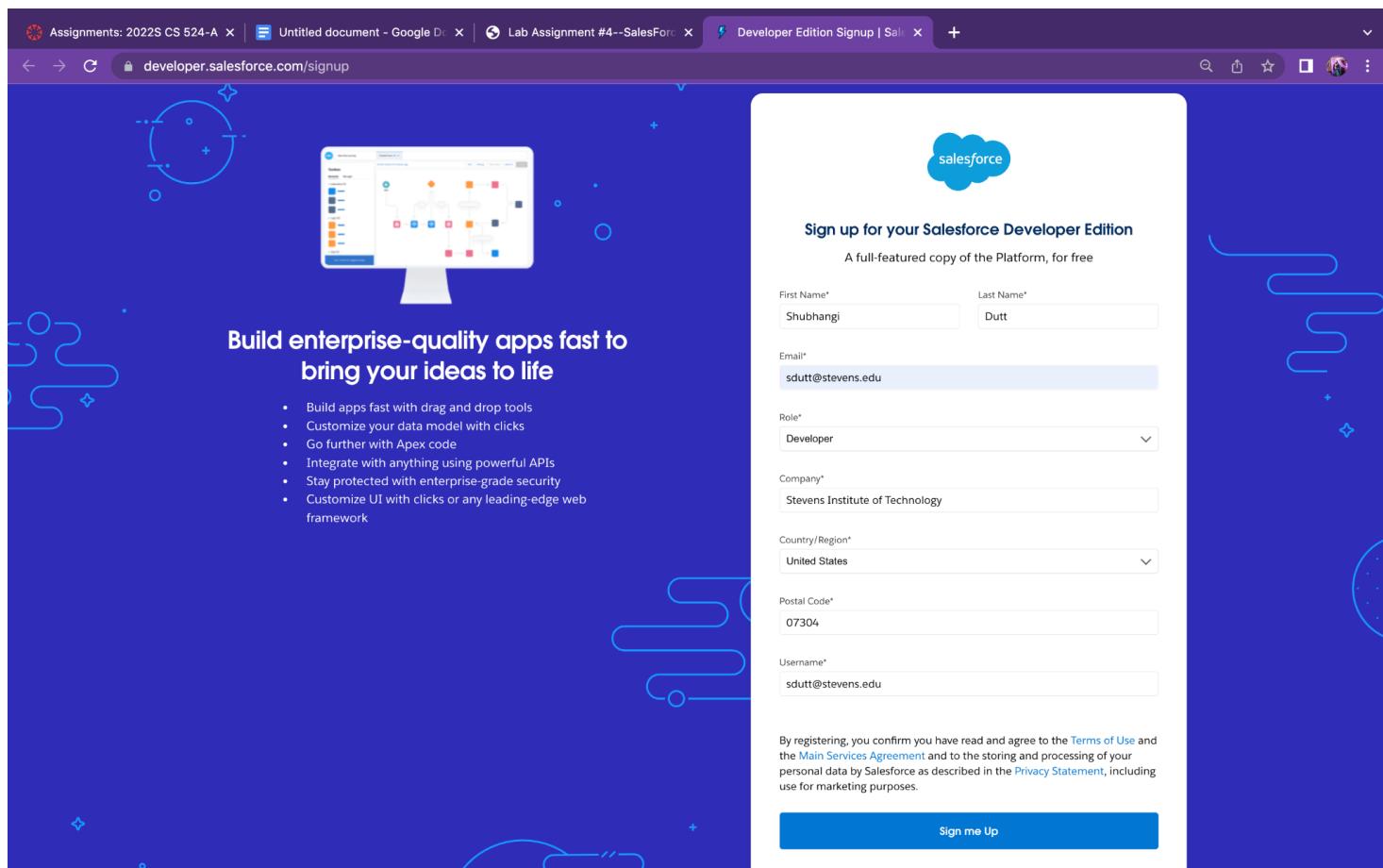


CS- 524 Introduction to Cloud Computing

Lab Assignment-4

A) Creating Salesforce Developer Account

Step 1) Used <https://developer.salesforce.com/signup> to create my account on salesforce. I entered my details and selected the ‘sign me up’ button.



Step 2) I waited till I received a verification email to verify my email address.

The screenshot shows the Salesforce Developer Edition Signup page. The background features a blue circuit board pattern. On the left, there's a graphic of a computer monitor displaying a complex network diagram. The right side contains a form for sign-up.

Sign up for your Salesforce Developer Edition
A full-featured copy of the Platform, for free

First Name* Last Name*
Email*
Role*
Company*
Country/Region*
Postal Code*
Username*

By registering, you confirm you have read and agree to the [Terms of Use](#) and the [Main Services Agreement](#) and to the storing and processing of your personal data by Salesforce as described in the [Privacy Statement](#), including use for marketing purposes.

