name -- Text
- 6)Phone Number -- Phone
- 7)Student ID -- Auto Number
- 8)WhatsApp Number -- Phone

#### **5)Create Custom Fields on Meeting Object**

- 1)Meetin ID -- Auto Number
- 2)Meetin Link -- URL
- 3)Valid From -- Date
- 4)Valid To -- Date

#### **6)Create Custom Fields On Batch Object**

- 1)Batch id -- Auto Number
- 2)Batch Type -- Picklist
- 3)Course Id -- Lookup(Course)
- 4)End date -- Date
- 5)Meetin id -- Lookup(Meeting)
- 6)Start date -- Date
- 7>Status -- Picklist
- 8)Trainer id -- Lookup(Trainer)



Here as mentioned in above picture all the objects and for that fields has been created.

## Day 3:

### Topic: Create Validation Rules

#### Milestones/Activities:

#### Topics:

#### 1)Create Validation Rules On Course Object:

#### Description :

To create the validation rule for the course object goto object manager --> select "course"-> select "validation rules" -->click "new".

Rule Name: Course\_Fee\_Validation\_Rule

Error Condition Formula : Course\_Fee\_c<0&&Course\_Fee\_c>=3000

Error Meesage : Course Fee should not be less than zero and cannot be greater than 3000

Error Location : Course Fee

The screenshot shows the Salesforce Setup interface under the Object Manager section for the 'Course' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Course Validation Rule' and displays the 'Validation Rule Detail'. The rule is named 'Course\_Fee\_validation\_Rule'. The error condition formula is 'Course\_Fee\_\_c<0 && Course\_Fee\_\_c>=3000'. The error message is 'Course Fee should not be less than zero and cannot be greater than 3000'. The rule is marked as Active. The 'Edit' and 'Clone' buttons are visible at the top right of the detail pane.

As mentioned in the above picture the validation rule for course object is successfully created.

## 2)Create Validation Rules On Trainer Object

### Description:

#### 1)WhatsApp Number:

**Rule Name:** WhatsApp\_Number

**Error Condition Formula:** NOT(REGEX(WhatsApp\_Number\_\_c,"[0-9]{10,15}"))

**Error Message:** WhatsApp number should be minimum 10 and maximum of 15 digits.

The screenshot shows the Salesforce Setup interface under the Object Manager section for the 'Trainer' object. The sidebar includes options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area is titled 'Trainer Validation Rule' and displays the 'Validation Rule Detail'. The rule is named 'WhatsApp\_Number'. The error condition formula is 'NOT(REGEX(WhatsApp\_Number\_\_c, "[0-9]{10,15}"))'. The error message is 'WhatsApp number should be minimum 10 and maximum of 15 digits'. The rule is marked as Active. The 'Edit' and 'Clone' buttons are visible at the top right of the detail pane.

As mentioned in the above picture the validation rule of object Trainer field WhatsApp Number is successfully created.

#### 2)Trainer Age:

**Rule Name:** Trainer\_Age\_Validation\_Rule

**Error Condition Formula:** Age\_\_c<25

**Error Message:** Trainer age should not be less than 5

**Error Location :** Date Of Birth

SETUP > OBJECT MANAGER  
Trainer

**Trainer Validation Rule**

**Validation Rule Detail**

Rule Name	Trainer_Age_Validation_Rule	Active	✓
Error Condition Formula	Age__c < 25	Error Location	Date Of Birth
Error Message	Trainer age should not be less than 25	Description	
Created By	Niveditha Thota	Modified By	Niveditha Thota

Help for this Page ?

As mentioned in the above picture the validation rule for object Trainer field Trainer age is successfully created.

### 3)Phone Number:

Rule Name: *Phone\_Valodation\_Rule*

Error Condition Formula: *ISBLANK(Phone\_Number\_\_c)*

Error Message: *Phone number cannot be blank*

Error Location: *Phone Number*

SETUP > OBJECT MANAGER  
Trainer

**Trainer Validation Rule**

**Validation Rule Detail**

Rule Name	Phone_Valodation_Rule	Active	✓
Error Condition Formula	ISBLANK(Phone_Number__c)	Error Location	Phone Number
Error Message	Phone number cannot be blank	Description	
Created By	Niveditha Thota	Modified By	Niveditha Thota

Help for this Page ?

As mentioned in the above picture the validation rule for object Trainer filed Phone number is successfully created

### 4)Date of birth:

Rule Name: *Date\_of\_birth\_Validation\_Rule*

Error Condition Formula: *ISBLANK(Date\_Of\_Birth\_\_c)*

Error Message: *Date of birth cannot be blank*

Error Location: *Date Of Birth*

The screenshot shows the Salesforce Setup interface for the 'Trainer' object. On the left, a sidebar lists various object settings like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Trainer Validation Rule' and shows the configuration for a validation rule named 'Date\_of\_birth\_Validation\_Rule'. The rule checks if the 'Date Of Birth' field is blank ('ISBLANK( Date\_of\_Birth\_\_c )') and displays the message 'Date of birth cannot be blank'. The rule is active and was created by Niveditha Thota on 1/4/2022 at 7:30 AM.

As mentioned in the above picture the validation rule for the object Trainer field date of birth is successfully created

## 5)Full Name:

*Rule Name:Full\_Name\_Validation\_Rule*

*Error Condition Formula:ISBLANK(Full\_Name\_\_c)*

*Error Message:Full Name cnot be blank*

*Error Location:Full Name*

The screenshot shows the Salesforce Setup interface for the 'Trainer' object. The sidebar includes options like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Trainer Validation Rule' configuration. The rule is named 'Full\_Name\_Validation\_Rule' and checks if the 'Full Name' field is blank ('ISBLANK( Full\_Name\_\_c )'). It displays the message 'Full Name cannot be blank'. The rule is active and was created by Niveditha Thota on 1/4/2022 at 7:26 AM.

As mentioned in the above picture the validation rule or the object Trainer filed Full Name is successfully created

## 6)Phone Number:

*Rule Name:Phone\_number\_validation\_Rule*

*Error Condition Formula:NOT(REGEX(Phone\_Number\_\_c , "[0-9]{10,15}"))*

*Error Message:Phone number should be minimum 10 digits and maximum of 15 digits*

*Error Location:Phone Number*

The screenshot shows the Salesforce Setup interface for the 'Trainer' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, and Validation Rules. The main content area is titled 'Trainer Validation Rule' and displays the 'Validation Rule Detail' for the 'Phone\_number\_Validation\_Rule'. The rule is active and has the formula `NOT(REGEX(Phone_Number__c, "[0-9]{10,15}"))`. The error message is 'Phone number should be Minimum 10 digits and Maximum of 15 digits'. The 'Edit' and 'Clone' buttons are visible at the top right of the detail pane.

As mentioned in the above picture the validation rule for object Trainer field Phone number is successfully created.

### 3)Create Validation Rules On Student Object:

#### Description:

#### 1)Last Name:

*Rule Name: Last\_Name\_Validation\_Rule*

*Error Condition Formula: ISBLANK(Last\_Name\_\_c)*

*Error Message:Last Name cannot be blank*

*Error Location:Last Name*

The screenshot shows the Salesforce Setup interface for the 'Student' object. Similar to the previous screenshot, it shows the validation rule for the 'Last Name' field. The rule is active and has the formula `ISBLANK(Last_Name__c)`. The error message is 'Last Name cannot be blank'. The 'Edit' and 'Clone' buttons are visible at the top right of the detail pane.

As mentioned in the above picture the validation for object Student for field Last Name is successfully created.

#### 2)Phone Number:

*Rule Name:Phone\_number\_Rule*

*Error Condition Formula:NOT(REGEX(Phone\_Number\_\_c , "[0-9]{10}"))*

*Error Message:phone number should be minimum 10 digits*

*Error Location:Phone Number*

The screenshot shows the Salesforce Object Manager interface for the 'Student' object. On the left, a sidebar lists various object settings like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Validation Rule Detail' for a record named 'Phone\_number\_Rule'. The details shown are:

Field	Value
Rule Name	Phone_number_Rule
Error Condition Formula	NOT(REGEX(Phone_Number__c , "[0-9]{10}"))
Error Message	phone number should be minimum 10 digits
Description	
Created By	Niveditha Thota, 1/4/2022, 7:45 AM
Active	✓
Error Location	Phone Number
Modified By	Niveditha Thota, 1/5/2022, 2:53 AM

As mentioned in the above picture the validation rule for object Student for field Phone Number is successfully created.

### 3)Age:

*Rule Name:Student\_age\_validation\_rule*

*Error Condition Formula : Age\_\_c<16*

*Error Message:student should be minimum 16 years of age*

*Error Location:Age*

The screenshot shows the Salesforce Object Manager interface for the 'Student' object. On the left, a sidebar lists various object settings like Details, Fields & Relationships, Page Layouts, etc. The main area displays the 'Validation Rule Detail' for a record named 'Student\_age\_validation\_rule'. The details shown are:

Field	Value
Rule Name	Student_age_validation_rule
Error Condition Formula	Age__c < 16
Error Message	student should be minimum 16 years of age
Description	
Created By	Niveditha Thota, 1/4/2022, 7:51 AM
Active	✓
Error Location	Age
Modified By	Niveditha Thota, 1/4/2022, 7:51 AM

As mentioned in the above picture the validation rule for object Student for field Age is successfully created.

### 4)WhatsApp Number:

*Rule Name:WhatsApp\_Rule*

*Error Condition Formula:NOT(REGEX(WhatsApp\_Number\_\_c , "[0-9]{10}"))*

*Error Message:WhatsApp Number should be minimum 10 digits*

## Error Location: WhatsApp Number

The screenshot shows the Salesforce Object Manager interface for the 'Student' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area displays a 'Validation Rule Detail' for a rule named 'WhatsApp\_Rule'. The rule's details are as follows:

Field	Value
Rule Name	WhatsApp_Rule
Error Condition Formula	NOT(REGEX(WhatsApp_Number__c, "[0-9]{10}"))
Error Message	WhatsApp Number should be minimum 10 digits
Description	
Created By	Niveditha Thota, 1/4/2022, 7:47 AM
Active	✓
Error Location	WhatsApp Number
Modified By	Niveditha Thota, 1/4/2022, 7:47 AM

As mentioned in the above picture the validation rule for object Student of field WhatsApp Number is successfully created.

## 4)Create Validation Rules On Meeting Object:

### Description:

#### 1)Valid To:

Rule Name:Valid\_to\_rule

Error Condition Formula:Valid\_to\_\_c < Valid\_From\_\_c

Error Message:Valid to cannot be less than Valid from

Error Location:Valid to

The screenshot shows the Salesforce Object Manager interface for the 'Meeting' object. On the left, a sidebar lists various configuration options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, and Record Types. The main content area displays a 'Validation Rule Detail' for a rule named 'Valid\_to\_rule'. The rule's details are as follows:

Field	Value
Rule Name	Valid_to_rule
Error Condition Formula	Valid_to__c < Valid_From__c
Error Message	Valid to Cannot be less than Valid from
Description	
Created By	Niveditha Thota, 1/4/2022, 7:54 AM
Active	✓
Error Location	Valid to
Modified By	Niveditha Thota, 1/5/2022, 3:12 AM

As mentioned in the above picture the validation rule for object Meeting of field Valid to is successfully created.

#### 2)Valid From:

Rule Name:valid\_from\_rule

*Error Condition Formula:Valid\_From\_\_c<TODAY()*

*Error Message:Valid From should not be less than current date.*

*Error Location:Valid From*

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

- Object Manager:** Meeting
- Validation Rule Detail:**
  - Rule Name: valid\_from\_rule
  - Error Condition Formula: Valid\_From\_\_c < TODAY()
  - Error Message: Valid From should not be less than current date
  - Description: Created By Niveditha Thota, 1/4/2022, 7:53 AM
  - Active: ✓
  - Error Location: Valid From
  - Modified By: Niveditha Thota, 1/4/2022, 7:53 AM

As mentioned in the above picture the validation rule for object Meeting for field Valid from is successfully created.

### 3)Difference (valid from to valid to rule):

*Rule Name:Difference\_valid\_from\_to\_valid\_to\_rule*

*Error Condition Formula:Valid\_to\_\_c-Valid\_From\_\_c<14*

*Error Message:Minimum 14 days difference should be in between valid from and valid to.*

*Error Location:Valid to*

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

- Object Manager:** Meeting
- Validation Rule Detail:**
  - Rule Name: Difference\_valid\_from\_to\_valid\_to\_rule
  - Error Condition Formula: Valid\_to\_\_c - Valid\_From\_\_c < 14
  - Error Message: Minimum 14 days difference should be in between valid from and valid to
  - Description: Created By Niveditha Thota, 1/4/2022, 7:56 AM
  - Active: ✓
  - Error Location: Valid to
  - Modified By: Niveditha Thota, 1/4/2022, 7:56 AM

As mentioned in the above picture the validation rule for the object Meeting for field valid to is successfully created.

## Day:4

### Topic:Setup Relationship between the objects

#### Milestones/Activities:

created the realtion ship between the course trainer by creating the new junction object which is labeled as Course trainer.Its builds an relation between the them . And create a new object field "Student Enrollment" to keep the relation between the student and

student enrollment. And created the relationship between the Meeting to Batch Scheduling. In this batch scheduling is related with the Meeting.

Batch Scheduling to Student Enrollment. Here batch scheduling is related with the student enrollment.

And Student enrollment is related with Student.

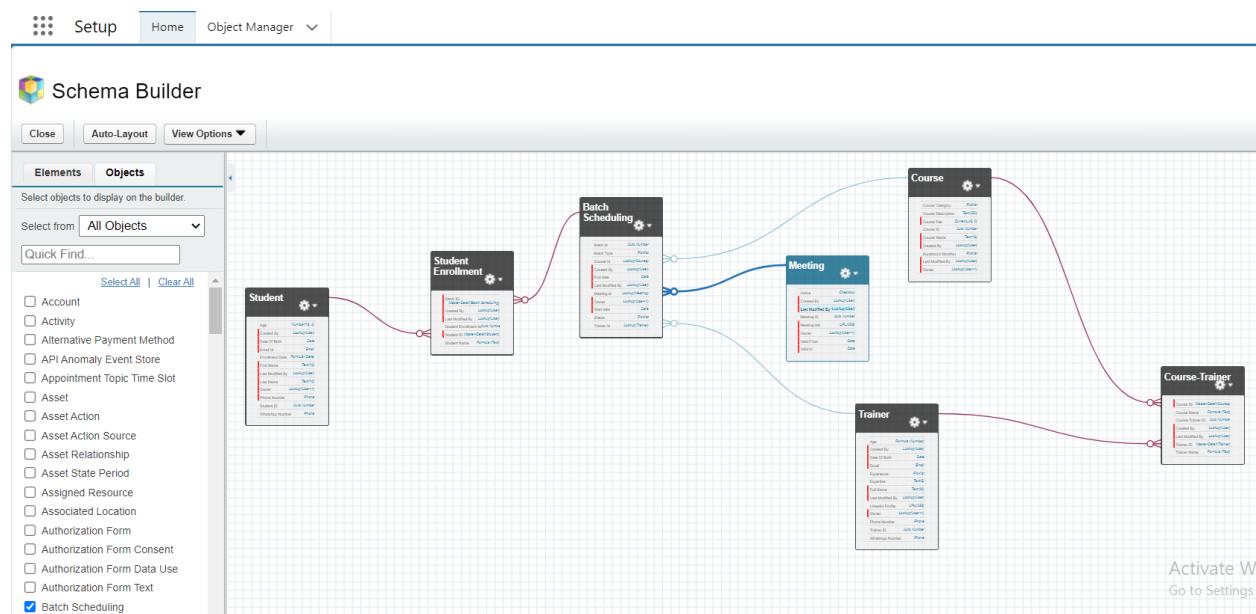
Here there are two relations which are indicated with the two colors in the below picture.

Blue line--Lookup-Relationship

Brown color line --Master Detail Relationship

To ensure more clearly we can see the below "SCHEMA BUILDER" picture.

## SCHEMA BUILDER PICTURE:



As we have seen in the above picture it shows the clear picture of relation between the objects.

## Topic: Automation rules

### Milestones/Activities:

#### 1) Created Automation rule on Course Object:

#### Description:

To create that first we need to create a neat and clear "classic letter head"

Letterhead Label: Custom Letter Head

Letterhead Unique Name: Custom\_Letter\_Head

To ensure more clearly see the picture is added below more clearly.

**SETUP**

**Classic Letterheads**

Letterhead  
Custom Letter Head

Preview your Letterhead details below.

**Classic Letterhead Detail**

Letterhead Label	Custom Letter Head	<a href="#">Edit Properties</a>
Letterhead Unique Name	Custom_Letter_Head	<a href="#">Edit Letterhead</a>
Available For Use	<input checked="" type="checkbox"/>	<a href="#">Delete</a>
Description		
Created By	Niveditha Thota	1/7/2022, 10:15 PM
Modified By	Niveditha Thota	1/7/2022, 10:22 PM

 Online Training

Activate Windows  
Go to Settings to activate Windows.

**SETUP**

**Classic Letterheads**



Activate Windows  
Go to Settings to activate Windows.

As we have seen in the above picture the Classic letter is created successfully.

### Create a new email template:

#### Description:

Create a new email template

Folder: Unified Public Classic Email Templates

Email Template Name: New Course Confirmation Email Template

Template Unique Name :New\_Course\_Confirmation\_Email\_Template

Classic Letterhead:Custom Letter Head

Email Layout:Formal Letter

To ensure more clearly added the picture below

**SETUP**

**Classic Email Templates**

Email Template Send Test and Verify Merge Fields

Subject Course Added Successfully

HTML Preview

Dear {!Course\_\_c.OwnerFullName},

Activate Windows  
Go to Settings to activate Windows.

**SETUP**

**Classic Email Templates**

Dear {!Course\_\_c.OwnerFullName},

This is to update that courses registered by you added successfully in company database.

You can check details here:  
{!Course\_\_c.Link}

Thanks

Online training team

Plain Text Preview

Activate Windows  
Go to Settings to activate Windows.