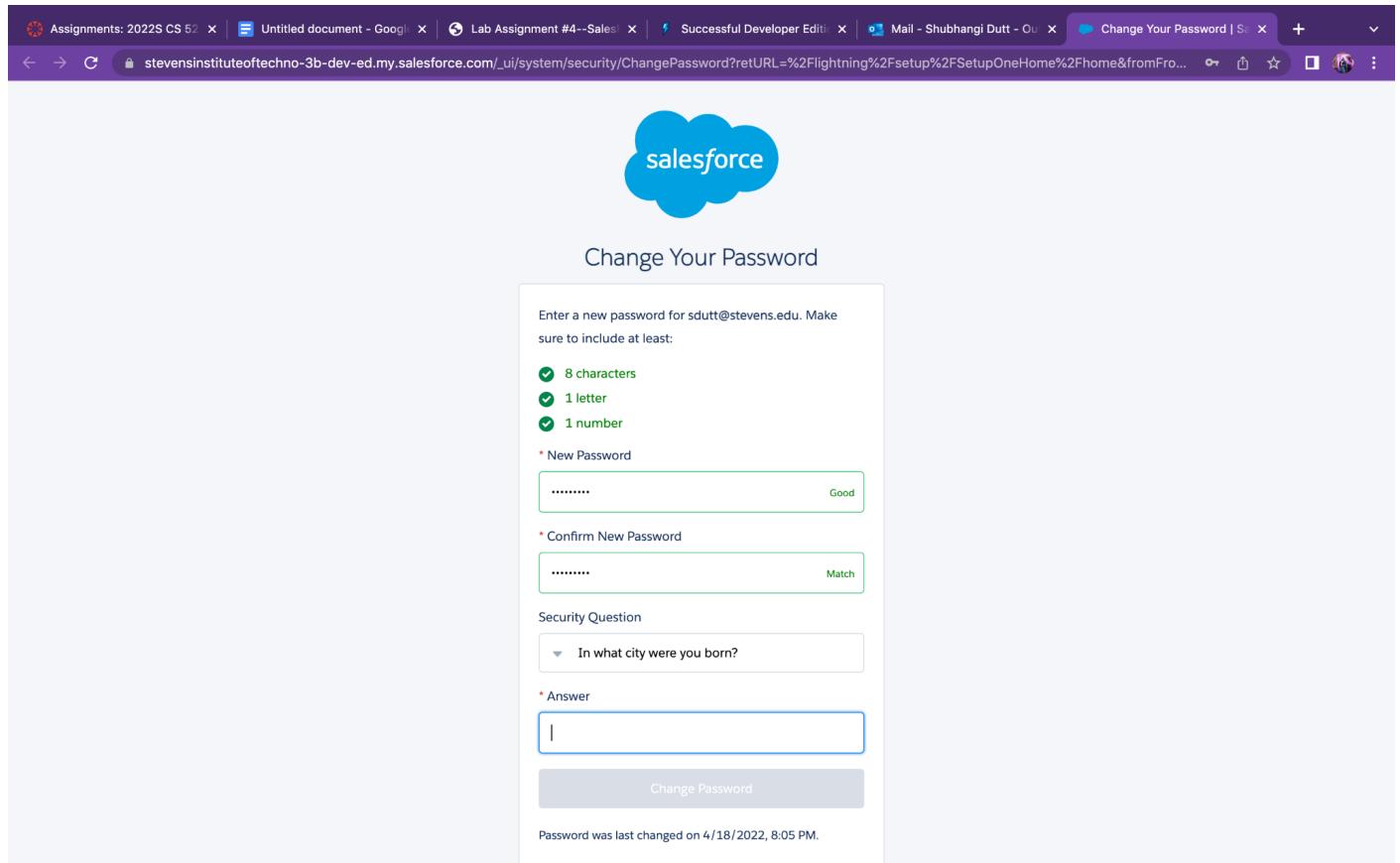
Beep boop processing

The screenshot shows the successful signup confirmation page. The background is the same blue circuit board pattern. The right side has a large message box.

Almost there...
Please check your email to confirm your account.
Wondering where to start?
Learn Salesforce Platform basics on [Trailhead](#)

A small inset window in the bottom right corner shows a preview of the Salesforce developer console.

Step 3) I set up my password using the link provided to me via email.



The screenshot shows a web browser window with multiple tabs open at the top. The active tab is titled "Change Your Password". The main content area displays the Salesforce logo at the top, followed by the title "Change Your Password". Below the title, there is a note: "Enter a new password for sdutt@stevens.edu. Make sure to include at least:". Three requirements are listed with green checkmarks: "8 characters", "1 letter", and "1 number". Below these requirements is a field labeled "New Password" containing "....." with a status indicator "Good" to its right. Below it is a "Confirm New Password" field containing "....." with a status indicator "Match" to its right. Underneath these fields is a "Security Question" section with a dropdown menu set to "In what city were you born?". Below that is an "Answer" field containing a single character "I". At the bottom of the form is a large grey "Change Password" button. A small note at the very bottom states: "Password was last changed on 4/18/2022, 8:05 PM."

Step 4) I landed on the homepage of salesforce. I went to my profile and selected the option to 'Switch to Salesforce Classic'.

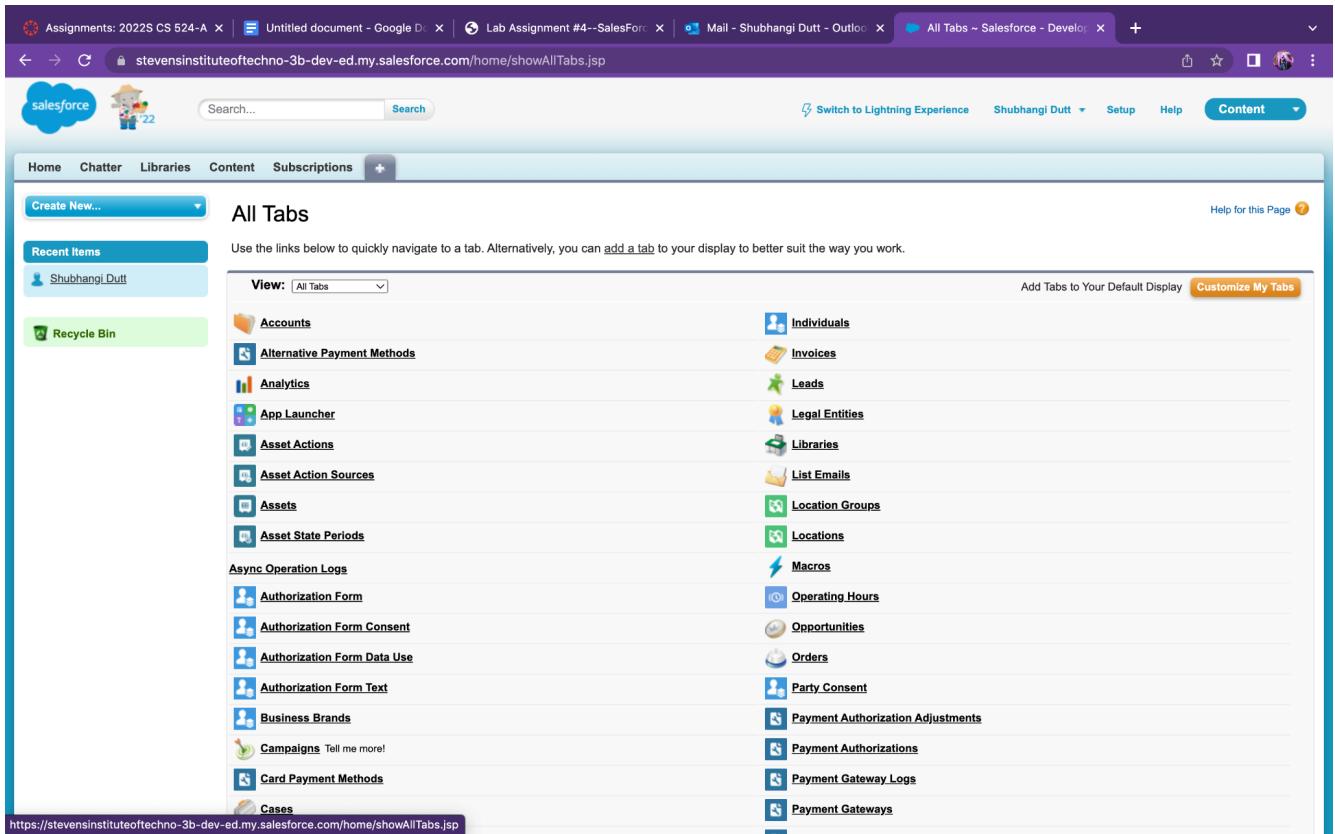
The screenshot shows the Salesforce Setup Home page. On the left, there's a sidebar with links like 'Setup Home', 'Service Setup Assistant', 'Multi-Factor Authentication Assistant', etc. The main area has two cards: 'Get Started with Einstein Bots' and 'Mobile Publisher'. On the right, a user profile for 'Shubhangi Dutt' is shown, along with a 'DISPLAY DENSITY' dropdown menu. The 'Comfy' option is selected, which is highlighted with a blue border. Other options in the menu include 'Compact' and 'OPTIONS'. A link to 'Switch to Salesforce Classic' is also present.