*As it is mentioned in the above picture enter the details to sent the confirmation mail to "owner".*

**Create an Email alert:**

**Description:**

*Email alert to course record owner*

**SETUP**

## Email Alerts

Email Alert  
Email alert to course record owner

« Back to List: Documents

[Rules Using This Email Alert \(0\)](#) | [Approval Processes Using This Email Alert \(0\)](#) | [Entitlement Processes Using This Email Alert \(0\)](#)

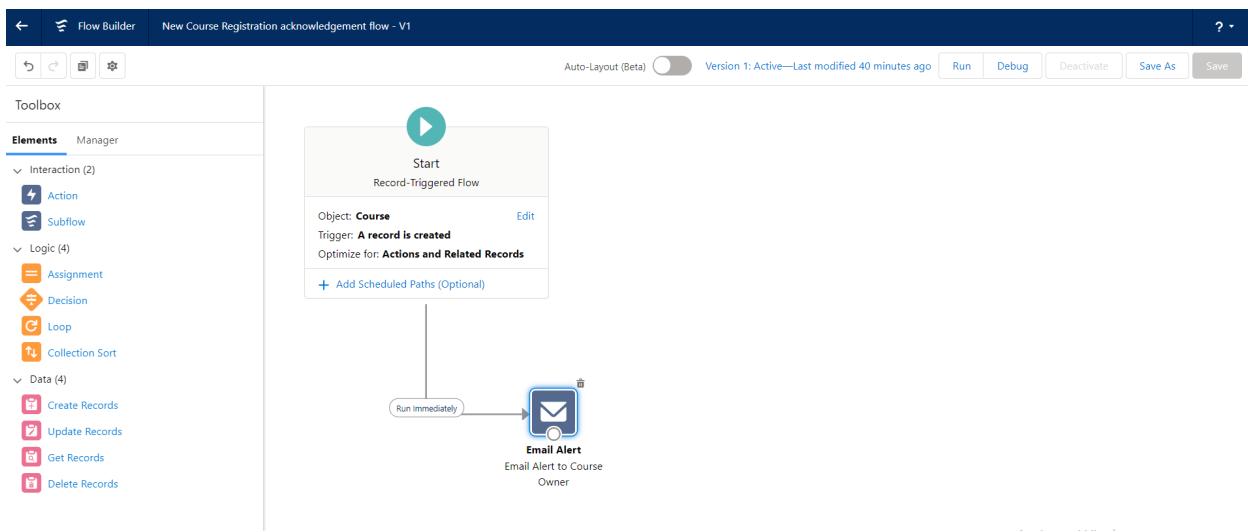
**Email Alert Detail**

Description	Email alert to course record owner	Email Template	New_Course_Confirmation_Email_Template
Unique Name	Email_alert_to_course_record_owner	Object	Course
From Email Address	Current User's email address		
Recipients	Course Owner		
Additional Emails			
Created By	Niveditha Thota, 1/7/2022, 10:37 PM	Modified By	Niveditha Thota, 1/7/2022, 10:37 PM

[Edit](#) [Delete](#) [Clone](#)

[Edit](#) [Delete](#) [Clone](#)

## Create a Flow :



Got an confirmation email successfully:

Course Added Successfully

NT Niveditha Thota <thotaniveditha2@gmail.com>  
12:12 PM

To: thotaniveditha2@gmail.com

Online  
Training

Dear Niveditha Thota,

This is to update that courses registered by you added successfully in company database.

You can check details here:

<https://nividev-dev-ed.my.salesforce.com/a005j000006TmrK>

Thanks

Online training team

Activate Windows  
Go to Settings to activate Windows.

Course Added Sccessfully. Successfully got an confirmation email.

## 2)Created Automation rule on Trainer object:

### Description:

In this I have created an email automation rule on trainer object to send the acknowledgement email to trainer every time they registered.

So to create this we need to create the seperate "email template" for trainer obejct.

### Email Template:

Folder:Unified Public Classic Email Templates

Email Template Name:Training Confirmation email template

Template Unique Name:Training\_Confirmation\_email\_template

Classic Letterhead:Custom Letter Head

Email Layout:Formal Letter

**SETUP** Classic Email Templates

HTML Email Template  
Training Confirmation email template

Preview your email template below.

Email Template Detail

Folder:	Unfiled Public Classic Email Templates	<a href="#">Edit Properties</a>	<a href="#">Edit HTML Version</a>	<a href="#">Edit Text Version</a>	<a href="#">Delete</a>	<a href="#">Clone</a>	
Email Template Name:	Training_Confirmation_email_template	Available For Use <input checked="" type="checkbox"/>					
Template Unique Name:	Training_Confirmation_email_template	Last Used Date					
Classic Letterhead:	Custom Letter Head	Times Used					
Email Layout:	Formal Letter						
Encoding:	Unicode (UTF-8)						
Author:	Niveditha Thota [Change]						
Description:							
Created By:	Niveditha Thota	Created On:	1/8/2022, 5:41 AM	Modified By:	Niveditha Thota	Modified On:	1/8/2022, 5:41 AM
		<a href="#">Edit Properties</a>	<a href="#">Edit HTML Version</a>	<a href="#">Edit Text Version</a>	<a href="#">Delete</a>	<a href="#">Clone</a>	

**SETUP** Classic Email Templates

Email Template

[Send Test and Verify Merge Fields](#)

**Subject** | Training confirmation email

**HTML Preview**

Online Training

Dear {!Class\_Batch\_Scheduling\_\_c.Trainer\_Name\_\_c}

This is to inform you that we are going to start a new batch on {!Class\_Batch\_Scheduling\_\_c.Course\_Name\_\_c} from {!Class\_Batch\_Scheduling\_\_c.Start\_date\_\_c}.

Batch details are as below:

Batch ID:{!Class\_Batch\_Scheduling\_\_c.Name}  
 Batch Start Date:{!Class\_Batch\_Scheduling\_\_c.Start\_date\_\_c}  
 Batch End Date: {!Class\_Batch\_Scheduling\_\_c.End\_date\_\_c}  
 Batch Type:{!Class\_Batch\_Scheduling\_\_c.Batch\_Type\_\_c}  
 Meeting URL to connect:{!Class\_Batch\_Scheduling\_\_c.Meeting\_URL\_\_c}  
 Course Name:{!Class\_Batch\_Scheduling\_\_c.Course\_Name\_\_c}  
 Course Category:{!Class\_Batch\_Scheduling\_\_c.Course\_Category\_\_c}

So as it is mentioned in the above picture the email template is created for the trainer

object.

### Create an Email Alert:

#### Description:

Description: Training Information email alert

Unique Name: Training\_Information\_email\_alert

Email Template: Training Confirmation email template

Object: Batch Scheduling

From Email Address: Current User's email address

Recipients: Email Field: Trainer Email

The screenshot shows the 'Email Alerts' section under 'SETUP'. A specific email alert named 'Training Information email alert' is selected. The details include:

- Description: Training Information email alert
- Unique Name: Training\_Information\_email\_alert
- From Email Address: Current User's email address
- Recipients: Email Field: Trainer Email
- Email Template: Training Confirmation email template
- Object: Batch Scheduling
- Created By: Nivedita Thota (1/8/2022, 5:55 AM)
- Modified By: Nivedita Thota (1/8/2022, 5:55 AM)

### Create a Flow:

The screenshot shows the 'Flow Builder' interface for a flow named 'Training Confirmation email - V1'. The flow consists of two main components:

- A 'Start Record-Triggered Flow' element with the following properties:
  - Object: Batch Scheduling
  - Trigger: A record is created
  - Optimize for: Actions and Related Records
- An 'Email Alert' element labeled 'Email Alert Training Confirmation Email Alert'.

The flow starts with the 'Record-Triggered Flow' element, which then connects to the 'Email Alert' element. The 'Email Alert' element has a 'Run immediately' action associated with it.

### Got an confirmation email:



# Online Training

Dear Narayana

This is to inform you that we are going to start a new batch on Python Developer from 1/8/2022.

Batch details are as below:

Batch ID:B-000002

Batch Start Date:1/8/2022

Batch End Date: 2/20/2022

Batch Type:Weekday

Meeting URL to connect:<https://zoom meeting course>

Course Name:Python Developer

Course Category:Web Development

Please feel free to connect us if having any issues.

Thanks and Regards.

[Activate Window](#)

[Go to Settings to activ](#)

### 3)Created Automation rule on Meeting object:

#### Description:

**Send a reminder email to record owner of meeting object informing him/her that meeting is going to end in next 2days**

**Auto update meeting record status and set it to inactive after 1 day after due date(only if status is Active)**

## Create an Email Template:

*Folder:Unified Public Classic Email Templates*

*Email Template Name:Meeting End Date remainder email template*

*Template Unique Name:Meeting\_End\_Date\_remainder\_email\_template*

*Classic Letterhead:Custom Letter Head*

*Email Layout:Formal Letter*

The screenshot shows a software interface for managing email templates. At the top, there's a header bar with a 'SETUP' icon and the title 'Classic Email Templates'. Below the header, the template name 'Meeting End Date remainder email template' is displayed. A note says 'Preview your email template below.' To the right, there's a 'Help for this Page' link with a yellow info icon.

**Email Template Detail**

Field	Value	Action
Folder	Unified Public Classic Email Templates	<a href="#">Edit Properties</a> <a href="#">Edit HTML Version</a> <a href="#">Edit Text Version</a> <a href="#">Delete</a> <a href="#">Clone</a>
Email Template Name	Meeting_End_Date_remainder_email_template	
Template Unique Name	Meeting_End_Date_remainder_email_template	
Classic Letterhead	Custom Letter Head	
Email Layout	Formal Letter	
Encoding	Unicode (UTF-8)	
Author	Niveditha Thota [Change]	
Description		
Created By	Niveditha Thota 1/8/2022, 4:57 AM	
Available For Use	<input checked="" type="checkbox"/>	
Last Used Date		
Times Used		
Modified By	Niveditha Thota 1/8/2022, 4:57 AM	

At the bottom of the table, there are four buttons: 'Edit Properties', 'Edit HTML Version', 'Edit Text Version', 'Delete', and 'Clone'.

**SETUP**

## Classic Email Templates

Email Template Send Test and Verify Merge Fields

Subject | Meeting End date is Approaching

HTML Preview



Online Training

Dear {!Meeting\_\_c.OwnerFullName}

This is a reminder email for meeting Id {!Meeting\_\_c.Name} created by you on {!Meeting\_\_c.CreatedDate} whose valid to date is set as {!Meeting\_\_c.Valid\_to\_\_c} is going to expire in next 2 days.

Follow below link to take an action:  
{!Meeting\_\_c.Link}

Kindly update the status on time.

Thanks and regards.

**Email Alert:**

Description:Meeting Expiry date reminder email alert

Unique Name:Meeting\_Expiry\_date\_reminder\_email\_alert

Email Template:Meeting End Date remainder email template

Object:Meeting

**From Email Address:** Current User's email address

**Recipients:** Meeting Owner

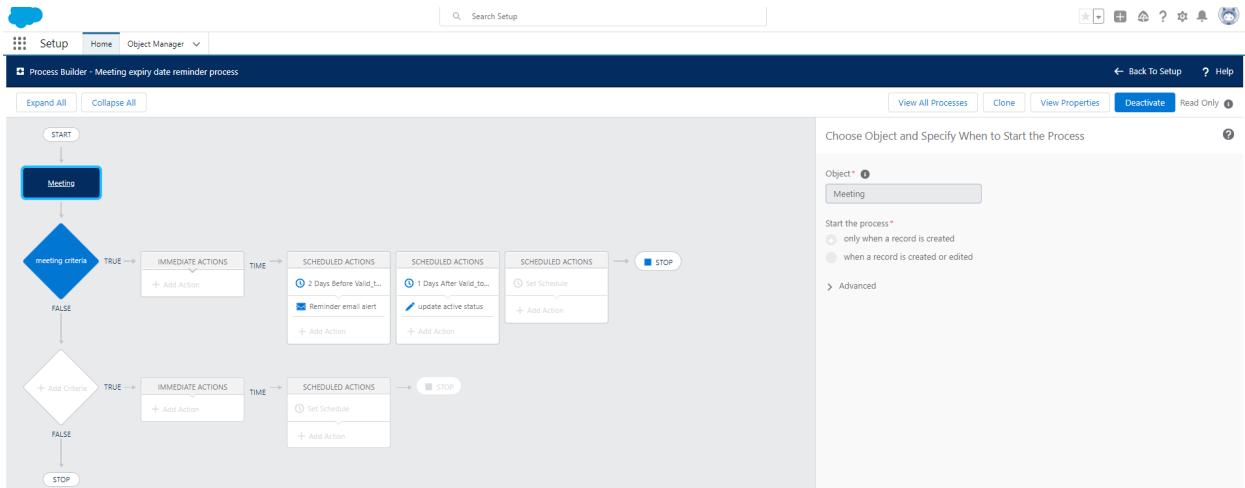
The screenshot shows the 'Email Alerts' section in the Salesforce setup. A specific alert named 'Meeting Expiry date reminder email alert' is selected. The alert details include:

- Description: Meeting Expiry date reminder email alert
- Unique Name: Meeting\_Expiry\_date\_reminder\_email\_alert
- From Email Address: Current User's email address
- Recipients: Meeting Owner
- Additional Emails: None
- Created By: Niveditha Thota, 1/8/2022, 4:58 AM
- Email Template Object: Meeting End Date remainder email template
- Modified By: Niveditha Thota, 1/8/2022, 4:58 AM

## Create Process Builder:

**Description:**

**Step:1**



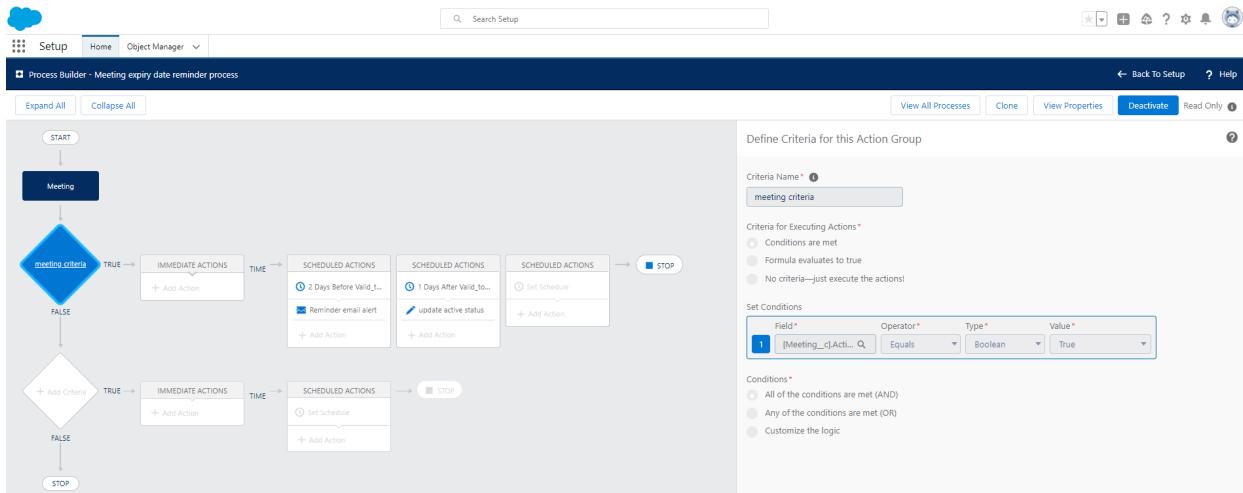
As in the above picture we have created an Process Builder named as "Meeting expiry date reminder process"

Choose Object and speciy when to start the process

Object:Meeting

Start the process: choose "only when a record is created"