This screenshot is identical to the one above, but the 'Compact' display density option is now selected in the dropdown menu. The rest of the interface remains the same, including the sidebar, cards, and user profile.

<https://stevensinstituteoftechno-3b-dev-ed.lightning.force.com/lng/swtcher?destination=classic&referrer=%2Flightning%2Fsetup%2FsetupOneHome%2Fhome>

B) Creating record using Salesforce Standard Object

Step 1) I selected the '+' option on the tab-bar



The screenshot shows the Salesforce All Tabs page. At the top, there is a navigation bar with links for Home, Chatter, Libraries, Content, Subscriptions, and a '+ Create New...' button. Below this is a sidebar with 'Recent Items' showing a link to 'Shubhangi Dutt'. On the right, there is a 'Content' tab and a 'Switch to Lightning Experience' button. The main area is titled 'All Tabs' and contains a grid of standard objects. The objects listed are:

- Accounts
- Alternative Payment Methods
- Analytics
- App Launcher
- Asset Actions
- Asset Action Sources
- Assets
- Asset State Periods
- Authorization Form
- Authorization Form Consent
- Authorization Form Data Use
- Authorization Form Text
- Business Brands
- Campaigns Tell me more!
- Card Payment Methods
- Cases
- Individuals
- Invoices
- Leads
- Legal Entities
- Libraries
- List Emails
- Location Groups
- Locations
- Macros
- Operating Hours
- Opportunities
- Orders
- Party Consent
- Payment Authorization Adjustments
- Payment Authorizations
- Payment Gateway Logs
- Payment Gateways

At the bottom left, there is a URL: <https://stevensinstituteoftechno-3b-dev-ed.my.salesforce.com/home/showAllTabs.jsp>.

Step 2) I selected the ‘Accounts’ option.

The screenshot shows the Salesforce All Tabs page. On the left, there's a sidebar with options like 'Create New...', 'Recent Items' (which includes a link to 'Shubhangi_Dutt'), and 'Recycle Bin'. The main area is titled 'All Tabs' and contains a grid of icons and labels. The 'Accounts' icon (a blue square with a white person icon) is highlighted with a red box. Other visible items include 'Alternative Payment Methods', 'Analytics', 'App Launcher', 'Asset Actions', 'Asset Action Sources', 'Assets', 'Asset State Periods', 'Async Operation Logs', 'Authorization Form', 'Authorization Form Consent', 'Authorization Form Data Use', 'Authorization Form Text', 'Business Brands', 'Campaigns', 'Card Payment Methods', 'Cases', 'Individuals', 'Invoices', 'Leads', 'Legal Entities', 'Libraries', 'List Emails', 'Location Groups', 'Locations', 'Macros', 'Operating Hours', 'Opportunities', 'Orders', 'Party Consent', 'Payment Authorization Adjustments', 'Payment Authorizations', 'Payment Gateway Logs', and 'Payment Gateways'. At the bottom of the grid, there are buttons for 'Add Tabs to Your Default Display' and 'Customize My Tabs'.

Step 3) I selected the ‘Add Accounts’ option

The screenshot shows the Salesforce Accounts Home page. At the top, there's a banner with the text 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' with buttons for 'Tell Me More' and 'Check Readiness'. Below the banner, the page title is 'Accounts Home'. It features a 'Recent Accounts' section with a 'New' button, a 'Reports' section with links like 'Active Accounts', 'Accounts with last activity > 30 days', 'Account Owners', 'Contact Role Report', 'Account History Report', and 'Partner Accounts', and a 'Tools' section with links like 'Import Accounts & Contacts', 'Mass Delete Accounts', 'Transfer Accounts', 'Merge Accounts', and 'Sales Methodologies'. On the left, there's a 'Quick Create' sidebar with fields for 'Account Name', 'Phone', 'Website', and a 'Save' button. The bottom of the page includes a copyright notice: 'Copyright © 2000-2022 salesforce.com, inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | 508 Compliance | Go to Salesforce mobile app'.

Step 4) I entered my details for the new account such as my name, contact etc.

The screenshot shows the 'Account Edit' page for creating a new account. The left sidebar includes 'Recent Items' with a link to 'Shubhangi Dutt'. The main form is titled 'Account Edit New Account' and contains sections for 'Account Information' and 'Address Information'. In the 'Account Information' section, fields include 'Account Owner' (Shubhangi Dutt), 'Account Name' (Shubhangi Dutt), 'Parent Account' (empty), 'Account Number' (4562024), 'Account Site' (New Jersey), 'Type' (Prospect), 'Industry' (Agriculture), 'Annual Revenue' (\$100,000), 'Rating' (Cold), 'Phone' (4562024), 'Fax' (empty), 'Website' (empty), 'Ticker Symbol' (empty), 'Ownership' (None), 'Employees' (empty), and 'SIC Code' (empty). The 'Address Information' section has fields for Billing Street, Billing City, Billing State/Province, Billing Zip/Postal Code, Billing Country, Shipping Street, Shipping City, Shipping State/Province, Shipping Zip/Postal Code, and Shipping Country. A 'Copy Billing Address to Shipping Address' link is present. The 'Additional Information' section includes 'Customer Priority' (None), 'SLA Expiration Date' (4/18/2022), 'Number of Locations' (empty), 'Active' (None), 'SLA' (None), 'SLA Serial Number' (empty), and 'Upsell Opportunity' (None). Buttons at the top right include 'Save', 'Save & New', and 'Cancel'. A 'Help for this Page' link is in the top right corner.