**Step:2**



**Field :[Meeting\_c].Active\_c**

**Operator: Equals**

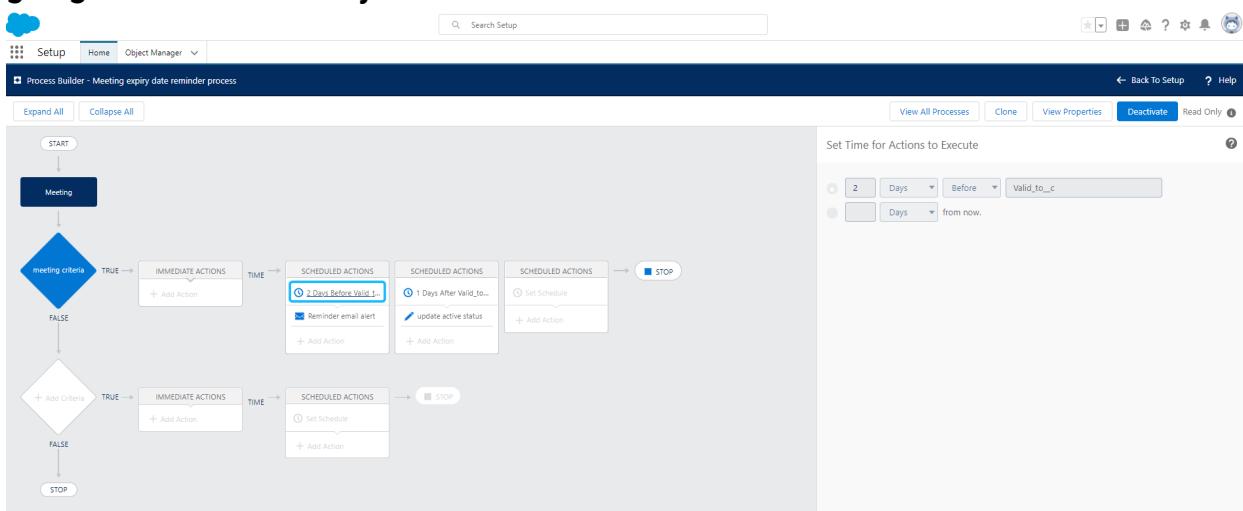
**Type: Boolean**

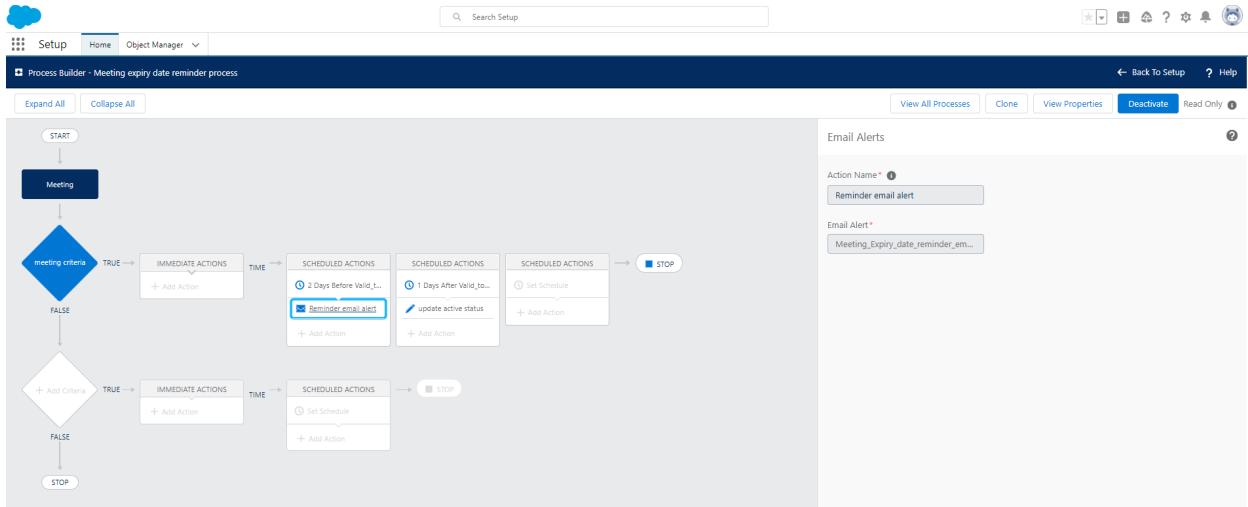
**Value: True**

**Conditions: All of the conditions are met(AND)**

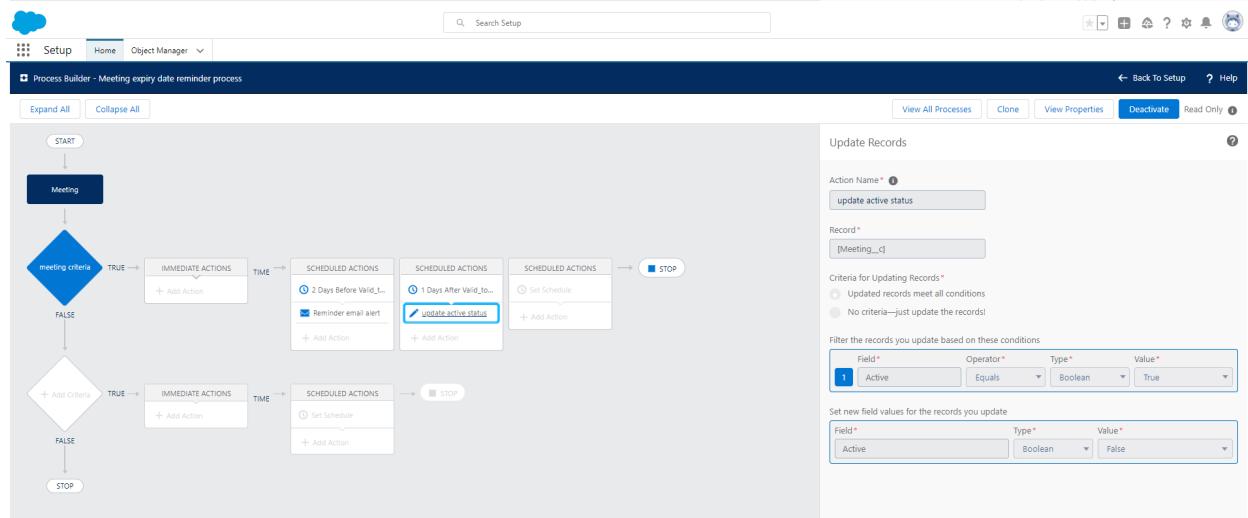
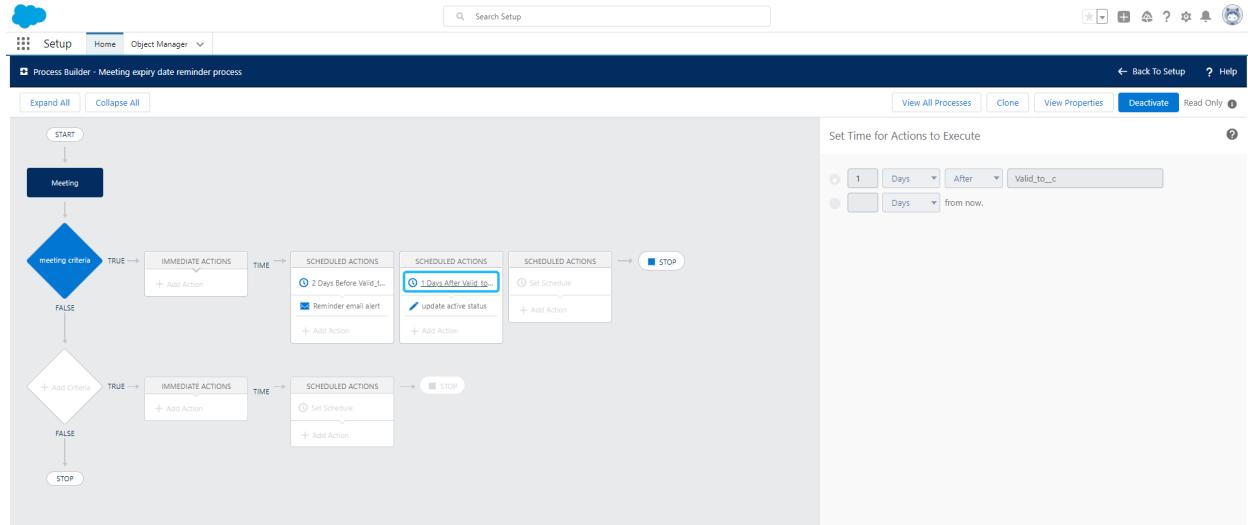
**Set the scheduled actions:**

**1)remainder email to record owner of meeting object informing him/her that meeting is going to end in next 2 days**





## 2) Auto update meeting record status and set it to inactive after 1 day after due date(only if status is Active)



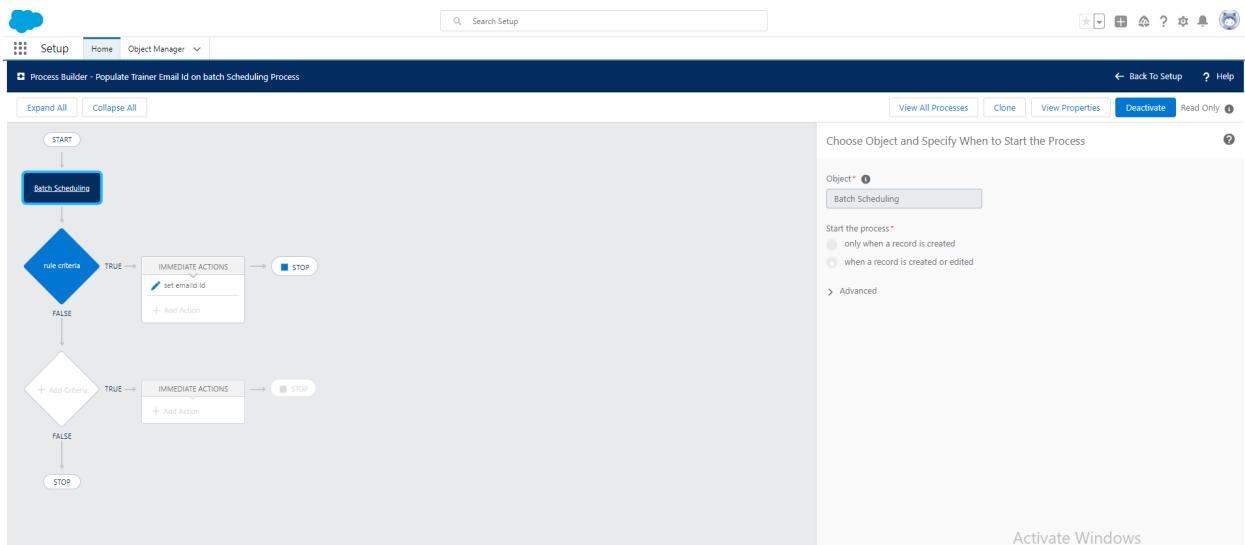
# Topic:Process Automation on Batch Scheduling

## Milestones/Activities:

To populate trainer email id on current object:

### Description:

#### Step1:



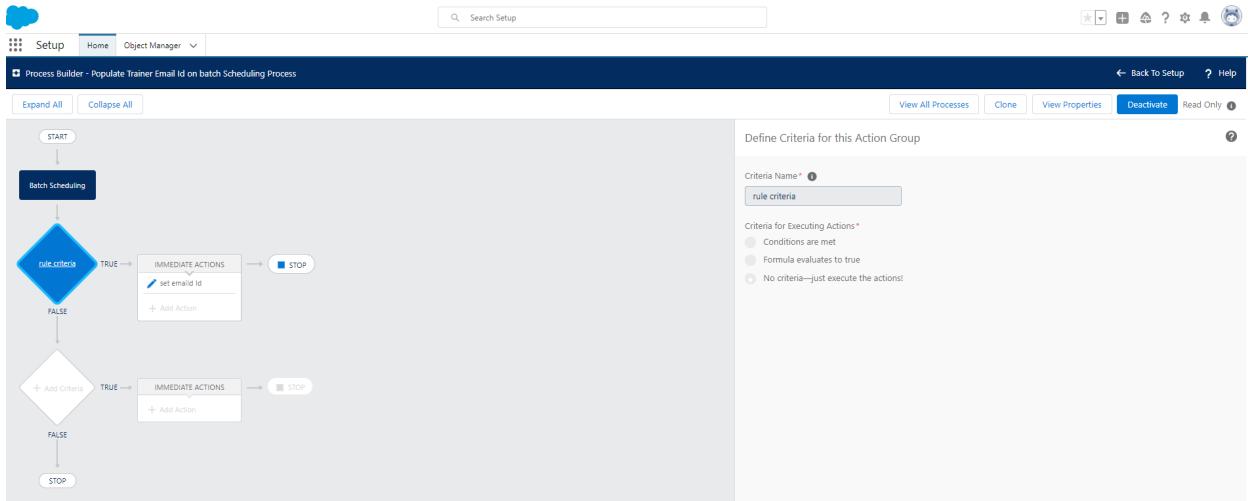
Here we have created the Process Builder named as "Populate Trainer Email Id on batch Scheduling Process"

Choose Object and Specify When to start the Process:

Object:Batch Scheduling

Start the process: choose "when a record is created or edited"

#### Step:2

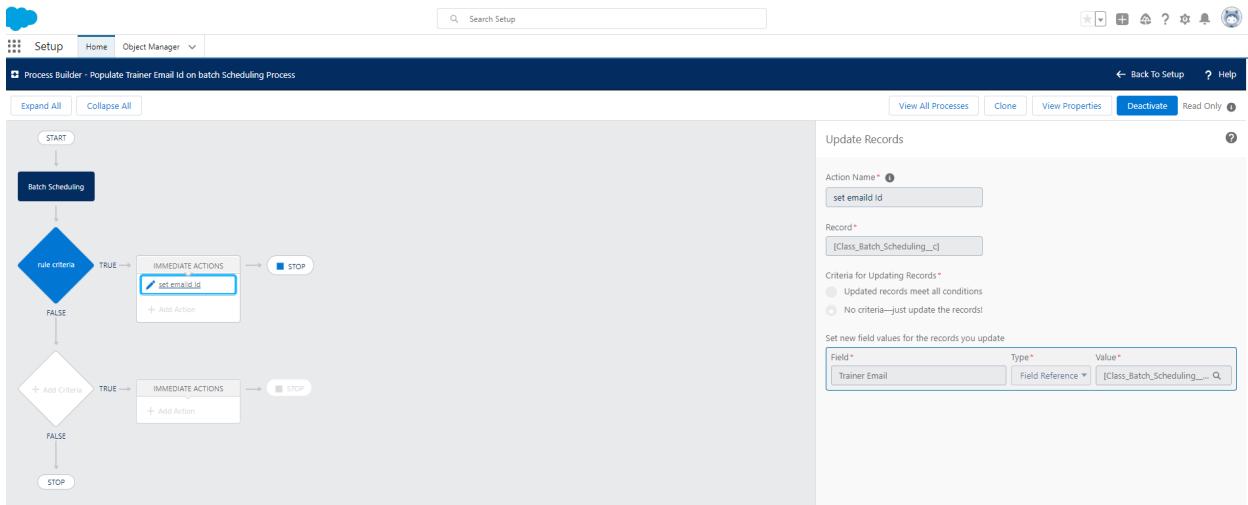


**Define Criteria for this Action Group:**

**Criteria Name:** rule criteria

**Criteria for Executing Actions:** choose "No criteria--just execute the action!"

### Step:3



**Immediate Action**

**Update Records:**

**Action Name:** set email Id

**Record:** [Class\_Batch\_Scheduling\_\_c]

**Criteria for Updating Records:** choose "No criteria--just update the records!"

**Set new field values for the records you update:**

**Field:** Trainer Email

Type:Field Reference

Value: [Class\_Batch\_Scheduling\_c].Trainer\_Id\_\_r.Email\_\_c

## Day:5

### Topic: Creating Work Flow Rules

#### Milestones/Activities:

##### 1)Creating Work Flow Rules on Meeting Object:

#### Description:

1. create work flow rule 1 day after valid to date the active check box will uncheck automatically and inform own

To do that got to setup-->search "workflow rules" select it-->select "meeting" object-->click "next"

object:Meeting

Rule Name:1 day after valid to date the active check box will uncheck automatically and inform owner

Rule Criteria: TODAY()- Valid\_to\_\_c=1

Evaluation Criteria: Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria.

The screenshot shows the 'Workflow Rules' page in the Salesforce setup. A new rule has been created with the following details:

- Rule Name:** 1 day after valid to date the active check box will uncheck automatically and inform owner
- Active:** Checked
- Description:** TODAY()- Valid\_to\_\_c=1
- Created By:** Niveditha Thota, 1/8/2022, 6:25 AM
- Object:** Meeting
- Evaluation Criteria:** Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria
- Modified By:** Niveditha Thota, 1/8/2022, 6:30 AM

By the above picture the rule is created successfully and next we need to add an workflow action.

#### WorkFlow Actions:

select field update

Name:Meeting Update

*Object:Meeting*

*Field to Update:Meeting:Active*

*New field Value:False*

The screenshot shows the 'Field Update Detail' section of the Salesforce setup. A new record is being created with the following details:

Name	Meeting Update
Unique Name	Meeting_Update
Description	
Object	Meeting
Field to Update	Meeting: Active
Field Data Type	Checkbox
Re-evaluate Workflow Rules after Field Change	<input type="checkbox"/>
New Field Value	<input checked="" type="checkbox"/> False

Buttons at the bottom include 'Edit' and 'Delete'.

*2.create work flow rule 1 day before valid to date send a reminder email to owner:*

*setup-->search "workflow" select -->click "new rule" --> select "meeting" object-->click "next"*

*Rule Name: 1 day before valid to date send a reminder email to owner  
object:Meeting*

*Evaluation Criteria:Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria*

*Rule Criteria: Valid\_to\_c-TODAY()=1*

The screenshot shows the 'Workflow Rule Detail' section of the Salesforce setup. A new record is being created with the following details:

Rule Name	1 day before valid to date send a reminder email to owner
Active	<input checked="" type="checkbox"/>
Description	
Rule Criteria	Valid_to_c - TODAY () = 1
Created By	Niveditha Thota

On the right side, there is a summary table:

Object	Meeting
Evaluation Criteria	Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria

Buttons at the top include 'Edit', 'Clone', and 'Deactivate'. Buttons at the bottom include 'Edit', 'Clone', 'Delete', and 'Help for this Page'.

*As mentioned in the picture created the workflow rule and next we need to add the work flow actions.*

**WorkFlow Actions:**

*Select "Email Alert"*

*Description:Meeting email alert to owner*

*Email Template:Meeting End Date reminder email template*

*Recipients:Meeting Owner*

Email Alert  
Meeting email alert to owner

Rules Using This Email Alert [1] | Approval Processes Using This Email Alert [0] | Entitlement Processes Using This Email Alert [0]

**Email Alert Detail**

Description	Meeting email alert to owner
Unique Name	Meeting_email_alert_to_owner
From Email Address	Current User's email address
Recipients	Meeting Owner
Additional Emails	
Created By	Niveditha Thota 1/8/2022, 6:29 AM

**Email Template Object**

Email Template	Meeting_End Date remainder_email_template
Object	Meeting

Modified By Niveditha Thota 1/8/2022, 6:29 AM

**Action Buttons:** Edit | Delete | Clone

As it mentioned in the above picture the workflow rules on "Meeting" object is created successfully.

## Milestones/Activities:

### 2)Create Work Flow Rules On Class/Batch Object:

#### Description:

1)Create work low rule 2 days beore valid to date send a reminder email to owner:

To create that goto setup and search for "worklow rules"-->click on "new rule"-->select "meeting" object-->click "next"

Rule Name:2 days befor valid to date send a reminder email to owner

note:the rule name can be anything

Evaluation Criteria:Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria.

Rule Criteria:Valid\_to\_\_c-TODAY()=2

Workflow Rule  
2 days before valid to date send a reminder email to owner

Help for this Page ?

**Workflow Rule Detail**

Rule Name	2 days before valid to date send a reminder email to owner
Active	✓
Description	
Rule Criteria	Valid_to__c - TODAY() = 2
Created By	Niveditha Thota 1/8/2022, 6:35 AM

**Object Evaluation Criteria**

Object	Meeting
Evaluation Criteria	Evaluate the rule when a record is created, and any time it's edited to subsequently meet criteria

**Action Buttons:** Edit | Clone | Deactivate

As mentioned in the above picture the workflow rule is created and next we need to create the workflow action.

#### WorkFlow Actions:

Description:Rule on Batch scheduling to set the rule 2 days beore valid to date send a reminder email to owner

Recipients:Meeting Owner

The screenshot shows the Salesforce Setup interface under the 'Email Alerts' section. A specific alert named 'Rule\_on\_Batch\_scheduling\_to\_set\_Ulne' is displayed. The alert's description is: 'Rule on Batch scheduling to set the rule 2 days before valid to date send a reminder email to owner'. It uses the 'Meeting' object and the 'Meeting\_End Date remainder\_email\_template' email template. The alert was created by 'Niveditha Thota' on 1/8/2022, 6:37 AM, and modified by the same user on 1/8/2022, 6:37 AM.

As mentioned in the above picture the process automation rule for object "Batch Scheduling" is created successfully.

## Day:6

### Topic:Creating Custom Pages Using Visualforce

#### Milestones/Activities:

### Creating New Course Using Custom Controller

#### Description:

To create the custom pages using visualforce pages goto--->setup-->on quick search type "Visualforce Pages" and select it-->click "new"

Label:Course

Name:Course

The screenshot shows the Salesforce Setup interface under the 'Visualforce Pages' section. A new page named 'Course' is being created. The page detail includes a namespace prefix and a requirement for CSRF protection on GET requests. The page is available for Lightning Experience, Experience Builder sites, and the mobile app. It was created by 'Niveditha Thota' on 1/10/2022, 7:43 AM, and last modified by the same user on 1/8/2022, 11:58 PM.

click on save and click on preview which is shown in the above picture.

When we will click on preview button we will be going to the visual force page "<https://nividev-dev-ed-c.visualforce.com/apex/Course>" that was the link of my page which was created by me for New course object

#### Course Visualforce code:

```

1 <apex:page lightningStylesheets="true" controller="course">
2 </apex:page>
3 <apex:sectionHeader title="New Course"/>
4 <apex:pageMessages /><apex:pageBlock>
5 <apex:pageBlockSection>
6 <apex:inputField value="{!cr.Course_Name__c}"/>
7 <apex:inputField value="{!cr.Course_Fee__c}"/>
8 <apex:inputField value="{!cr.Duration_In_Months__c}"/>
9 <apex:inputField value="{!cr.Course_Description__c}"/>
10 </apex:pageBlockSection>
11 <center><apex:commandButton value="Save" action="{!save}" /></center>
12 </apex:pageBlock>
13 </apex:form>
14 </apex:page>

```

*That is the code for visualforce page code*

### **Course custom controller code:**

```

1 public with sharing class course
2 {
3     public Course__c cr{get;set;}
4     public course()
5     {
6         cr=new Course__c();
7     }
8
9     public void save()
10    {
11        if(cr.Course_Fee__c<0 || cr.Course_Fee__c>3000 )
12        {
13            ApexPages.addmessage(new ApexPages.message(ApexPages.severity.Error, 'Course Fee Should be less Than 3000 and Cannot Be Negative'));
14        }
15        else{
16            insert cr;
17            ApexPages.addmessage(new ApexPages.message(ApexPages.severity.Confirm, 'Record Inserted Successfully'));
18            cr=new Course__c();
19        }
20    }
21 }

```

*After done with code click save button and we will be seeing the new course page.*

The screenshot shows a browser window with the URL [nividev-dev-ed--c.visualforce.com/apex/Course](http://nividev-dev-ed--c.visualforce.com/apex/Course). The page title is "New Course". The form contains four input fields: "Course Name" (with a red asterisk), "Course Category" (dropdown menu), "Course Fee" (with a red asterisk), and "Duration(In Months)" (dropdown menu). Below the form is a "Save" button.

*finally I have created the new course visualforce page.*

*Next if we add the new course the record will get inserted successfully.*

**Course Name:**Salesforce business analyst

**Course Category:**Cloud Computing

Course Fee:1500

Duration in Months:3

The screenshot shows a 'New Course' page in Salesforce. At the top, a green success bar displays the message 'Success: Record Inserted Successfully'. Below the bar, there are four input fields: 'Course Name' (with a red asterisk), 'Course Fee' (with a red asterisk), 'Course Description', and 'Course Category' and 'Duration (In Months)' dropdown menus, both set to '--None--'. A 'Save' button is located at the bottom right of the form.

As we have seen in the above picture the record inserted successfully.

## Milestones/Activities:

### Create New Trainer Using Custom Controller

#### Description:

To create the custom pages using visualforce pages goto-->setup-->on quick search type "Visualforce Pages" and select it-->click "new"

Label:Trainer

Name:Trainer

The screenshot shows the 'Visualforce Pages' setup page. A new page named 'Trainer' has been created. The 'Page Detail' section shows the label 'Trainer', namespace prefix 'Trainer', and a preview of the page content. The preview shows a simple form with fields for 'Full Name', 'Email', 'Phone Number', 'Date of Birth', 'LinkedIn Profile', and 'Expertise'. The page is described as available for Lightning Experience, Experience Builder sites, and the mobile app. It was created by Niveditha Thota on 1/9/2022 at 12:05 AM.

click on save and click on preview which is shown in the above picture.

When we will click on preview button we will be going to the visual force page.

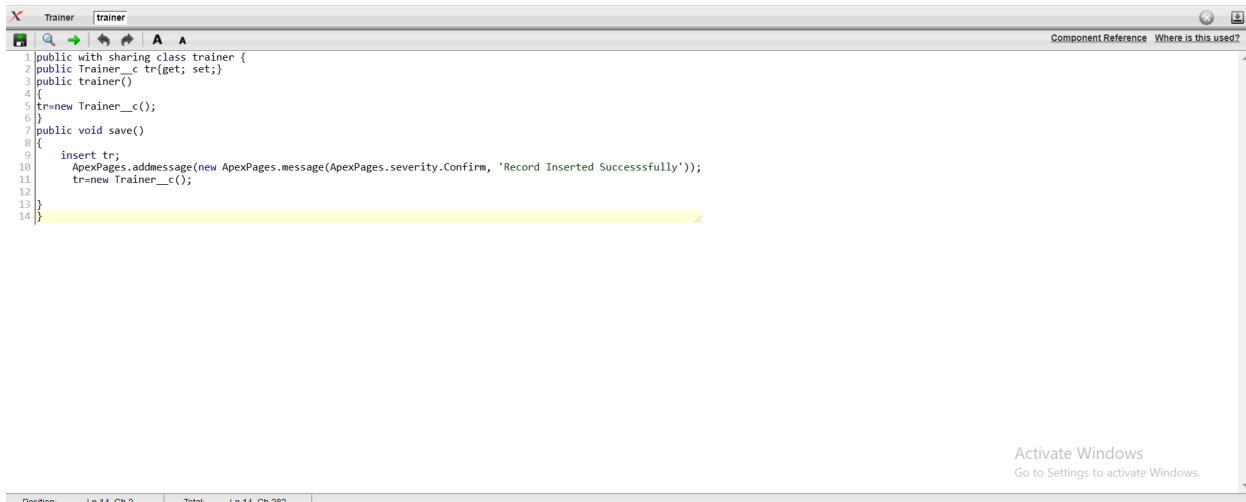
"<https://nividev-dev-ed--c.visualforce.com/apex/Trainer>" that was the link of my page which was created by me for New Trainer object.

#### Course Visualforce code:

```
1 <apex:page lightningStyleSheets="true" controller="Trainer">
2 </apex:page>
3 <apex:form>
4 <apex:sectionHeader title="New Trainer">
5 <apex:messages>
6 <apex:pageBlock>
7 <apex:pageBlockSection title="Trainer">
8 <apex:inputField value="{!tr.Trainee__c}" required="true"/>
9 <apex:inputField value="{!tr.Email__c}" required="true"/>
10 <apex:inputField value="{!tr.Phone_Number__c}" required="true"/>
11 <apex:inputField value="{!tr.Date_of_Birth__c}" required="true"/>
12 <apex:inputField value="{!tr.LinkedIn_Profile__c}" required="true"/>
13 <apex:inputField value="{!tr.Expertise__c}" />
14 <apex:commandButton value="Save" action="{!save}" />
15 </apex:pageBlock>
16 <center><apex:commandButton value="Save" action="{!save}" /></center>
17 </apex:form>
18 </apex:page>
```

*That is the code for visualforce page code*

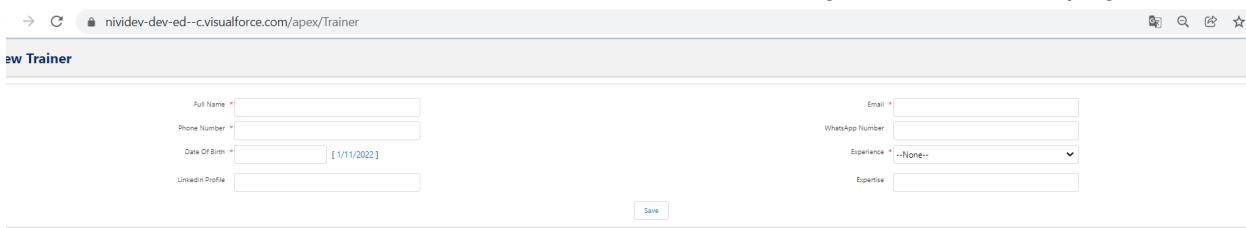
### **Course custom controller code:**



```
public with sharing class Trainer {
    public Trainer__c tr{get; set;}
    public Trainer()
    {
        tr=new Trainer__c();
    }
    public void save()
    {
        insert tr;
        ApexPages.addmessage(new ApexPages.message(ApexPages.severity.Confirm, 'Record Inserted Successfully'));
        tr=new Trainer__c();
    }
}
```

Activate Windows  
Go to Settings to activate Windows.

*After done with code click save button and we will be seeing the new course page.*



The screenshot shows a browser window with the URL [nividev-dev-ed--c.visualforce.com/apex/Trainer](http://nividev-dev-ed--c.visualforce.com/apex/Trainer). The page title is "New Trainer". It contains several input fields: "Full Name" (required), "Phone Number" (required), "Date Of Birth" (with a value of "1/11/2022"), "LinkedIn Profile" (optional), "Email" (required), "WhatsApp Number" (optional), "Experience" (dropdown menu with "None" selected), and "Expertise" (optional). A "Save" button is located at the bottom right of the form.

*finally I have created the new Trainer visualforce page.*

*Next if we add the new Trainer the record will get inserted successfully.*

**Full Name:** Narayana

**Email:** thotanarayana72@gmail.com

**Phone Number:** 1234567800

**WhatsApp Number:** 1234567800

**Date Of Birth:** 12/10/1981

**Experience:** 5

**Expertise:** CRM

✓ Success:  
Record Inserted Successfully

Full Name:   
 Phone Number:   
 Date Of Birth:  [ 1/11/2022 ]  
 LinkedIn Profile:   
 Email:   
 WhatsApp Number:   
 Experience: \* -None-   
 Expense:

**Day:7**

## Topic:Creating Custom Pages Using Visualforce

### Milestones/Activities:

#### Create New Student Using Standard Controller:

##### Description:

Here "Standard Controller" meaning it is auto generated by "salesforce" for all objects.

So before going to create the new student using standard controller we need to first create the "Visualforce page".

setup-->quickfind search "visualforce" select it-->click "new"

Label:Student

Name:Student

SETUP  
Visualforce Pages

Visualforce Page  
Student

Page Detail

Label	Student
Namespace Prefix	
Require CSRF protection on GET requests	<input type="checkbox"/>
Last Modified By	Niveditha Thota 19/2022, 12:10 AM

Available for Lightning Experience, Experience Builder sites, and the mobile app

Name: Student

Created By: Niveditha Thota 19/2022, 12:10 AM

Help for this Page

click on save and click on preview which is shown in the above picture.

When we will click on preview button we will be goign to the visual force page.

"<https://nividev-dev-ed-c.visualforce.com/apex/Student>" that was the link of my page which was created by me for New Student object.

**Student Visualforce code:**

```

1 <apex:page lightningStylesheets="true" standardController="Student__c">
2   <apex:form>
3     <apex:sectionHeader title="New Student"/>
4     <apex:pageBlock>
5       <apex:pageBlockSection>
6         <apex:inputField value="{!Student__c.FirstName__c}"/>
7         <apex:inputField value="{!Student__c.LastName__c}" required="true"/>
8         <apex:inputField value="{!Student__c.EmailId__c}"/>
9         <apex:inputField value="{!Student__c.PhoneNumber__c}"/>
10        <apex:inputField value="{!Student__c.DateOfBirth__c}"/>
11        <apex:inputField value="{!Student__c.WhatsAppNumber__c}"/>
12      </apex:pageBlockSection>
13      <center><apex:commandButton value="Save" action="{!save}" /></center>
14    </apex:pageBlock>
15  </apex:form>
16</apex:page>

```

Activate Windows  
Go to Settings to activate Windows.

This was the code for student visualforce code.

After done with code click save button and we will be seeing the new student page.

## Topic:Creating Custom Pages Using Visualforce

### Milestones/Activities:

### Create New Meeting Using Standard Controller:

#### Description:

Here "Standard Controller" meaning it is auto generated by "salesforce" for all objects.

So before going to create the new student using standard controller we need to first create the "Visualforce page".

setup-->quickfind search "visualforce" select it-->click "new"

Label:Meeting

Name:Meeting

click on save and click on preview which is shown in the above picture.

When we will click on preview button we will be going to the visual force page.

"<https://nividev-dev-ed-c.visualforce.com/apex/Meeting>" that was the link of my page which was created by me for New Meeting object.

#### Meeting Visualforce code:

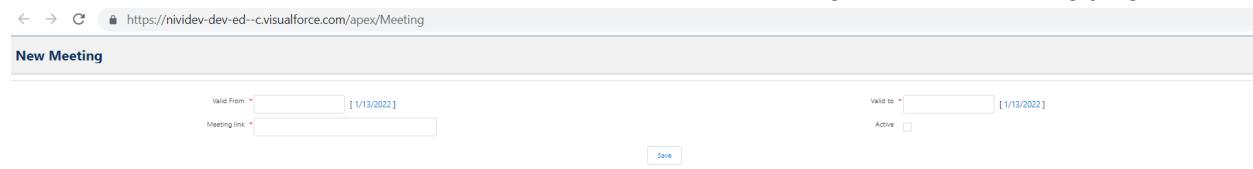
```

1 <apex:page lightningStylesheets="true" standardController="Meeting__c">
2   <apex:sectionHeader title="New Meeting"/>
3   <apex:PageBlock>
4     <apex:PageBlockSection>
5       <apex:inputField value="{!Meeting__c.Valid_From__c}"/>
6       <apex:inputField value="{!Meeting__c.Valid_to__c}"/>
7       <apex:inputField value="{!Meeting__c.Meeting_link__c}"/>
8       <apex:inputField value="{!Meeting__c.Active__c}"/>
9     </apex:PageBlockSection>
10    <center><apex:commandButton value="Save" action="{!save}" /></center>
11  </apex:PageBlock>
12 </apex:form>
13 </apex:page>

```

This was the code for meeting visualforce code.

After done with code click save button and we will be seeing the new meeting page.



## Topic:Creating Custom Pages Using Visualforce

### Milestones/Activities:

### Create New Batch Using Standard Controller:

#### Description:

Here "Standard Controller" meaning it is auto generated by "salesforce" for all objects.

So before going to create the new Batch using standard controller we need to first create the "Visualforce page".

setup-->quickfind search "visualforce" select it-->click "new"

Label: Class Batch Scheduling

Name: Class\_Batch\_Scheduling

Page Detail		Actions	
Label	Class Batch Scheduling	Edit	Delete
Namespace Prefix		Clone	Where is this used?
Available for Lightning Experience, Experience Builder, and the mobile app		Show Dependencies	Preview
Require CSRF protection on GET requests		Name: Class_Batch_Scheduling	
		Created By: Niveditha Thota 1/9/2022, 12:20 AM	
Last Modified By: Niveditha Thota 1/9/2022, 12:22 AM		Help for this Page	

click on save and click on preview which is shown in the above picture.

When we will click on preview button we will be going to the visual force page.

"[https://nividev-dev-ed-c.visualforce.com/apex/Class\\_Batch\\_Scheduling](https://nividev-dev-ed-c.visualforce.com/apex/Class_Batch_Scheduling)" that was the link of my page which was created by me for New Meeting object.

#### Class\_Batch\_Scheduling Visualforce code:

```

1 <apex:page showHeader="false" sidebar="false" standardController="Class_Batch_Scheduling__c">
2   <apex:form>
3     <apex:sectionHeader title="New batch"/>
4     <apex:pageBlockSection : 
5       <apex:inputField value="{!Class_Batch_Scheduling__c.Batch_Type__c}"/>
6       <apex:inputField value="{!Class_Batch_Scheduling__c.Start_date__c}"/>
7       <apex:inputField value="{!Class_Batch_Scheduling__c.End_date__c}"/>
8       <apex:inputField value="{!Class_Batch_Scheduling__c.Meeting_Id__c}"/>
9       <apex:inputField value="{!Class_Batch_Scheduling__c.Trainer_Id__c}"/>
10      <apex:inputField value="{!Class_Batch_Scheduling__c.Status__c}"/>
11    </apex:pageBlockSection>
12    <apex:commandButton value="Save" action="!save"/>centers
13  </apex:pageBlock>
14 </apex:form>
15 </apex:page>

```

*This was the code for Class\_Batch\_Scheduling visualforce code.*

*After done with code click save button and we will be seeing the Class\_Batch\_Scheduling page.*

The screenshot shows a visualforce page titled "New Batch". It contains several input fields:

- Batch Type: A dropdown menu with options including "--None--".
- Start date: An input field containing "1/13/2022".
- End date: An input field containing "1/13/2022".
- Meeting id: An input field with a search icon.
- Course id: An input field with a search icon.
- Trainer id: An input field with a search icon.
- Status: A dropdown menu with options including "--None--".
- Save: A button labeled "Save".

## Day:8

### Topic:Lightning components

### Milestones/Activities:

### Form to register new trainer

#### Description:

*To create the lightning component first we need to create the apex class*

*So I have successfully created the apex class named it as a*

*"OnlineTrainingManagementClass"*

*In that I have created the function for better understanding refer the below code as mentioned in picture.*

Developer Console - Google Chrome  
 nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

OnlineTrainingManagementClass.apxc [ ] NewTrainerApp [ ] NewTrainerApp.app [ ] SearchCourseSelection [ ] SearchCourseSelection.cmp [ ]

Code Coverage: None ▾ API Version: 53 ▾

```

1  public class OnlineTrainingManagementClass
2  {
3      @AuraEnabled
4      public static String addTrainer(String Trainer_Name, String Trainer_Email,
5                                      Date Trainer_DOB, String Trainer_Phone, String Trainer_Watsapp)
6      {
7          Trainer_c t=new Trainer_c();
8          t.Full_Name__c=Trainer_Name;
9          t.Email__c=Trainer_Email;
10         t.Date_of_Birth__c=Trainer_DOB;
11         t.Phone_Number__c=Trainer_Phone;
12         t.WhatsApp_Number__c=Trainer_Watsapp;
13         insert t;
14         return 'Success';
15     }
16 }
17 
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem

## And next I have created the new lightning component

Developer Console - Google Chrome  
 nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

OnlineTrainingManagementClass.apxc [ ] NewTrainerApp [ ] NewTrainerApp.app [ ] SearchCourseSelection [ ] SearchCourseSelection.cmp [ ] NewTrainerComponent [ ] NewTrainerComponent.cmp [ ] NewTrainerComponentController.js [ ] NewTrainerComponentHelper.js [ ]

```

1  <aura:component controller="OnlineTrainingManagementClass" implements="force:appHostable,flexipage:availableForAllPageTypes">
2      <aura:attribute name="T_Name" type="String"/>
3      <aura:attribute name="T_Email" type="String"/>
4      <aura:attribute name="T_DOB" type="Date"/>
5      <aura:attribute name="T_Phone" type="String"/>
6      <aura:attribute name="T_Watsapp" type="String"/>
7      <lightning:notificationsLibrary aura:id="notifyLib"/>
8      <div class="slds-box">
9          <center><h1>Form to Register New Trainer</h1></center>
10         <lightning:input name="TName"
11             label="Full Name"
12             value="{!v.T_Name}"
13             placeholder="Enter Name Here..."/>
14
15         <lightning:input type="email"
16             name="TEmail"
17             value="{!v.T_Email}"
18             placeholder="Type Your email Here"
19             label="Email Id" />
20         <lightning:input type="date"
21             name="TDate"
22             value="{!v.T_DOB}"
23             label="Date Of Birth"/>
24         <lightning:input type="tel"
25             label="Phone Number"
26             name="TPhone"
27             value="{!v.T_Phone}"/>
28 
```

NewTrainerComponent

- Ctrl + Shift + 1 COMPONENT
- Ctrl + Shift + 2 CONTROLLER
- Ctrl + Shift + 3 HELPER
- Ctrl + Shift + 4 STYLE
- Ctrl + Shift + 5 DOCUMENTATION Create
- Ctrl + Shift + 6 RENDERER Create
- Ctrl + Shift + 7 DESIGN Create
- Ctrl + Shift + 8 SVG Create

Bundle Version Settings

Activate Windows

Ctrl + Shift + F10 Settings to activate Windows.

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

ManagementClass.apxc NewTrainerApp NewTrainerApp.app SearchCourseSelection SearchCourseSelection.cmp NewTrainerComponent **NewTrainerComponent.cmp** NewTrainerComponentController.js NewTrainerComponentHelper.js

```

18     placeholder="Type Your email Here"
19     label="Email Id" />
20     <lightning:input type="date"
21         name="TDate"
22         value="{!!v.T_DOB}"
23         label="Date Of Birth"/>
24     <lightning:input type="tel"
25         label="Phone Number"
26         name="TPhone"
27         value="{!!v.T_Phone}" />
28
29     <lightning:input type="tel"
30         label="WhatsApp Number"
31         name="TWhatsApp"
32         value="{!!v.T_WhatsApp}" />
33
34     <center class="slds-m-top_medium">
35         <lightning:button variant="brand"
36             label="Save Record"
37             title="Save Record"
38             onclick="{!!c.SaveRecord}" />
39
40     </center>
41     </div>
42
43
44 </aura:component>

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Activate Windows Go to Settings to activate Windows.