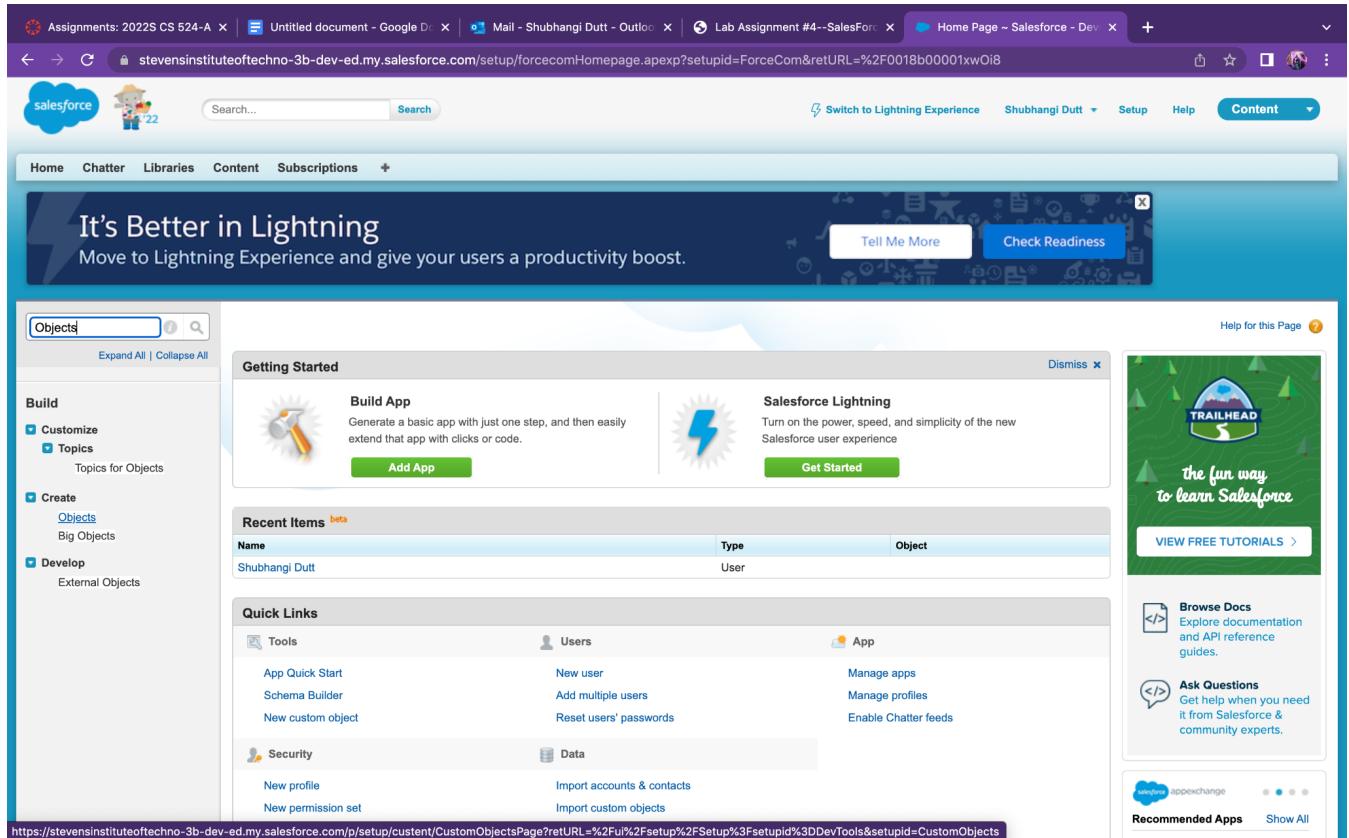
Step 5) I clicked on the ‘Save’ button and a new account was created.

The screenshot shows the Salesforce Home page for Shubhangi Dutt. The top navigation bar includes links for 'Assignments: 2022S CS 524-A', 'Untitled document - Google Doc', 'Mail - Shubhangi Dutt - Outlook', 'Lab Assignment #4--SalesFor...', and 'Account: Shubhangi Dutt ~ Sales...'. The main content area features a banner 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' Below the banner is a feed section for Shubhangi Dutt, which includes a 'Post' button, a 'File' button, a 'New Task' button, and a 'More' button. A text input field says 'Write something...' and a 'Share' button is available. A 'Follow' button and a 'Followers' section (showing 'No followers.') are also present. At the bottom, there are links for 'Customize Page | Edit Layout | Printable View | Help for this Page'. The 'Account Detail' section displays the account information: Account Owner (Shubhangi Dutt [Change]), Account Name (Shubhangi Dutt [View Hierarchy]), Parent Account (empty), Account Number (4562024), Account Site (New Jersey), Type (Prospect), Industry (Agriculture), Annual Revenue (\$100,000), Billing Address (empty), Customer Priority (empty), SLA Expiration Date (empty), Number of Locations (empty), Active (empty), Rating (Cold), Phone (4562024), Fax (empty), Website (empty), Ticker Symbol (empty), Ownership (empty), Employees (empty), SIC Code (empty), Shipping Address (empty), SLA (empty), SLA Serial Number (empty), and Upsell Opportunity (empty). Buttons at the top right of the detail section include 'Edit', 'Delete', 'Sharing', and 'Include Offline'.

C) Creating Custom Objects and Fields

Part I: Creating Custom Object

Step 1) I clicked on the ‘Setup’ option in the top most bar then searched for ‘Objects’ in the search box.



The screenshot shows the Salesforce Setup interface. At the top, there's a banner with the text "It's Better in Lightning" and "Move to Lightning Experience and give your users a productivity boost." Below the banner, a search bar contains the text "Objects". On the left, a sidebar titled "Getting Started" includes sections for "Build", "Create", and "Develop". Under "Create", the "Objects" option is selected. In the main content area, there's a "Recent Items" section showing a single item: "Shubhangi Dutt" (Type: User). Below that is a "Quick Links" section with categories like Tools, Users, App, Security, and Data, each with several links. To the right, there are promotional boxes for "Salesforce Lightning", "TRAILHEAD", "VIEW FREE TUTORIALS", "Browse Docs", "Ask Questions", and "Recommended Apps". The URL in the browser bar is <https://stevensinstituteoftechno-3b-dev-ed.my.salesforce.com/p/setup/custent/CustomObjectsPage?retURL=%2Fu%2Fsetup%2FSetup%3Fsetupid%3DDevTools&setupid=CustomObjects>.

Step 2) I selected the ‘Create Objects’ option and landed on the ‘Custom Objects’ page. I selected ‘New Custom Object’

The screenshot shows the Salesforce Lightning Experience interface. At the top, there are several tabs: 'Assignments: 2022S CS 524-A', 'Untitled document - Google Doc', 'Mail - Shubhangi Dutt - Outlook', 'Lab Assignment #4--SalesFor...', and 'Custom Objects ~ Salesforce'. The main header bar includes the Salesforce logo, a search bar, and navigation links for 'Switch to Lightning Experience', 'Shubhangi Dutt', 'Setup', 'Help', and 'Content'. Below the header, a banner says 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' with 'Tell Me More' and 'Check Readiness' buttons. The left sidebar contains sections for 'Lightning Experience Transition Assistant' (with a 'Get Started' button), 'Salesforce Mobile Quick Start' (with a 'Home' link), and 'Administrator' (with links for 'Release Updates', 'Manage Users', 'Manage Apps', 'Manage Territories', 'Company Profile', 'Data Classification', 'Privacy Center', 'Security Controls', and 'Domain Management'). The main content area is titled 'Custom Objects' and states 'Custom objects are database tables that allow you to store data specific to your organization in Salesforce. You can use custom objects to extend Salesforce functionality or to build new application functionality.' It also mentions that once created, custom objects can be used to create various Salesforce components like tabs and reports. A button at the bottom right of the content area says 'New Custom Object'.

Step 3) I entered the values as follows to setup the object :-

Label: Student Information

Plural Label: Student Information

Object Name: Student_Information

Context-Sensitive Help Setting: Open a window using a Visualforce page Record Name:

Student Name

Data Type: Text

Optional Features: All Checked except Enable Licensing

Object Classification: All Checked

Deployment Status: Deployed

Search Status: Unchecked Allow Search

Object Creation Options (Available only when custom object is first created): Launch New

Custom Tab Wizard after saving this custom object

The screenshot shows the Salesforce Lightning Experience interface. At the top, there are several tabs: 'Assignments: 2022S CS 524-A', 'Untitled document - Google Doc', 'Mail - Shubhangi Dutt - Outlook', 'Lab Assignment #4--SalesFor...', and 'New Custom Object ~ Salesfor...'. The main header includes the Salesforce logo, a search bar, and navigation links for 'Switch to Lightning Experience', 'Shubhangi Dutt', 'Setup', 'Help', and 'Content'.

The main content area displays a banner with the text 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' Below the banner, a message states 'Permissions for this object are disabled for all profiles by default. You can enable object permissions in permission sets or by editing custom profiles.' with options to 'Tell Me More' or 'Don't show this message again'.

The central form is titled 'Custom Object Definition Edit' and is divided into sections:

- Custom Object Information:** Fields include 'Label' (Student Information), 'Plural Label' (Student Information), and 'Example' (Account). A note says 'Starts with vowel sound' with an unchecked checkbox.
- Object Name:** Shows 'Object Name' (Student_Information) and 'Example' (Account).
- Description:** A large text input field.
- Context-Sensitive Help Setting:** Radio buttons for 'Open the standard Salesforce.com Help & Training window' (unchecked) and 'Open a window using a Visualforce page' (checked).
- Content Name:** A dropdown menu showing 'None'.

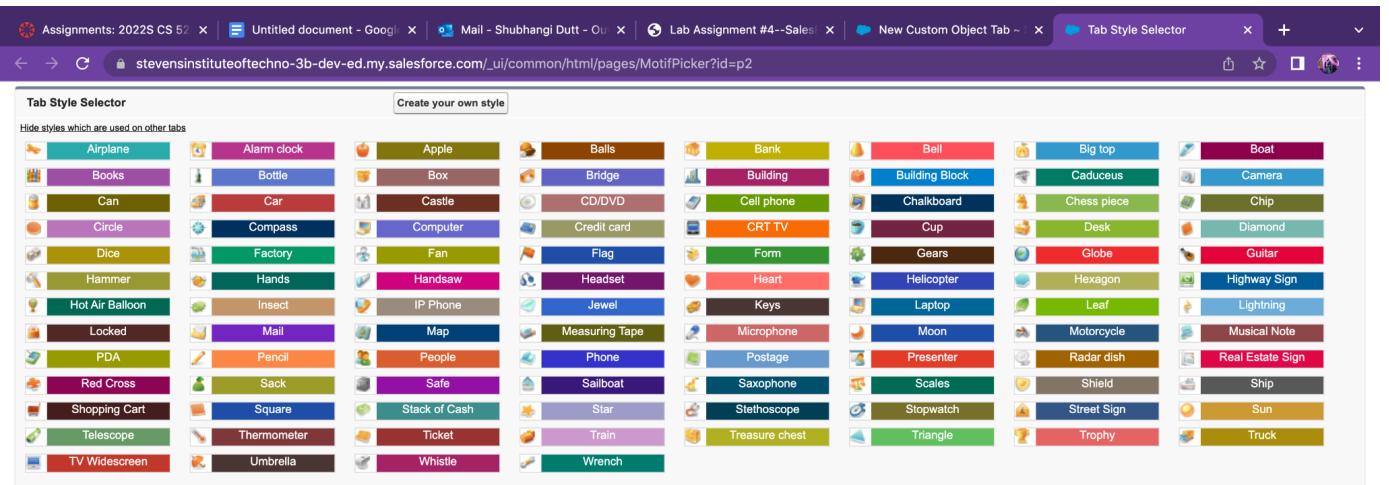
Below the form, there are sections for 'Enter Record Name Label and Format', 'Optional Features', 'Object Classification', 'Deployment Status', 'Search Status', and 'Object Creation Options'. The 'Content Name' dropdown in the 'Record Name' section is set to 'None'.

The left sidebar contains a 'Lightning Experience Transition Assistant' with a 'Get Started' button, and a 'Salesforce Mobile Quick Start' section with links to Home, Administer, and various system settings like Release Updates, Manage Users, etc.