NewTrainerComponent

Ctrl + Shift + 1	COMPONENT
Ctrl + Shift + 2	CONTROLLER
Ctrl + Shift + 3	HELPER
Ctrl + Shift + 4	STYLE
Ctrl + Shift + 5	DOCUMENTATION Create
Ctrl + Shift + 6	RENDERER Create
Ctrl + Shift + 7	DESIGN Create
Ctrl + Shift + 8	SVG Create

Bundle Version Settings

## NewTrainerComponentController.js

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

OnlineTrainingManagementClass.apxc NewTrainerApp NewTrainerApp.app SearchCourseSelection SearchCourseSelection.cmp NewTrainerComponent **NewTrainerComponentController.js**

```

1  ({{
2     SaveRecord : function(component, event, helper)
3     {
4         var action=component.get("c.addTrainer");
5         action.setParams({
6             Trainer_Name:component.get("v.T_Name"),
7             Trainer_Email:component.get("v.T_Email"),
8             Trainer_DOB:component.get("v.T_DOB"),
9             Trainer_Phone:component.get("v.T_Phone"),
10            Trainer_WhatsApp:component.get("v.T_WhatsApp")
11        });
12        action.setCallback(this,function(response){
13            var result=response.getReturnValue();
14            if(result=='SUCCESS')
15            {
16                component.find('notifLib').showToast({
17                    "title":"Success!",
18                    "message":"The record Inserted successfully."
19                });
20
21            component.set("v.T_Name",'');
22            component.set("v.T_Email",'');
23            component.set("v.T_DOB",'');
24            component.set("v.T_Phone",'');
25            component.set("v.T_WhatsApp",'');
26        }
27    }
28

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Activate Windows Go to Settings to activate Windows.

NewTrainerComponent

Ctrl + Shift + 1	COMPONENT
Ctrl + Shift + 2	CONTROLLER
Ctrl + Shift + 3	HELPER
Ctrl + Shift + 4	STYLE
Ctrl + Shift + 5	DOCUMENTATION Create
Ctrl + Shift + 6	RENDERER Create
Ctrl + Shift + 7	DESIGN Create
Ctrl + Shift + 8	SVG Create

Bundle Version Settings

## NewTrainerComponent.css

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

NewTrainerApp NewTrainerApp.app SearchCourseSelection SearchCourseSelection.cmp NewTrainerComponent NewTrainerComponent.cmp NewTrainerComponentController.js NewTrainerApp.css NewTrainerComponent.css

```

1 .THIS {
2     background-color:white;
3 }
4
5
6 .THIS h1{
7     font-size:20px;
8     color:blue;
9     font-weight: bold;
10}

```

NewTrainerComponent

Ctrl + Shift + 1	COMPONENT
Ctrl + Shift + 2	CONTROLLER
Ctrl + Shift + 3	HELPER
Ctrl + Shift + 4	STYLE
Ctrl + Shift + 5	DOCUMENTATION Create
Ctrl + Shift + 6	RENDERER Create
Ctrl + Shift + 7	DESIGN Create
Ctrl + Shift + 8	SVG Create

Bundle Version Settings

Activate Windows  
Go to Settings to activate Windows.

Logs Tests Checkpoints Query Editor View State Progress Problems

## NewTrainerApp

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

NewTrainerApp NewTrainerApp.app SearchCourseSelection SearchCourseSelection.cmp NewTrainerComponent NewTrainerComponent.cmp NewTrainerComponentController.js NewTrainerApp.css NewTrainerComponent.css

**Description**

A Lightning Component Bundle

---

*Navigate to the bundle's definitions in the action bar to the right.*

NewTrainerApp

Ctrl + Shift + 1	APPLICATION
Ctrl + Shift + 2	CONTROLLER
Ctrl + Shift + 3	HELPER
Ctrl + Shift + 4	STYLE
Ctrl + Shift + 5	DOCUMENTATION
Ctrl + Shift + 6	RENDERER
Ctrl + Shift + 7	SVG

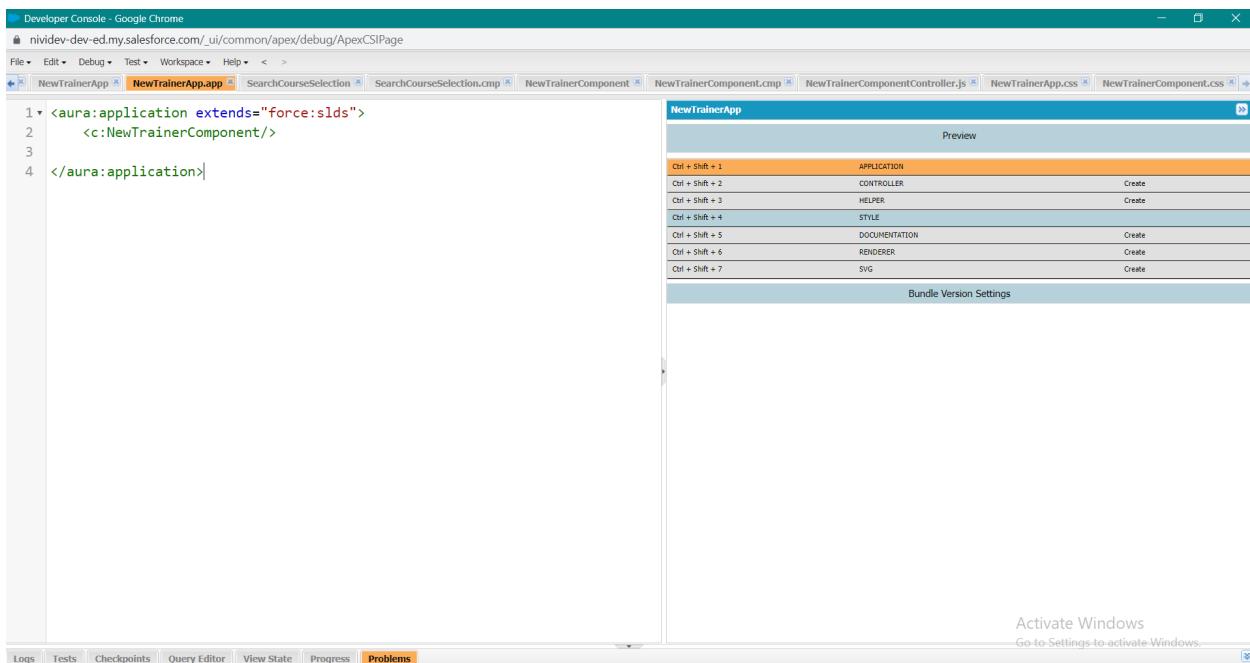
Preview

Bundle Version Settings

Activate Windows  
Go to Settings to activate Windows.

Logs Tests Checkpoints Query Editor View State Progress Problems

## NewTrainerApp.app



*Next click on the preview button as it is mentioned in the above picture*

*We will be getting the form to register the new trainer.*

Form to Register New Trainer

Full Name	<input type="text"/>
Email Id	<input type="text"/>
Date of Birth	<input type="text"/>
Phone Number	<input type="text"/>
WhatsApp Number	<input type="text"/>

## Topic:Lightning components

### Milestones/Activities:

#### SearchCourse

#### Description:

*To create the lightning component first we need to create the apex class*

*So I have successfully created the apex class named it as a*

*"OnlineTrainingManagementClass"*

*In that I have created the function for better understanding refer the below code as*

mentioned in picture.

The screenshot shows the Salesforce Dev Console interface. The top navigation bar includes tabs for TrainerComponent, NewTrainerComponent.cmp, NewTrainerComponentController.js, NewTrainerApp.css, NewTrainerComponent.css, NewTrainerAppController.js, SearchCourseSelectionController.js, and OnlineTrainingManagementClass.apxc (which is currently selected). Below the tabs, there is a code editor window containing Apex code. The code defines a static method `fetchcourse` that inserts a new record into the `Course__c` object and returns a success message. It also queries the `Course__c` object based on a search string. The code editor has syntax highlighting and line numbers. At the bottom of the editor, there are tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems, with the Problems tab being active. A search bar at the bottom allows searching by name, line, or problem.

```
10     t.Date_of_Birth__c=Trainer_DOB;
11     t.Phone_Number__c=Trainer_Phone;
12     t.WhatsApp_Number__c=Trainer_Watsapp;
13     insert t;
14     return 'Success';
15   }
16   @AuraEnabled
17   public static List<Course__c> fetchcourse(String course_str)
18   {
19     String searchStr='%'+course_str+'%';
20     List<Course__c> lstCourse=new List<Course__c>();
21     lstCourse=[select Name,Course_Name__c,Course_Fee__c,Course_Category__c,
22     Duration_In_Months__c from Course__c where Course_Name__c like :searchStr ];
23
24     return lstCourse;
25
26   }
27
28 }
```

## And next I have created the new lightning component

The screenshot shows the Salesforce Dev Console interface. The top navigation bar includes tabs for File, Edit, Debug, Test, Workspace, Help, and several Salesforce components. The active tab is "SearchCourseSelection". On the right side of the screen, a sidebar titled "SearchCourseSelection" lists various component types with their corresponding keyboard shortcuts and creation options. The listed items include COMPONENT, CONTROLLER, HELPER, STYLE, DOCUMENTATION, RENDERER, DESIGN, and SVG. Below the sidebar, there is a "Bundle Version Settings" section. At the bottom of the screen, there is a navigation bar with tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems, with the Problems tab being active. A search bar at the bottom allows searching by name, line, or problem.

Description

A Lightning Component Bundle

Navigate to the bundle's definitions in the action bar to the right.

Action	Key	Type
Ctrl + Shift + 1		COMPONENT
Ctrl + Shift + 2		CONTROLLER
Ctrl + Shift + 3		HELPER
Ctrl + Shift + 4		STYLE
Ctrl + Shift + 5		DOCUMENTATION
Ctrl + Shift + 6		RENDERER
Ctrl + Shift + 7		DESIGN
Ctrl + Shift + 8		SVG

## SearchCourseSelection.cmp:

nividiev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

NewTrainerApp ▾ NewTrainerApp.app ▾ SearchCourseSelection.cmp ▾ SearchCourseSelectionController.js ▾ NewTrainerComponent.cmp ▾ NewTrainerComponentController.js ▾ NewTrainerApp.css ▾ NewTrainerComponent.css ▾ +

```

1 <aura:component controller="OnlineTrainingManagementClass" implements="force:appHostable,flexipage:availableForAllPageTypes">
2   <aura:attribute name="cName" type="String"/>
3   <aura:attribute name="data" type="Object"/>
4   <aura:attribute name="columns" type="List"/>
5   <div class="slds-m-bottom_x-small">
6     <lightning:input name="input3"
7       label="Enter Course Name"
8       value="{!v.cName}"
9       onchange="{!c.myAction}"
10      placeholder="type here..."/>
11   </div>
12   <div class="slds-m-top_medium">
13     <lightning:datatable
14       keyField="id"
15       data="{!v.data}"
16       columns="{!v.columns}"
17       hideCheckboxColumn="true"/>
18   </div>
19 </aura:component>

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Name Line Problem

## SearchCourseSelectionController.js

Developer Console - Google Chrome

nividiev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

NewTrainerComponent ▾ NewTrainerComponent.cmp ▾ NewTrainerComponentController.js ▾ NewTrainerApp.css ▾ NewTrainerComponent.css ▾ NewTrainerAppController.js ▾ SearchCourseSelectionController.js ▾ OnlineTrainingManagementClass.apxc ▾

```

1 <({{
2   myAction : function(component, event, helper) {
3     var action=component.get("c.fetchcourse");
4     component.set('v.columns',[{
5       {label: 'Course ID',fieldName: 'Name',type: 'Auto Number'},
6       {label: 'Course Name',fieldName: 'Course_Name__c',type: 'text'},
7       {label: 'Course Fee',fieldName: 'Course_Fee__c',type: 'Currency'},
8       {label: 'Course Category',fieldName: 'Course_Category__c',type: 'text'},
9       {label: 'Duration(In Months)',fieldName: 'Duration_In_Months__c',type: 'Picklist'}
10    ]});
11
12
13   action.setParams({
14     course_str:component.get('v.cName')
15   });
16   action.setCallback(this,function(response){
17     component.set("v.data",response.getReturnValue());
18   });
19   $A.enqueueAction(action);
20 },
21 loadRecord : function(component, event, helper) {
22   var action=component.get("c.fetchcourse");
23   component.set('v.columns',[{
24     {label: 'Course ID',fieldName: 'Name',type: 'Auto Number'},
25     {label: 'Course Name',fieldName: 'Course_Name__c',type: 'text'},
26     {label: 'Course Fee',fieldName: 'Course_Fee__c',type: 'Currency'},
27     {label: 'Course Category',fieldName: 'Course_Category__c',type: 'text'},
28   ]});

```

Activate Windows  
Go to Settings to activate Windows.

Logs, Tests, and Problems

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

+ rainerComponent [ ] NewTrainerComponent.cmp [ ] NewTrainerComponentController.js [ ] NewTrainerApp.css [ ] NewTrainerComponent.css [ ] NewTrainerAppController.js [ ] SearchCourseSelectionController.js [ ] OnlineTrainingManagementClass.apexc [ ]

```

15
16    });
17    action.setCallback(this,function(response){
18        component.set("v.data",response.getReturnValue());
19    });
20    $A.enqueueAction(action);
21},
22 loadRecord : function(component, event, helper) {
23    var action=component.get("c.fetchcourse");
24    component.set("v.columns",
25        [
26            {label: 'Course ID',fieldName: 'Name',type: 'Auto Number'},
27            {label: 'Course Name',fieldName: 'Course_Name__c',type: 'text'},
28            {label: 'Course Fee',fieldName: 'Course_Fee__c',type: 'Currency'},
29            {label: 'Course Category',fieldName: 'Course_Category__c',type: 'text'},
30            {label: 'Duration(In Months)',fieldName: 'Duration_In_Months__c',type: 'Picklist'}
31        ]);
32
33    action.setParams({
34        course_str:component.get('v.cName')
35    });
36    action.setCallback(this,function(response){
37        component.set("v.data",response.getReturnValue());
38    });
39    $A.enqueueAction(action);
40}
41
42 })

```

SearchCourseSelection

Ctrl + Shift + 1	COMPONENT
Ctrl + Shift + 2	CONTROLLER
Ctrl + Shift + 3	HELPER
Ctrl + Shift + 4	STYLE
Ctrl + Shift + 5	DOCUMENTATION
Ctrl + Shift + 6	RENDERER
Ctrl + Shift + 7	DESIGN
Ctrl + Shift + 8	SVG

Bundle Version Settings

Activate Windows  
Go to Settings to activate Windows.

Logs, Tests, and Problems

Developer Console - Google Chrome

nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >

+ NewTrainerApp [ ] NewTrainerApp.app [ ] SearchCourseSelection [ ] SearchCourseSelection.cmp [ ] NewTrainerComponent [ ] NewTrainerComponent.cmp [ ] NewTrainerComponentController.js [ ] NewTrainerApp.css [ ] NewTrainerComponent.css [ ]

```

1<aura:application extends="force:slds">
2    <c:SearchCourseSelection/>
3
4</aura:application>

```

Activate Windows  
Go to Settings to activate Windows.

Enter Course Name					
type here..					
Course ID	Course Name	Course Fee	Course Category	Duration(In Months)	
C-000004	Salesforce Development	2000	Cloud Computing	2	
C-000007	PHP Development	1000	Web Development	1	
C-000001	Online	3000	Cloud Computing	3	
C-000002	OL	2000	Data Visualization	4	
C-000003	Python Developer	1000	Web Development	3	
C-000005	Salesforce Admin	3000	Cloud Computing	2	
C-000006	Salesforce Business Analyst	2500	Cloud Computing	2	
C-000008	Salesforce Business Analyst	1500	Cloud Computing	3	

As mentioned in the above picture I have sucessfully created the Search course list.

## Topic:VisualForce Pages

### Milestones/Activities:

### SearchStudent

#### Description:

I have created a visualforce on SearchStudent to create that we need to go to setup-->in quickfind search "visualforce" and select it-->click on "new"

Label:SearchStudent

Name:SearchStudent

The screenshot shows the 'Visualforce Pages' setup page for a page named 'SearchStudent'. The 'Page Detail' section includes fields for 'Label' (set to 'SearchStudent'), 'Namespace Prefix' (unchecked), 'Require CSRF protection on GET requests' (unchecked), and 'Last Modified By' (set to 'Niveditha Thota' on 1/15/2022, 6:45 AM). The 'Name' field is also set to 'SearchStudent'. A note at the top right says 'Available for Lightning Experience, Experience Builder sites, and the mobile app'.

### SearchStudent Visualforce code:

```

<apex:page controller="searchStudentApex" lightningStyleSheets="true">
    <apex:form>
        <apex:messages xhtml="true" style="margin-bottom:10px;" />
        <apex:pageBlock title="Search Student Details" style="border:1px solid black; padding:10px; margin-bottom:10px;">
            <apex:inputText value="({!studentEmail})" /> <apex:commandButton value="Search" action="{!searchRecord}" />
        </apex:pageBlock>
        <apex:pageBlock title="Search Results" style="border:1px solid black; padding:10px; margin-bottom:10px;">
            <apex:repeat items="({!batchList})" var="b">
                <apex:column value="({!b.Name})"/>
                <apex:column value="({!b.Course_Name__c})"/>
                <apex:column value="({!b.Course_Category__c})"/>
                <apex:column value="({!b.Start_Date__c})"/>
                <apex:column value="({!b.Student_ID__c})"/>
                <apex:column value="({!b.Meeting_URL__c})"/>
                <apex:column value="({!b.Status__c})"/>
            </apex:repeat>
        </apex:pageBlock>
    </apex:form>
</apex:page>

```

## searchStudentApex code:

```

public with sharing class searchStudentApex {
    public String studentEmail {get;set;}
    public List<Student__c> student{get;set;}
    public List<Student_Enrollment__c> studentEnrollment{get;set;}
    public List<Class_Batch_Scheduling__c> batchList{get;set;}
    public User searchUser{get;set;}
    public Boolean displayRaise;
    public List<Class_Batch_Scheduling__c> batchListNew;
}

public PageReference searchRecord() {
    batchList.clear();
    if(studentEmail==null) {
        ApexPages.addMessage(new ApexPages.message(ApexPages.severity.error,'No Email Id Entered'));
        displayRaise=false;
    }
    else {
        student=[select id, Name,First_Name__c,Last_Name__c, Enrollment_Date__c, Email_Id__c from Student__c where Email_Id__c=(studentEmail)];
        if(student.size()==0) {
            displayRaise=true;
            studentEnrollment=[select Name,Batch_ID__c from Student_Enrollment__c where Student_ID__c =: student[0].id];
            if(studentEnrollment.size()==0) {
                for(Integer i=0;i<batchList.size();i++) {
                    batchList.add([select Name,Course_Name__c,Course_Catagory__c, Start_Date__c, Trainer_Name__c, Meeting_URL__c, Status__c from Class_Batch_Scheduling__c where Id=(batchList[i].Batch_ID__c)]);
                }
            }
            else {
                ApexPages.addMessage(new ApexPages.message(ApexPages.severity.info,'Student Didn\'t register for any training program'));
            }
        }
        for(Integer i=0;i<studentEnrollment.size();i++) {
            batchList.add([select Name from Class_Batch_Scheduling__c where Id=(studentEnrollment[i].Batch_ID__c)]);
        }
    }
    else {
        displayRaise=false;
        ApexPages.addMessage(new ApexPages.message(ApexPages.severity.error,'No Student Registered with Entered Email Id'));
    }
}