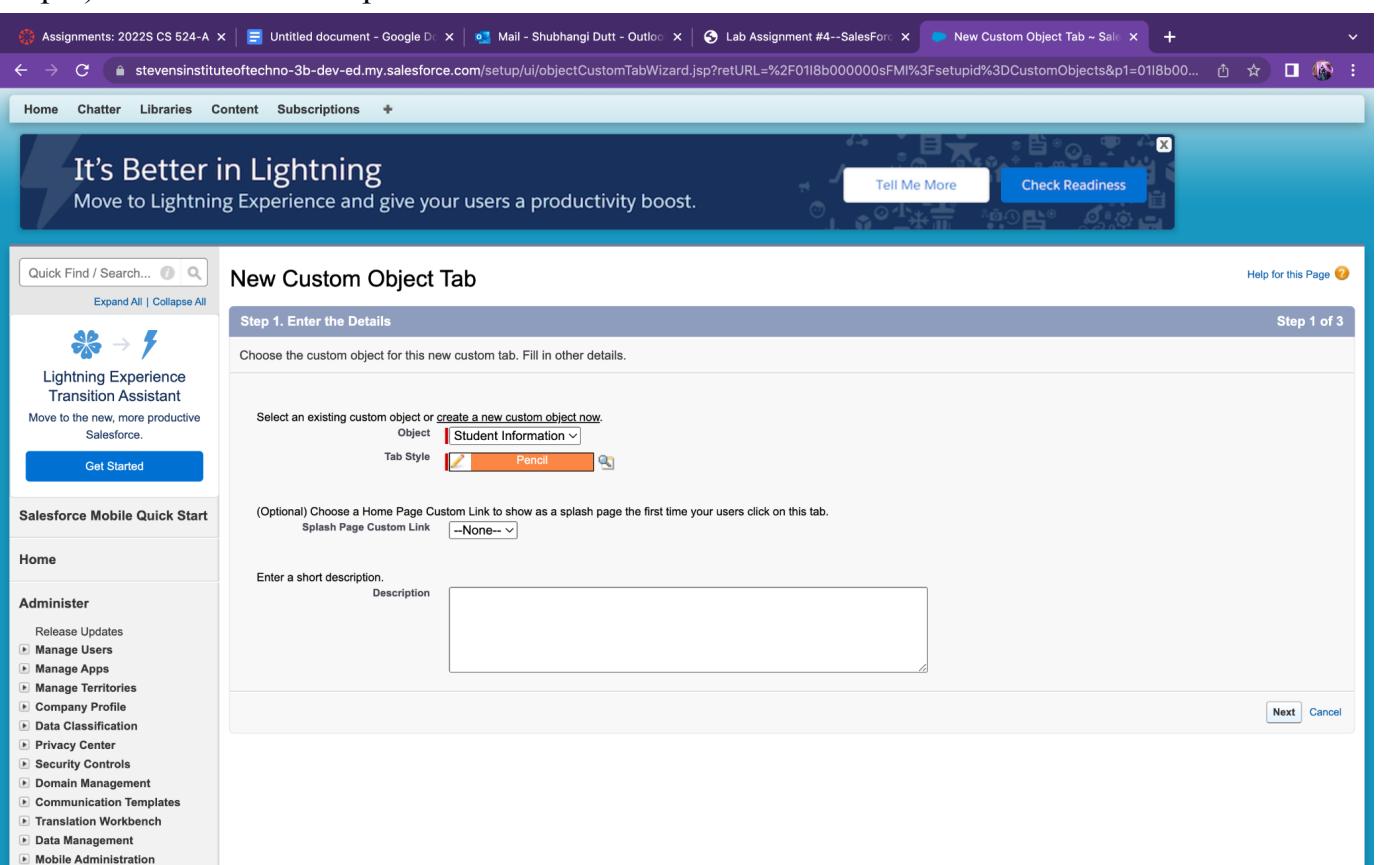
Step 4) Then I selected the 'Save' option.

Step 5) I landed on the ‘New Custom Object Tab’ page. I clicked on ‘Tab Style’.

Step 6) I selected the ‘Pencil style’.



Step 7) I clicked on next option.



Step 8) I selected ‘Apply one tab visibility to all profile’.

New Custom Object Tab

Step 2. Add to Profiles Step 2 of 3

Choose the user profiles for which the new custom tab will be available. You may also examine or alter the visibility of tabs from the detail and edit pages of each profile.

Profile	Tab Visibility
Analytics Cloud Integration User	Default On
Analytics Cloud Security User	Default On
Authenticated Website	Default On
Authenticated Website	Default On
Contract Manager	Default On
Cross Org Data Proxy User	Default On
Custom: Marketing Profile	Default On
Custom: Sales Profile	Default On
Custom: Support Profile	Default On
Customer Community Login User	Default On
Customer Community Plus Login User	Default On
Customer Community Plus User	Default On

Step 9) I clicked on Next.

Assignments: 2022S CS 524-A | Untitled document - Google Doc | Mail - Shubhangi Dutt - Outlook | Lab Assignment #4--SalesForc | New Custom Object Tab ~ Sale | +

stevensinstituteoftechno-3b-dev-ed.my.salesforce.com/setup/ui/objectCustomTabWizard.jsp

Email Administration

Force.com - App Subscription User

Force.com - Free User

Gold Partner User

High Volume Customer Portal

High Volume Customer Portal User

Identity User

Marketing User

Minimum Access - Salesforce

Partner App Subscription User

Partner Community Login User

Partner Community User

Read Only

Silver Partner User

Solution Manager

Standard Platform User

Standard User

System Administrator

Build

Customize

Create

Objects

Big Objects

Picklist Value Sets

Packages

Report Types

Tabs

Service Cloud Launch Pad

Action Link Templates

Global Actions

Workflow & Approvals

Develop

Lightning Bolt

Schema Builder

Lightning App Builder

Canvas App Previewer

Installed Packages

Package Usage

AppExchange Marketplace

Deploy

Deployment Settings

Deployment Status

Monitor

System Overview

Optimizer

Imports

Previous Next Cancel

Step 10) I clicked on ‘Save’.

The screenshot shows a browser window with several tabs open at the top: 'Assignments: 2022S CS 524-A', 'Untitled document - Google Doc', 'Mail - Shubhangi Dutt - Outlook', 'Lab Assignment #4--SalesFor...', and 'Salesforce - Developer Edition'. The main content area is titled 'Step 3. Add to Custom Apps'. It asks to choose custom apps for a new custom tab. A table lists various standard Salesforce apps, each with a checkbox labeled 'Include Tab'. Most checkboxes are checked. At the bottom left is a checked checkbox for 'Append tab to users' existing personal customizations'. At the bottom right are buttons for 'Previous', 'Save', and 'Cancel', with 'Save' being the highlighted button.

Custom App	<input checked="" type="checkbox"/> Include Tab
Platform (standard_Platform)	<input checked="" type="checkbox"/>
Sales (standard_Sales)	<input checked="" type="checkbox"/>
Service (standard_Service)	<input checked="" type="checkbox"/>
Marketing (standard_Marketing)	<input checked="" type="checkbox"/>
Sample Console (standard_ServiceConsole)	<input checked="" type="checkbox"/>
High Volume Customer Portal User	<input checked="" type="checkbox"/>
Authenticated Website User	<input checked="" type="checkbox"/>
App Launcher (standard_AppLauncher)	<input checked="" type="checkbox"/>
Community (standard_Community)	<input checked="" type="checkbox"/>
Site.com (standard_Sites)	<input checked="" type="checkbox"/>
Salesforce Chatter (standard_Chatter)	<input checked="" type="checkbox"/>
Content (standard_Content)	<input checked="" type="checkbox"/>
Analytics Studio (standard_Insights)	<input checked="" type="checkbox"/>
Sales Console (standard_LightningSalesConsole)	<input checked="" type="checkbox"/>
Service Console (standard_LightningService)	<input checked="" type="checkbox"/>
Sales (standard_LightningSales)	<input checked="" type="checkbox"/>
Lightning Usage App (standard_LightningInstrumentation)	<input checked="" type="checkbox"/>
Digital Experiences (standard_SalesforceCMS)	<input checked="" type="checkbox"/>
Queue Management (standard_QueueManagement)	<input checked="" type="checkbox"/>
Salesforce Scheduler Setup (standard_LightningScheduler)	<input checked="" type="checkbox"/>
Bolt Solutions (standard_LightningBolt)	<input checked="" type="checkbox"/>

Append tab to users' existing personal customizations

Previous Save Cancel

Part II: Creating Custom Fields

Step 1) I landed on the Custom Object Configuration Page and scrolled down to 'Custom Fields and Relationships. I selected the 'New' option.

The screenshot shows the 'Custom Object' configuration page for 'Student Information'. The left sidebar includes links for Lightning Experience Transition Assistant, Salesforce Mobile Quick Start, Home, and Administer (with sections for Release Updates, Manage Users, Manage Apps, etc.). The main content area displays the 'Custom Object Definition Detail' for 'Student Information'. It lists various settings such as Singular Label (Student Information), Plural Label (Student Information), Object Name (Student_Information), API Name (Student_Information__c), and various permissions like Enable Reports (checked), Track Activities (checked), Allow in Chatter Groups (checked), etc. It also shows deployment status (Deployed) and help settings. Below this is the 'Standard Fields' section, which lists fields like Created By, Last Modified By, Owner, and Student Name with their respective data types and tracking history checkboxes. Further sections include 'Custom Fields & Relationships' (no custom fields defined), 'Related Lookup Filters' (no related lookup filters defined), and 'Validation Rules' (no validation rules defined).

Step 2) I created the first custom field by selecting the following :-

Department: Field Type: Text Area Long

Field Label: Department Field Name: Department

Visible: Checked

Add to page layouts: Student Information Layout Checked

Salesforce Mobile Quick Start

- Home**
- Administrator**
 - Release Updates
 - Manage Users
 - Manage Apps
 - Manage Territories
 - Company Profile
 - Data Classification
 - Communication Templates
 - Translation Workbench
 - Data Management
 - Mobile Administration
 - Desktop Administration
 - Outlook Integration and Sync
 - Gmail Integration and Sync
 - Email Administration
 - Google Apps
 - Analytics
 - Data.com Administration
- Build**
 - Customize
 - Create
 - Apps
 - Custom Labels
 - Interaction Log Layouts
 - Objects
 - Big Objects
 - Picklist Value Sets
 - Packages
 - Report Types
 - Tabs
 - Service Cloud Launch Pad
 - Action Link Templates

Data Type

None Selected Select one of the data types below.

Auto Number A system-generated sequence number that uses a display format you define. The number is automatically incremented for each new record.

Formula A read-only field that derives its value from a formula expression you define. The formula field is updated when any of the source fields change.

Roll-Up Summary A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.

Lookup Relationship Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.

Master-Detail Relationship Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where:

- The relationship field is required on all detail records.
- The ownership and sharing of a detail record are determined by the master record.
- When a user deletes the master record, all detail records are deleted.
- You can create rollup summary fields on the master record to summarize the detail records.

External Lookup Relationship Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.

Checkbox Allows users to select a True (checked) or False (unchecked) value.

Currency Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.

Date Allows users to enter a date or pick a date from a popup calendar.

Date/Time Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.

Email Allows users to enter an email address, which is validated to ensure proper format. If this field is specified for a contact or lead, users can choose the address when clicking Send an Email. Note that custom email addresses cannot be used for mass emails.

Geolocation Allows users to define locations. Includes latitude and longitude components, and can be used to calculate distance.

Number Allows users to enter any number. Leading zeros are removed.

Percent Allows users to enter a percentage number, for example, '10' and automatically adds the percent sign to the number.

Phone Allows users to enter any phone number. Automatically formats it as a phone number.

Picklist Allows users to select a value from a list you define.

Picklist (Multi-Select) Allows users to select multiple values from a list you define.

Text Allows users to enter any combination of letters and numbers.

Text Area Allows users to enter up to 255 characters on separate lines.

Text Area (Long) Allows users to enter up to 131,072 characters on separate lines.

Text Area (Rich) Allows users to enter formatted text, add images and links. Up to 131,072 characters on separate lines.

Text (Encrypted) Allows users to enter any combination of letters and numbers and store them in encrypted form.

Time Allows users to enter a local time. For example, "2:40 PM", "14:40", "14:40:00", and "14:40:50.600" are all valid times for this field.

URL Allows users to enter any valid website address. When users click on the field, the URL will open in a separate browser window.

It's Better in Lightning
Move to Lightning Experience and give your users a productivity boost.

New Custom Field

Step 2. Enter the details

Field Label: Department

Length: 32,768 (Max 131,072)

Visible Lines: 3

Field Name: Department

Description:

Help Text:

Auto add to custom report type: Add this field to existing custom report types that contain this entity

Default Value: Show Formula Editor

Use formula syntax: Enclose text and picklist value API names in double quotes : ("the_text"), include numbers without quotes : (25), show percentages as decimal: (0.10), and express date calculations in the standard format: (Today) + 7. To reference a field from a Custom Metadata type record use: \${CustomMetadataType__mt RecordAPIName.FieldName}.