```

Activate Windows  
For the Continue to activate Windows

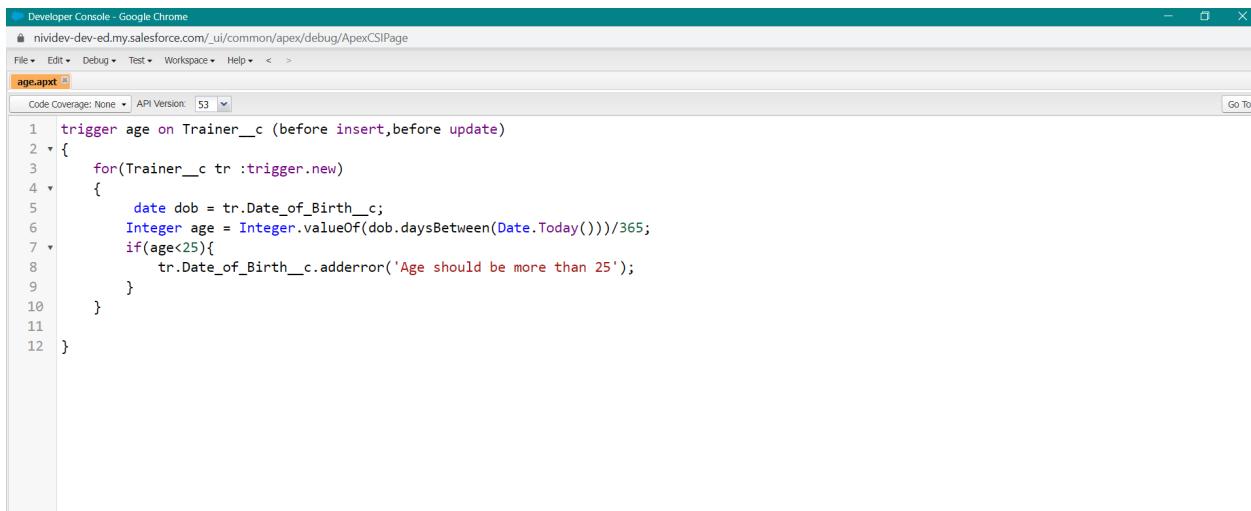
**Day:9**

**Topic:Triggers**

**Milestones/Activities: Trigger On Trainer Object**

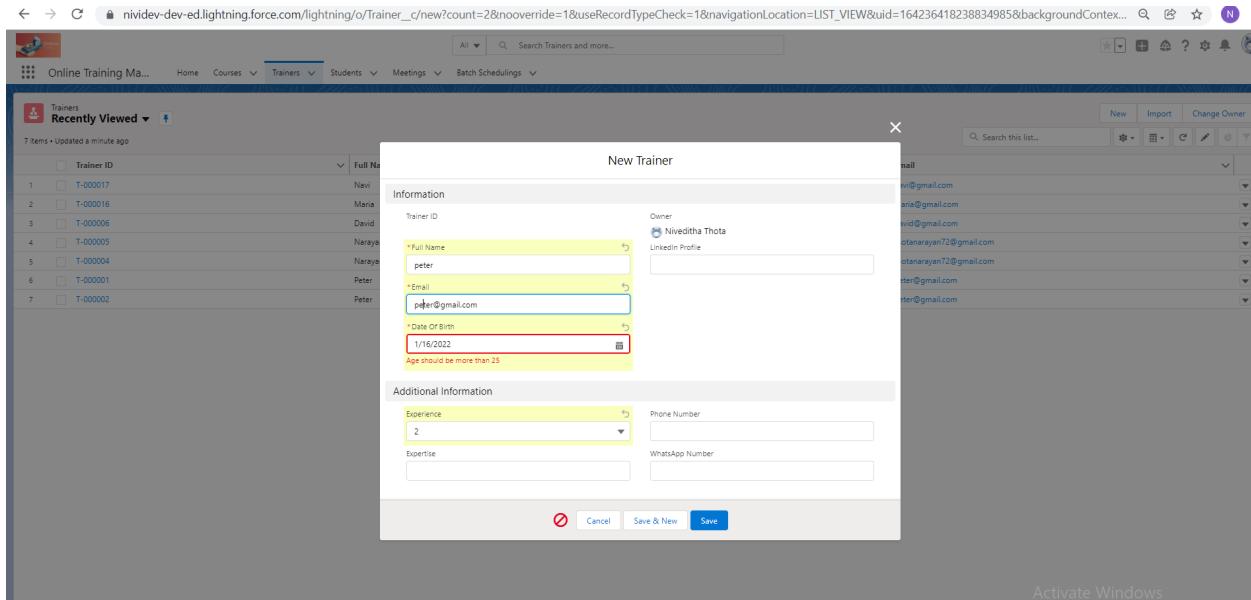
## Description:

Created a trigger on Trainer Object



```
trigger age on Trainer__c (before insert,before update)
{
    for(Trainer__c tr :trigger.new)
    {
        date dob = tr.Date_of_Birth__c;
        Integer age = Integer.valueOf(dob.daysBetween(Date.Today()))/365;
        if(age<25){
            tr.Date_of_Birth__c.adderror('Age should be more than 25');
        }
    }
}
```

If we give the age less than the 25 It will throughs an error to better under see the picture below mentioned



So If we give the correct information based on the rules we can insert the data successfully.

So If we will be giving the correct information It will takes the information i.e the data will be stored successfully for better understanding please refer the below picture as mentioned.

The screenshot shows a Salesforce Lightning page for creating a Trainer record. The URL in the browser is [nividev-dev-ed.lightning.force.com/lightning/r/Trainer\\_\\_c/a025j000003BNTcAO/view](https://nividev-dev-ed.lightning.force.com/lightning/r/Trainer__c/a025j000003BNTcAO/view). The page title is "Online Training Ma...". The top navigation bar includes links for Home, Courses, Trainers, Students, Meetings, and Batch Schedulings. A search bar at the top right says "Search Trainers and more...". A green success message box in the center says "✔ Trainer [T-000018] was created." with a close button "X". On the left, there are tabs for "Related" and "Details". The "Details" tab is selected, showing fields for Trainer ID (T-000018), Full Name (peter), Email (peter@gmail.com), Date Of Birth (1/16/1990), and Experience (2). To the right, there are fields for Owner (Niveditha Thota), Age (32), LinkedIn Profile, Phone Number ((123) 456-7899), WhatsApp Number ((123) 456-7899), and Last Modified By (Niveditha Thota, 1/16/2022, 12:24 PM). A section titled "Additional Information" is collapsed.

So as we have seen in the above picture the Trainer data is created.

## Topic:Trigger

### Milestones/Activities:

#### ValidateDeletedOnTrainer

#### Description:

Created the validate deleted on trainer regarding that the if the Trainer has completed the batch sucessfully completed then we can delete the trainer sucessfully.

If not if the trainer batch status is still in the "Active Batch" then we cannot delete the trainer from the record.

For the better understanding refer the below code which is mentioned picture below.

The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The tab title is "ValidateDeletedOnTrainer.apxt". The code editor contains the following Apex trigger:

```
trigger ValidateDeletedOnTrainer on Trainer__c (before delete) {
    Trainer__c t = Trigger.old[0];
    List<Class_Batch_Scheduling__c> lstBatch = [select Name, Status__c from Class_Batch_Scheduling__c
                                                where Trainer_ID__c = : t.Id];
    Integer flag=0;
    for(Class_Batch_Scheduling__c b : lstBatch)
    {
        if(b.Status__c != 'completed')
        {
            flag=1;
            break;
        }
    }
    if(flag==1)
    {
        t.addError('cannot delete record, Active batch has found for this trainer');
    }
}
```

The status bar at the bottom right says "Activate Windows Go to Settings to activate Windows."

Logs, Tests, and Problems

As seen in the above picture the validate deleted on trainer is created successfully by creating the new trigger class.

## Day:10

### Topic:

**Created the new application to get redirected which will be convinient to to get registerd,or to get forms,or to search the information**

### Milestones/Activities:

#### Created the new application

#### Description:

To create this first we need to goto setup-->in quick find search for "app manager"-->select the "app manager"--> click on "new lightning app"

#### AppDetails & Branding:

App Name: Online Training Management

Developer Name: Online\_Triaining\_Management\_Visualforce

The belopw mentioned picture is mentioned about the AppDetails & Branding

The screenshot shows the 'App Details & Branding' section of the Lightning App Builder. On the left, a sidebar lists 'App Settings' with 'App Details & Branding' selected. The main area contains fields for 'App Name' (set to 'Online Training Management'), 'Developer Name' (set to 'Online\_Training\_Management\_Visualforce'), and 'Description'. It also includes sections for 'App Branding' (with an image preview and color selection), 'Org Theme Options' (unchecked), and an 'App Launcher Preview' showing the app icon and name.

*As mentioned in the above picture those are details about the AppDetails&Branding.*

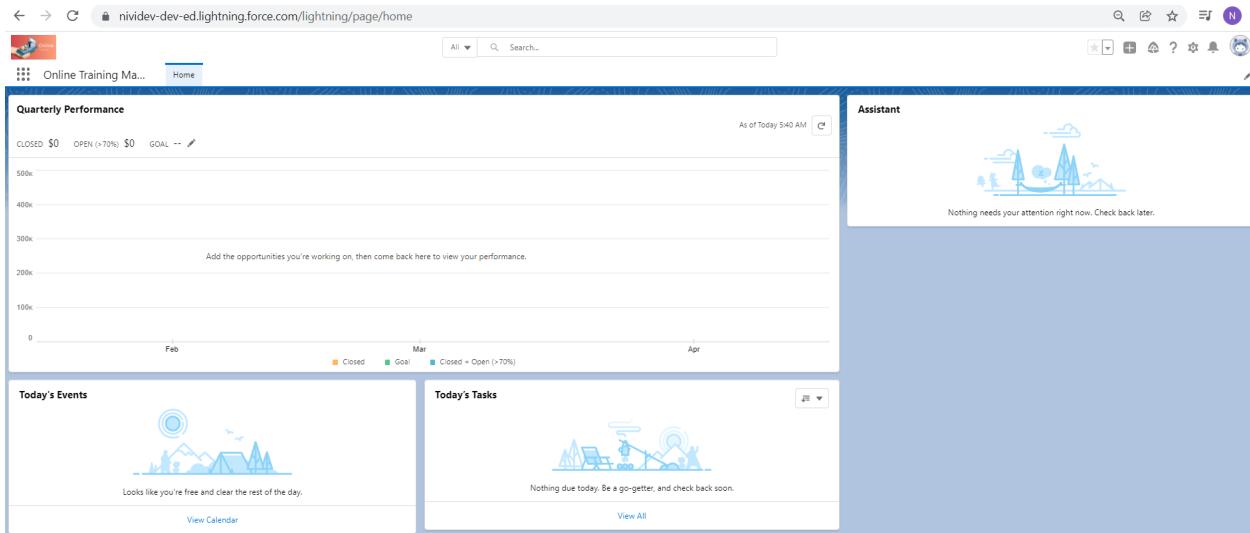
## **Add Options:**

The screenshot shows the 'App Options' section of the Lightning App Builder. On the left, a sidebar lists 'App Settings' with 'App Options' selected. The main area contains sections for 'Navigation and Form Factor' (with 'Standard navigation' selected) and 'Setup and Personalization' (with 'Setup Experience' set to 'Setup (full set of Setup options)'). It also includes sections for 'Supported Form Factors' (set to 'Desktop and phone') and 'App Personalization Settings' (with checkboxes for 'Disable end user personalization of nav items in this app' and 'Disable temporary tabs for items outside of this app' both unchecked).

*As mentioned in the above picture those are the details about the Add Options.*

*So finally the application is created to keep our newly created lightning components and visualorce pages in order to keep convient for the users to redirect directly to the page without typing the link of that page.*

*The below picture is mentioned which will be created a successfull application.*



*So as we have seen in the above picture the application is created successfully.*

### **Topic:Added the tabs**

#### **Milestones/Activities:**

**Added the new tab i.e., New course to the application**

#### **Description:**

*To create a new tab for that goto setup and in the quick ind search find box search for-->tabs-->click on " new" and then create tha new tab.*

*As it is mentioned in the below picture the new course added successfully in the newly created application.*

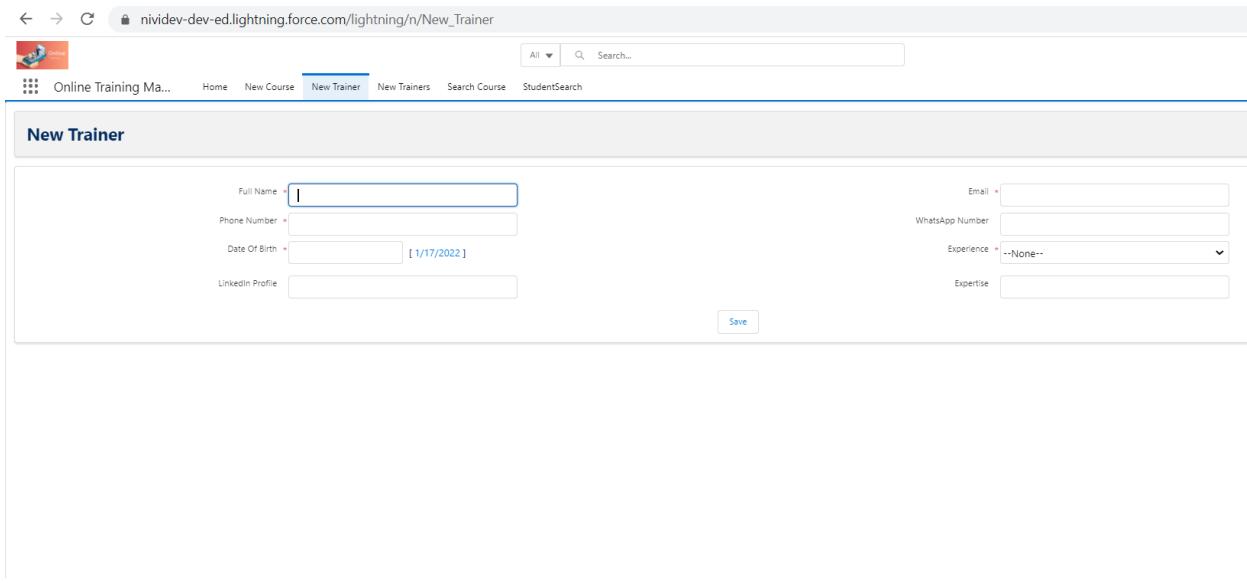
#### **Milestones/Activities:**

**Added the new tab i.e., New Trainer to the application**

## Description:

To create a new tab for that goto setup and in the quick ind search find box search for-->tabs-->click on " new" and then create tha new tab.

As it is mentioned in the below picture the new tariner added successfully in the newly created application.



The screenshot shows a web browser window with the URL [nividev-dev-ed.lightning.force.com/lightning/n/New\\_Trainer](https://nividev-dev-ed.lightning.force.com/lightning/n/New_Trainer). The page title is 'Online Training Ma...'. The navigation bar includes links for Home, New Course, New Trainer (which is highlighted), New Trainers, Search Course, and StudentSearch. A search bar at the top right has the placeholder 'Search...'. The main content area is titled 'New Trainer'. It contains several input fields: 'Full Name' (with a value of 'I'), 'Phone Number', 'Date Of Birth' (set to '1/17/2022'), 'LinkedIn Profile', 'Email', 'WhatsApp Number', 'Experience' (set to '--None--'), and 'Expertise'. A 'Save' button is located at the bottom right of the form.

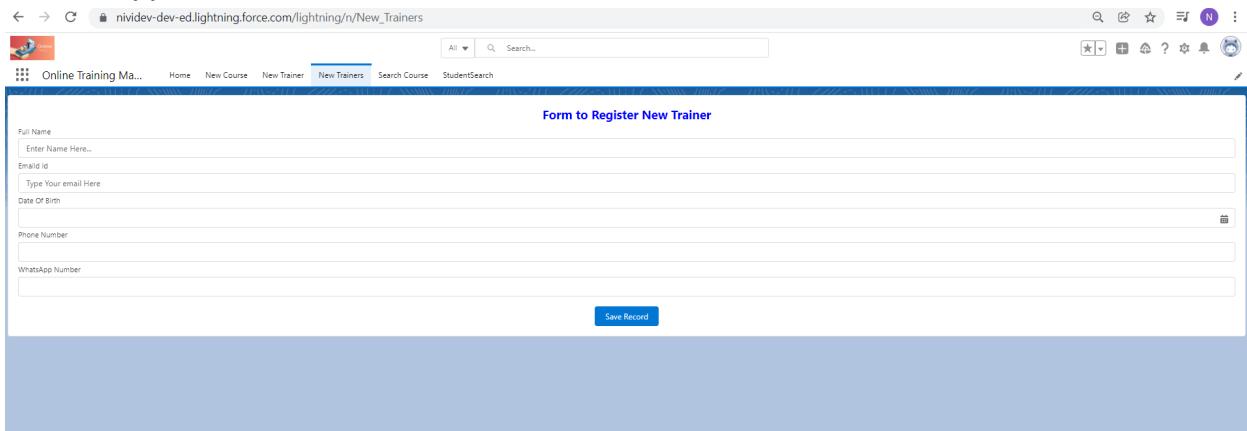
## Milestones/Activities:

**Added the new tab i.e., New Trainer's to the application using the lightning Component.**

## Description:

To create a new tab for that goto setup and in the quick ind search find box search for-->tabs-->click on " new" and then create tha new tab.

As it is mentioned in the below picture the new trainers added successfully in the newly created application.



The screenshot shows a web browser window with the URL [nividev-dev-ed.lightning.force.com/lightning/n/New\\_Trainers](https://nividev-dev-ed.lightning.force.com/lightning/n/New_Trainers). The page title is 'Online Training Ma...'. The navigation bar includes links for Home, New Course, New Trainer (which is highlighted), New Trainers, Search Course, and StudentSearch. A search bar at the top right has the placeholder 'Search...'. The main content area is titled 'Form to Register New Trainer'. It contains several input fields: 'Full Name' (with a placeholder 'Enter Name Here...'), 'Email id' (with a placeholder 'Type Your email Here'), 'Date Of Birth', 'Phone Number', and 'WhatsApp Number'. A 'Save Record' button is located at the bottom right of the form.

Here I have created the form of the tariner for register purpose by using the lightning

*component page.*

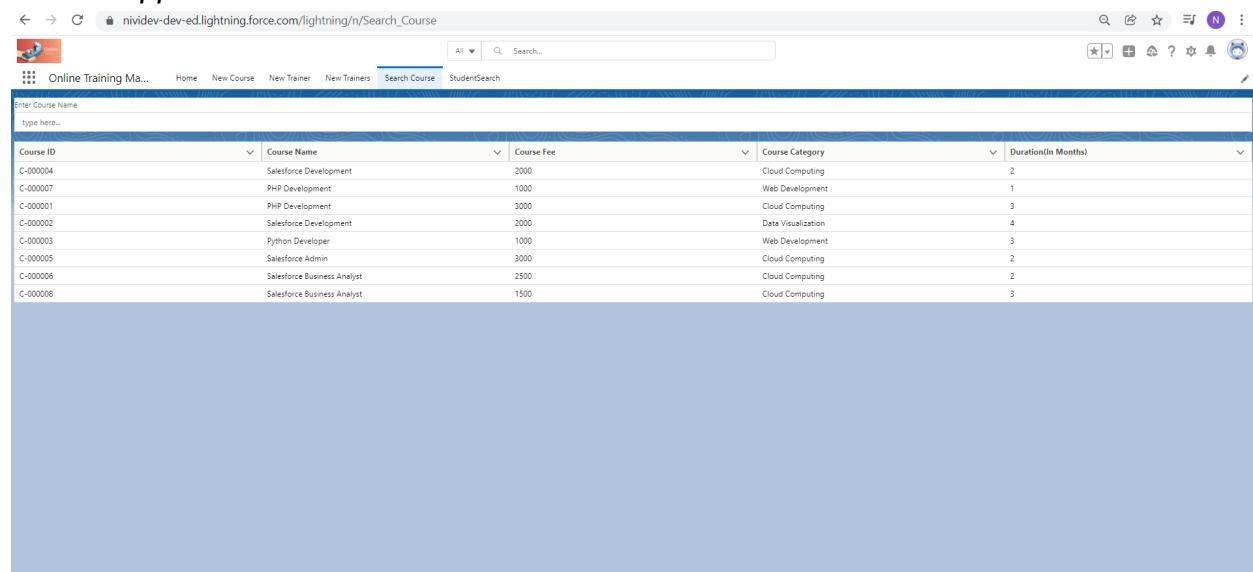
### **Milestones/Activities:**

**Added the new tab i.e., Search Course to the application using the lightning Component.**

#### **Description:**

*To create a new tab for that goto setup and in the quick ind search find box search for-->tabs-->click on " new" and then create tha new tab.*

*As it is mentioned in the below picture the Search Course added successfully in the newly created application.*



The screenshot shows a Salesforce Lightning component titled 'Search Course'. At the top, there is a search bar with the placeholder 'Search...'. Below the search bar, there is a navigation bar with links: Home, New Course, New Trainer, New Trainers, Search Course, and StudentSearch. The main area displays a table with course data. The table has columns: Course ID, Course Name, Course Fee, Course Category, and Duration(In Months). The data in the table is as follows:

Course ID	Course Name	Course Fee	Course Category	Duration(In Months)
C-000004	Salesforce Development	2000	Cloud Computing	2
C-000007	PHP Development	1000	Web Development	1
C-000001	PHP Development	3000	Cloud Computing	3
C-000002	Salesforce Development	2000	Data Visualization	4
C-000003	Python Developer	1000	Web Development	3
C-000005	Salesforce Admin	3000	Cloud Computing	2
C-000006	Salesforce Business Analyst	2500	Cloud Computing	2
C-000008	Salesforce Business Analyst	1500	Cloud Computing	3

*Here I have created the form of the search course for the purpose to search the courses by using the lightning component page.*

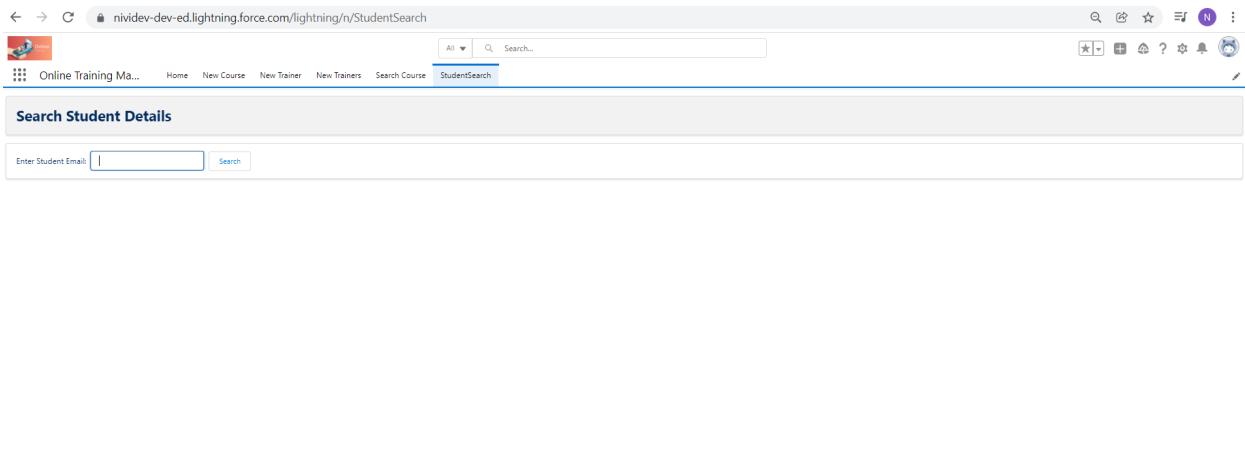
### **Milestones/Activities:**

**Added the new tab i.e., Search Student Details to the application using the lightning Component.**

#### **Description:**

*To create a new tab for that goto setup and in the quick ind search find box search for-->tabs-->click on " new" and then create tha new tab.*

*As it is mentioned in the below picture the Search Student Details added successfully in the newly created application.*



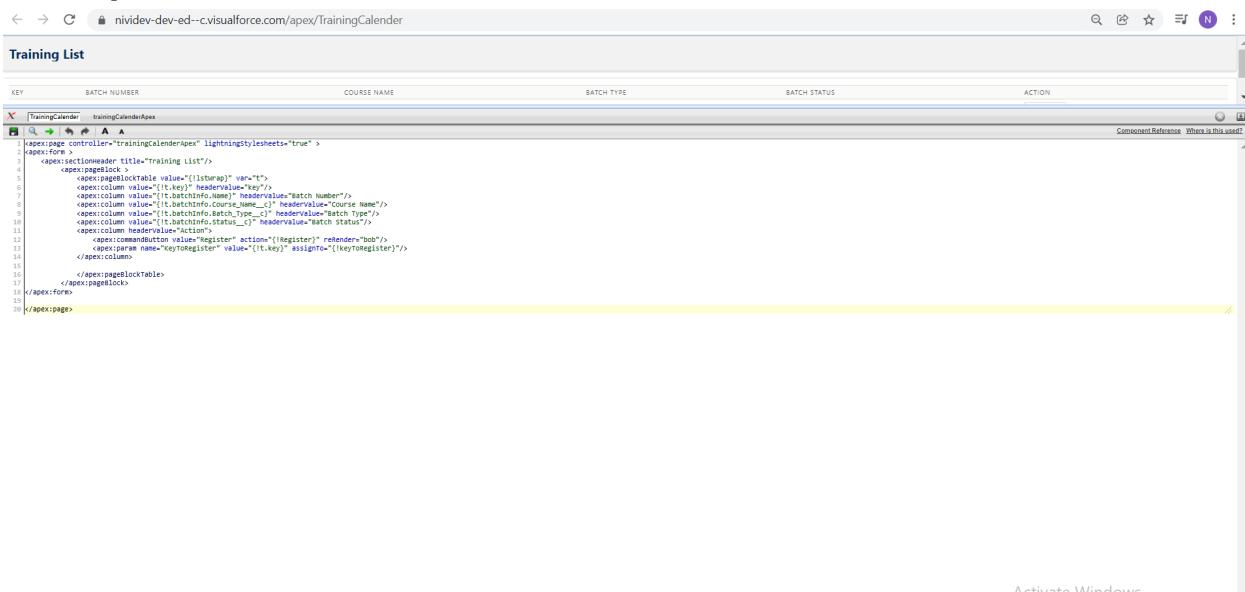
As mentioned in the above picture the I have successfully created search student detail tab by using the visual force page to search the student details.

## Topic:Visualforce page on trainer

### Trainer calender (training list)

### Milestones/Activities:

## Description:



Activate Windows

Training List

KEY	BATCH NUMBER	COURSE NAME	BATCH TYPE	BATCH STATUS	ACTION
X - TrainingCalender	TrainingCalenderApex				

```
public with sharing class TrainingCalenderApex
{
    public void keyToRegister(Set<Batch_Schedule__c> set)
    {
        public List<Wrapper> listBatch(Set<Batch_Schedule__c> set)
        {
            List<Wrapper> listBatch = new List<Wrapper>();
            public Integer keyToRegister(Set<Set> set)
            {
                public trainingCalenderApex()
                {
                    name = '';
                    recordId = null;
                    keyToRegister = 0;
                    listBatch = new List<Batch_Schedule__c>();
                    wrapper = new Wrapper();
                    wrapper.Course_Name__c.Batch_Type__c.Status__c
                        = 'SCHEDULED';
                    wrapper.Batch_Schedule__c
                        = 'Training Calender';
                    wrapper.Id = null;
                    wrapper.Key = null;
                    wrapper.Name = '';
                    wrapper.RecordId = null;
                    wrapper.Status = null;
                    wrapper.Batch_Schedule__c = null;
                }
                public PageReference Register()
                {
                    Boolean found = false;
                    Id recordId = null;
                    for(Wrapper w : listBatch)
                    {
                        if(w.key == keyToRegister)
                        {
                            found = true;
                            recordId = w.recordId;
                            break;
                        }
                    }
                    if(found)
                    {
                        PageReference pr = new PageReference('/apex/TrainingRegistration');
                        return pr;
                    }
                    return null;
                }
                public class wrapper
                {
                    public Integer key{get;set;}
                    public Class_Batch_Scheduling__c batchInfo{get;set;}
                    public wrapper(Integer key,Class_Batch_Scheduling__c batchInfo)
                    {
                        this.key=key;
                        this.batchInfo=batchInfo;
                    }
                }
            }
        }
    }
}
```

Component Reference Where is this used

*As mentioned in the above picture the I have successfully created the training list.*

# Topic:Trigger

## Milestones/Activities:

# Trigger On Student Object

## Description:

*In this I have created a trigger for age check on student.*

In this the age should be more than "16" if not it will shows the error.

Developer Console - Google Chrome  
 nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage  
 File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >  
 ageCheck.apxt ▾  
 Code Coverage: None API Version: 53 ▾ Go To

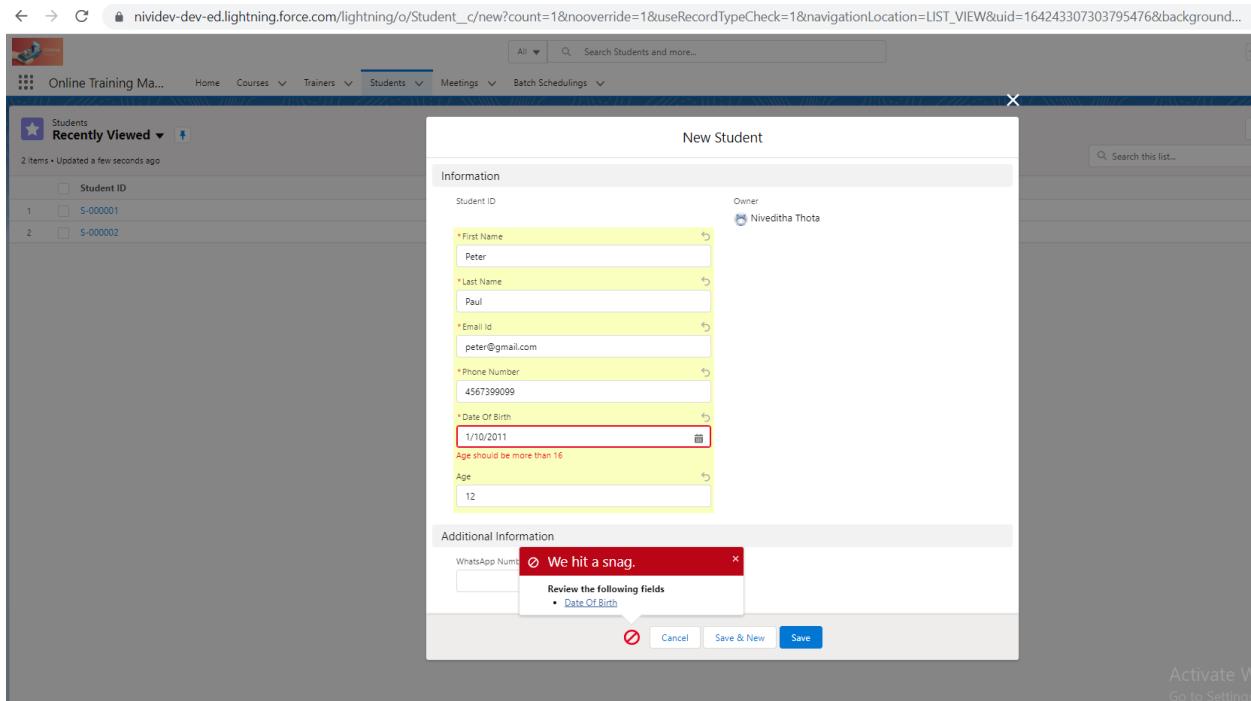
```

1 trigger ageCheck on Student__c (before insert)
2 {
3
4     for(Student__c std :trigger.new)
5     {
6         date dob = std.Date_of_Birth__c;
7         Integer age = Integer.valueOf(dob.daysBetween(Date.Today())/365);
8         if(age<25){
9             std.Date_of_Birth__c.adderror('Age should be more than 16');
10        }
11    }
12
13 }
14
  
```

Activate Windows  
Go to Settings to activate Windows.

Logs, Tests, and Problems

*Now lets test it if we give the age of the student less than 16. Kindly refer the below picture to know the output of the above code.*



*See here in the above picture we can clearly see that if we mention the age of the student less than 16 its showing the error message that the "Age should be more than 16"*

*Now lets test it if we give the age of the student more than 16. Kindly refer the below picture to know the output of the above code.*

The screenshot shows a Salesforce Lightning page for 'Online Training Ma...'. The top navigation bar includes links for Home, Courses, Trainers, Students (selected), Meetings, and Batch Schedulings. A green success message at the top right states: 'Student "S-000003" was created.' The main content area displays a 'Details' tab for a new student record. The student's ID is S-000003, and the owner is Niveditha Thota. The student's first name is Peter and last name is Paul. The email ID is peter@gmail.com and the phone number is (456) 739-9099. The date of birth is 1/10/1990 and the age is 32. Below the main details, there is a section titled 'Additional Information' which includes the WhatsApp number (456) 739-9099, enrollment date 1/17/2022, and both the created and last modified by fields, both listed as Niveditha Thota on 1/17/2022 at 7:29 AM. At the bottom right of the page, there is a watermark for 'Activate Windows'.

See here in the above picture we can clearly see that if we mention the age of the student more than 16 its get created successfully.

## Topic:Trigger

### Milestones/Activities:

#### Trigger On Meeting Object

### Description:

*Here in this I have created the trigger on meeting object regarding the Valid from and valid to*

*The condition is:*

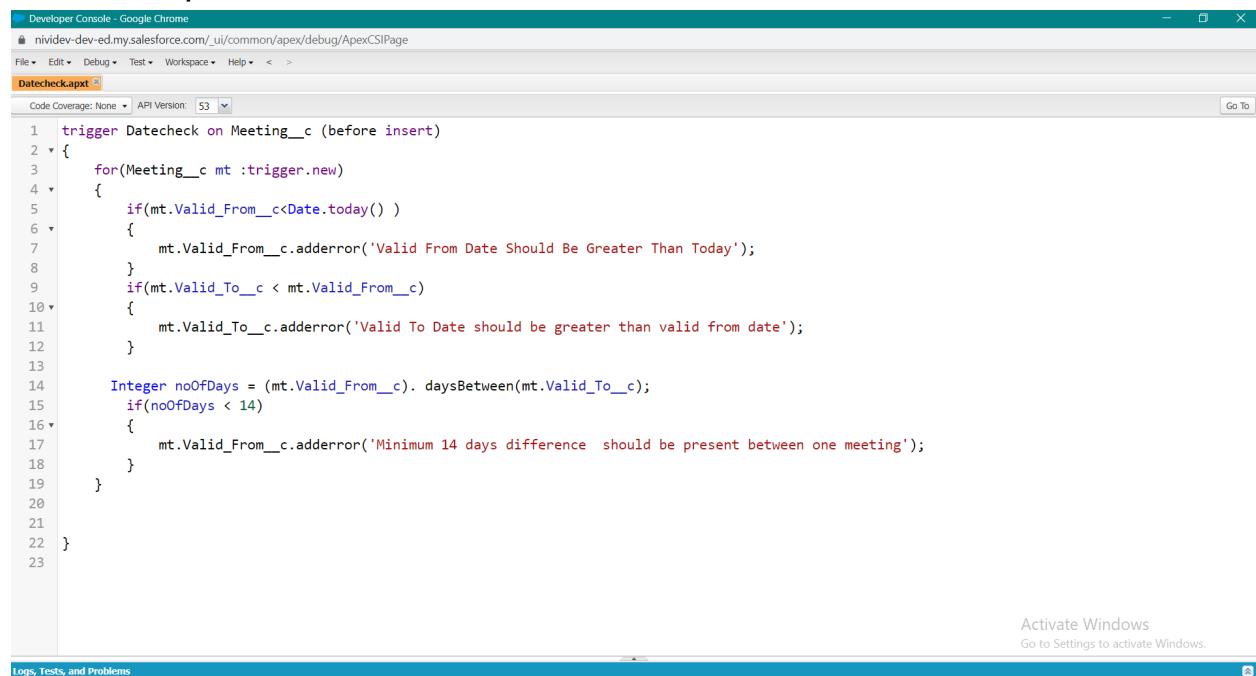
*Valid From Date Should Be Greater Than Today*

*Valid To Date should be greater than Valid From Date*

*And in the Valid From:*

*Minimum 14 days difference should be present between one meeting*

*The below picture mentioned will shows the clear code for that.*

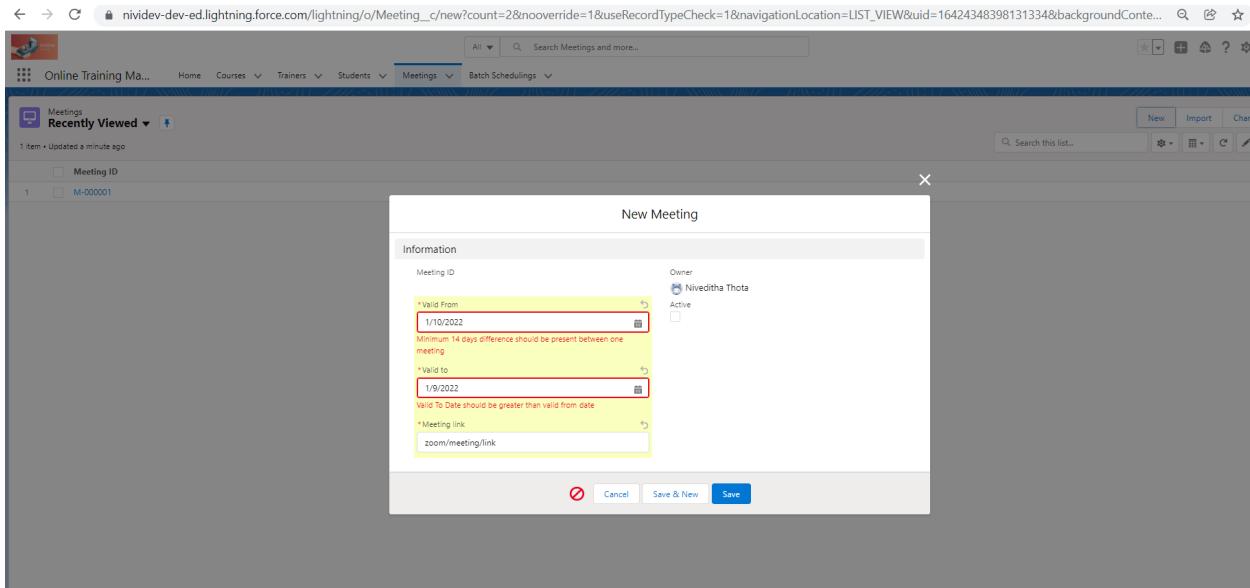


The screenshot shows the Salesforce Developer Console in Google Chrome. The URL is nividev-dev-ed.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The tab title is 'Datecheck.apx'. The code coverage is at 53%. The API version is 53. The code itself is as follows:

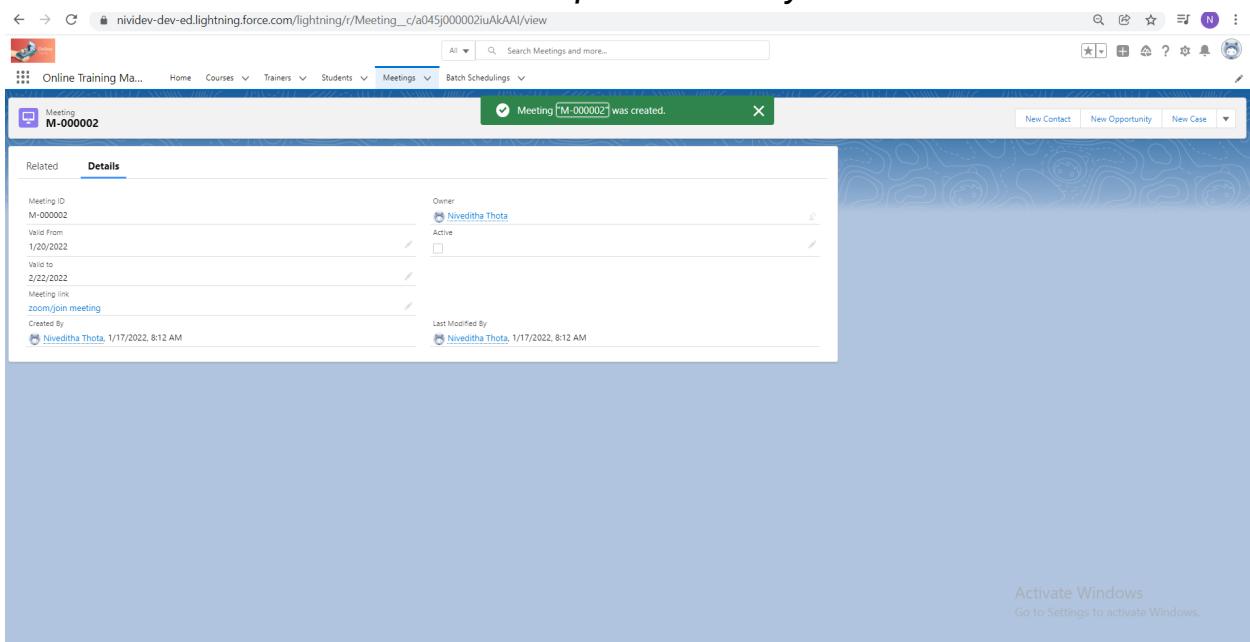
```
trigger Datecheck on Meeting__c (before insert)
{
    for(Meeting__c mt :trigger.new)
    {
        if(mt.Valid_From__c<Date.today() )
        {
            mt.Valid_From__c.adderror('Valid From Date Should Be Greater Than Today');
        }
        if(mt.Valid_To__c < mt.Valid_From__c)
        {
            mt.Valid_To__c.adderror('Valid To Date should be greater than valid from date');
        }
        Integer noOfDays = (mt.Valid_From__c).daysBetween(mt.Valid_To__c);
        if(noOfDays < 14)
        {
            mt.Valid_From__c.adderror('Minimum 14 days difference should be present between one meeting');
        }
    }
}
```

At the bottom right of the code editor, there is a watermark: "Activate Windows Go to Settings to activate Windows." Below the code editor, there is a footer bar with tabs for 'Logs', 'Tests', and 'Problems'.

*The above mentioned code is the Datecheck on meeting object.*



*As if we give the opposite to conditions mentioned above it will gives us the errors as it mentioned in the above picture clearly.*



*So, I have successfully created as it is clearly mentioned.*

## **Topic: Reports And Dashboards**

### **Milestones/Activities:**

**Created the Report And Dashboard on the application**

### **Description:**

*To create the reports and dashboards firstly add a tab to the application.  
Next in the report I have created the folder report "Online training older report"*

The screenshot shows the Salesforce Lightning interface with the URL [nividev-dev-ed.lightning.force.com/lightning/o/Report/home?queryScope=userFolders](https://nividev-dev-ed.lightning.force.com/lightning/o/Report/home?queryScope=userFolders). The page title is 'Online Training Ma...'. The top navigation bar includes Home, New Course, New Trainer, New Trainers, Search Course, StudentSearch, NewMeeting, TrainingCalender, Reports, and Dashboards. On the left sidebar, under 'REPORTS', there are sections for Recent, Created by Me, Private Reports, Public Reports, All Reports, and FOLDERS. Under 'FOLDERS', 'All Folders' is selected, showing items like 'Created by Me' and 'Shared with Me'. The main content area displays a table of reports and folders. One folder, 'Online Training Report Folder', is listed under 'Recent' with details: Name 'Online Training Report Folder', Created By 'Niveditha Thota', Created On '1/18/2022, 12:04 AM', Last Modified By 'Niveditha Thota', and Last Modified Date '1/18/2022, 12:04 AM'.

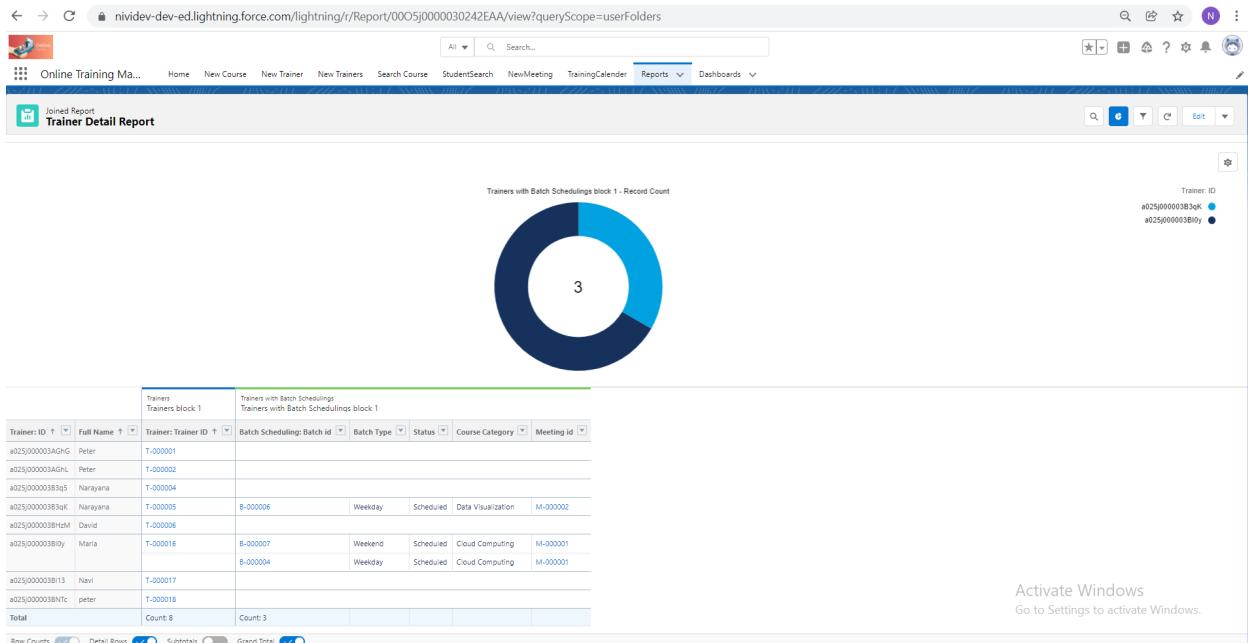
*In that folder I have created the report the reports are as follows:*

## **1)Course Details Report:**

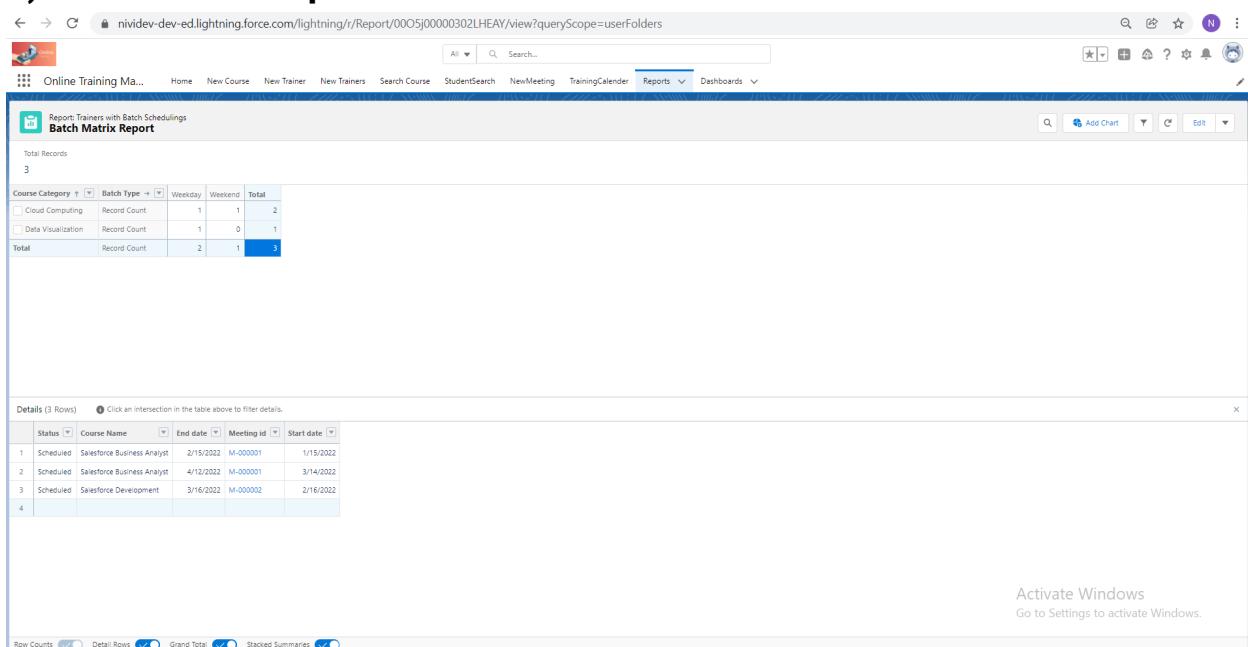
The screenshot shows the Salesforce Lightning interface with the URL [nividev-dev-ed.lightning.force.com/lightning/r/Report/00O5j00000301pZEAQ/view?queryScope=userFolders](https://nividev-dev-ed.lightning.force.com/lightning/r/Report/00O5j00000301pZEAQ/view?queryScope=userFolders). The page title is 'Report: Courses Course Details Report'. The top navigation bar includes Home, New Course, New Trainer, New Trainers, Search Course, StudentSearch, NewMeeting, TrainingCalender, Reports, and Dashboards. The main content area displays a table titled 'Course Details Report' with 8 total records. The table columns are: Course: Course ID, Course Name, Course Category, Duration(In Months), Course Fee, and Course: Created Date. The data rows are:

	Course: Course ID	Course Name	Course Category	Duration(In Months)	Course Fee	Course: Created Date
1	C-000001	PHP Development	Cloud Computing	3	\$3,000	1/4/2022
2	C-000005	Salesforce Admin	Cloud Computing	2	\$3,000	1/10/2022
3	C-000006	Salesforce Business Analyst	Cloud Computing	2	\$2,500	1/10/2022
4	C-000004	Salesforce Development	Cloud Computing	2	\$2,000	1/10/2022
5	C-000002	Salesforce Development	Data Visualization	4	\$2,000	1/5/2022
6	C-000008	Salesforce Business Analyst	Cloud Computing	3	\$1,500	1/11/2022
7	C-000007	PrDP Development	Web Development	1	\$1,000	1/10/2022
8	C-000003	Python Developer	Web Development	3	\$1,000	1/7/2022

## **2)Trainer Detail Report:**



### 3)Batch Matrix Report:



### Dashboard:

*In this dashboard I have created the new folder named iy as "Online Training Dashboard"*

The screenshot shows the Salesforce Lightning interface for creating a new dashboard. The URL is [nividev-dev-ed.lightning.force.com/lightning/o/Dashboard/home?queryScope=userFolders](https://nividev-dev-ed.lightning.force.com/lightning/o/Dashboard/home?queryScope=userFolders). The top navigation bar includes Home, New Course, New Trainer, New Trainers, Search Course, StudentSearch, NewMeeting, TrainingCalender, Reports, and Dashboards. The left sidebar shows 'All Folders' with 1 item, 'DASHBOARDS' (Recent, Created by Me, Private Dashboards, All Dashboards), 'FOLDERS' (All Folders, Created by Me, Shared with Me), and 'FAVORITES' (All Favorites). The main content area displays a table with columns: Name, Created By, Created On, Last Modified By, and Last Modified Date. A single row is shown: 'Online Training Dashboard' created by 'Niveditha Thota' on '1/18/2022, 1:31 AM'. A search bar at the top right says 'Search all folders...'. Buttons for 'New Dashboard' and 'New Folder' are also present. A watermark at the bottom right says 'Activate Windows Go to Settings to activate Windows.'

*In that I have created a created a dashboard named it as "Training detail dashboard"*

The screenshot shows the Salesforce Lightning interface for creating a new dashboard. The URL is [nividev-dev-ed.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru](https://nividev-dev-ed.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru). The top navigation bar includes Home, New Course, New Trainer, New Trainers, Search Course, StudentSearch, NewMeeting, TrainingCalender, Reports, and Dashboards. The left sidebar shows 'Recent' with 1 item, 'DASHBOARDS' (Recent, Created by Me, Private Dashboards, All Dashboards), 'FOLDERS' (All Folders, Created by Me, Shared with Me), and 'FAVORITES' (All Favorites). The main content area displays a table with columns: Dashboard Name, Description, Folder, Created By, Created On, and Subscribed. A single row is shown: 'Training Detail Dashboard' with 'Online-Training Dashboard' as the folder, created by 'Niveditha Thota' on '1/18/2022, 1:31 AM'. A search bar at the top right says 'Search recent dashboards...'. Buttons for 'New Dashboard' and 'New Folder' are also present. A watermark at the bottom right says 'Activate Windows Go to Settings to activate Windows.'

Dashboard Training Detail Dashboard As of Jan 18, 2022, 1:54 AM Viewing as Niveditha Thota

All Search... Refresh Edit Subscribe

**Course Details Report**

Course ID	Course Name	Course Category	Duration (in Months)	Course Fee
C-000001	PHP Development	Cloud Computing	3	\$3k
C-000002	Salesforce Development	Data Visualization	4	\$2k
C-000003	Python Developer	Web Development	3	\$1k
C-000004	Salesforce Development	Cloud Computing	2	\$2k
C-000005	Salesforce Admin	Cloud Computing	2	\$3k
C-000006	Salesforce Business Analyst	Cloud Computing	2	\$3k
C-000007	PHP Development	Web Development	1	\$1k

[View Report \(Course Details Report\)](#)

**Trainer Detail Report**

Trainers with Batch Schedulings Block 1 - Record Count

Trainer ID: a02500000035gK a02500000038WY

[View Report \(Trainer Detail Report\)](#)

**Batch Matrix Report**

Batch Type	Record Count
Weekday	1
Weekend	1
Data Visualization	1

[View Report \(Batch Matrix Report\)](#)

Activate Windows  
Go to Settings to activate Windows.

And I have successfully created the dashboard and I have assign it in the home page.

Dashboard Training Detail Dashboard As of Jan 18, 2022, 1:54 AM Viewing as Niveditha Thota

All Search... Open Refresh Subscribe

**Course Details Report**

Course ID	Course Name	Course Category	Duration (in Months)	Course Fee
C-000001	PHP Development	Cloud Com	3	\$3k
C-000002	Salesforce Development	Data Visua	4	\$2k
C-000003	Python Developer	Web Devel	3	\$1k
C-000004	Salesforce Development	Cloud Com	2	\$2k
C-000005	Salesforce Admin	Cloud Com	2	\$3k
C-000006	Salesforce	Cloud Com	2	\$3k

[View Report \(Course Details Report\)](#)

**Trainer Detail Report**

Trainers with Batch Schedulings Block 1 - Record Count

Trainer ID: a02500000035gK a02500000038WY

[View Report \(Trainer Detail Report\)](#)

**Batch Matrix Report**

Batch Type	Record Count
Weekday	1
Weekend	1
Data Visualizat	1

[View Report \(Batch Matrix Report\)](#)

**Assistant**

Nothing needs your attention right now. Check back later.

**Today's Events**

Looks like you're free and clear the rest of the day.

[View Calendar](#)

**Today's Tasks**

Nothing due today. Be a go-getter, and check back soon.

[View All](#)

**Recent Records**

- [Training Detail Dashboard](#)
- [Batch Matrix Report](#)
- [Training Detail Dashboard](#)

**Key Deals - Recent Opportunities**

No deals yet. Select another filter or check back later.

[View All](#)

Activate Windows  
Go to Settings to activate Windows.

And also added to the home for the application.

Dashboard Training Detail Dashboard

As of Jan 18, 2022, 1:54 AM Viewing as Niveditha Thota

Course Details Report

Course ID	Course Name	Course Type	Duration (hrs)	Cost (\$)
C-000001	PHP Development	Cloud Com.	3	\$3k
C-000002	Salesforce Development	Data Visual.	4	\$2k
C-000003	Python Developer	Web Dev.	3	\$1k
C-000004	Salesforce Development	Cloud Com.	2	\$2k
C-000005	Salesforce Admin	Cloud Com.	2	\$3k
C-000006	Salesforce	Cloud Com.	2	\$3k

View Report (Course Details Report)

Trainer Detail Report

Trainers with Batch Schedulings Block 1 - Record Count

Trainer ID: a0250e0000038xgk (Blue) a0250e0000038by (Pink)

View Report (Trainer Detail Report)

Batch Matrix Report

Batch Type	Record Count
Weekday	1
Weekend	1
Data	1

View Report (Batch Matrix Report)

Today's Events

Looks like you're free and clear the rest of the day.

View Calendar

Today's Tasks

Nothing due today. Be a go-getter, and check back soon.

View All

Recent Records

- Training Detail Dashboard
- Batch Matrix Report
- Trainer Detail Report

Key Deals - Recent Opportunities

No deals yet. Select another filter or check back later.

Activate Windows

Go to Settings to activate Windows.

No new notifications

*Successfully created the report and dashboard.*