Step 2 of 4

Previous Next Cancel

Step 3. Establish field-level security

Field Label	Department	Visible	Read-Only
Data Type	Long Text Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Field Name	Department	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Description		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Select the profiles to which you want to grant edit access to this field via field-level security. The field will be hidden from all profiles if you do not add it to field-level security.			
Field-Level Security for Profile		<input checked="" type="checkbox"/> Visible	<input type="checkbox"/> Read-Only
Analytics Cloud Integration User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analytics Cloud Security User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Authenticated Website		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Authenticated Website		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contract Manager		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross Org Data Proxy User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Marketing Profile		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Sales Profile		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Support Profile		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Community Login User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Community Plus Login User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Community Plus User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Community User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Portal Manager Custom		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Customer Portal Manager Standard		<input checked="" type="checkbox"/>	<input type="checkbox"/>
External Apps Login User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
External Identity User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Force.com - App Subscription User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Force.com - Free User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gold Partner User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
High Volume Customer Portal		<input checked="" type="checkbox"/>	<input type="checkbox"/>
High Volume Customer Portal User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identity User		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marketing User		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Step 4. Add to page layouts

Field Label	Department	Add Field	Page Layout Name
Data Type	Long Text Area	<input checked="" type="checkbox"/>	
Field Name	Department	<input checked="" type="checkbox"/>	
Description		<input checked="" type="checkbox"/>	
Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.			
To change the location of this field on the page, you will need to customize the page layout.			
<input checked="" type="checkbox"/> Add Field <input type="checkbox"/> Page Layout Name <input checked="" type="checkbox"/> Student Information Layout			
When finished, click Save & New to create more custom fields, or click Save if you are done.			

I clicked on 'Save and new'.

The screenshot shows the Salesforce Lightning Experience interface. On the left, there's a sidebar with links like 'Home', 'Chatter', 'Libraries', 'Content', 'Subscriptions', 'Student Information', and a 'Lightning Experience Transition Assistant' section with a 'Get Started' button. The main content area has a banner saying 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' Below the banner, it says 'Student Information New Custom Field'. The current step is 'Step 4. Add to page layouts'. The configuration shows the field label 'Department', data type 'Long Text Area', and field name 'Cwid'. Under 'Visible', the checkbox is checked. In the 'Add to page layouts' section, 'Student Information Layout' is selected. At the bottom right, there are 'Save & New' and 'Cancel' buttons.

Step 3) I created the second custom field by selecting the following :-

Field Type: Text Area Long

Field Label: CWID

Field Name: Cwid

Visible: Checked

Add to page layouts: Student Information Layout Checked

The screenshot shows the "Data Type" section of the "New Custom Field Stage Manager" setup page. On the left, there's a sidebar with "Salesforce Mobile Quick Start" and "Administrator" sections. The main area lists various data types with their descriptions:

- None Selected**: Select one of the data types below.
- Auto Number**: A system-generated sequence number that uses a display format you define. The number is automatically incremented for each new record.
- Formula**: A read-only field that derives its value from a formula expression you define. The formula field is updated when any of the source fields change.
- Roll-Up Summary**: A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.
- Lookup Relationship**: Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.
 - The relationship field is required on all detail records.
 - The ownership and sharing of a detail record are determined by the master record.
 - When a user deletes the master record, all detail records are deleted.
 - You can create rollup summary fields on the master record to summarize the detail records.
- Master-Detail Relationship**: The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.
- External Lookup Relationship**: Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.
- Checkbox**: Allows users to select a True (checked) or False (unchecked) value.
- Currency**: Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.
- Date**: Allows users to enter a date or pick a date from a popup calendar.
- Date/Time**: Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.
- Email**: Allows users to enter an email address, which is validated to ensure proper format. If this field is specified for a contact or lead, users can choose the address when clicking Send an Email. Note that custom email addresses cannot be used for mass emails.
- Geolocation**: Allows users to define locations. Includes latitude and longitude components, and can be used to calculate distance.
- Number**: Allows users to enter any number. Leading zeros are removed.
- Percent**: Allows users to enter a percentage number, for example, '10' and automatically adds the percent sign to the number.
- Phone**: Allows users to enter any phone number. Automatically formats it as a phone number.
- Picklist**: Allows users to select a value from a list you define.
- Picklist (Multi-Select)**: Allows users to select multiple values from a list you define.
- Text**: Allows users to enter any combination of letters and numbers.
- Text Area**: Allows users to enter up to 255 characters on separate lines.
- Text Area (Long)**: Allows users to enter up to 131,072 characters on separate lines.
- Text Area (Rich)**: Allows users to enter formatted text, add images and links. Up to 131,072 characters on separate lines.
- Text (Encrypted)**: Allows users to enter any combination of letters and numbers and store them in encrypted form.
- Time**: Allows users to enter a local time. For example, "4:40 PM", "14:40", "14:40:00", and "14:40:50.600" are all valid times for this field.
- URL**: Allows users to enter any valid website address. When users click on the field, the URL will open in a separate browser window.

The screenshot shows the "Step 2. Enter the details" of the "New Custom Field" setup. The "Field Label" is set to "CWID". The "Length" is set to 32,768. The "Description" and "Help Text" fields are empty. Under "Default Value", there's a "Show Formula Editor" button. At the bottom, there are checkboxes for "Add this field to existing custom report types that contain this entity" and "Auto add to custom report type". The sidebar on the left includes the "Lightning Experience Transition Assistant" and the "Salesforce Mobile Quick Start" sections.

The screenshot shows the Salesforce Lightning Experience setup interface. The top navigation bar includes tabs for Assignments, Untitled document - Google, Mail - Shubhangi Dutt, Lab Assignment #4--Sales, Student Information: New, To The Stars Lyrics - The P, and others. The main header says "It's Better in Lightning" and "Move to Lightning Experience and give your users a productivity boost." Below this, the "Student Information" tab is selected. The current step is "Step 3. Establish field-level security". The left sidebar has sections for Home, Chatter, Libraries, Content, Subscriptions, and Administer, with sub-options like Release Updates, Manage Users, Manage Apps, etc. A "Lightning Experience Transition Assistant" sidebar offers a "Get Started" button. The main content area displays field details (Field Label: CWID, Data Type: Long Text Area, Field Name: CWID) and a table for setting field-level security for various user profiles. The table includes columns for "Visible" (checkbox), "Read-Only" (checkbox), and profile names. Most profiles have the "Visible" checkbox checked.

I clicked on ‘Save and New’

This screenshot shows the continuation of the custom field creation process. The top navigation bar and sidebar are identical to the previous screenshot. The current step is "Step 4 of 4". The main content area is titled "Step 4. Add to page layouts". It shows the same field details as before. Below the field details, there is a section for selecting page layouts. A checkbox labeled "Add Field Page Layout Name" is checked. Another checkbox labeled "Student Information Layout" is also checked. A note at the bottom says "When finished, click Save & New to create more custom fields, or click Save if you are done." The right side of the screen shows standard save buttons: Previous, Save & New, Save, and Cancel.

Step 3) I created the third custom field as follows:-

Field Type: Picklist

Field Label: Semester Values: Fall, Spring, Summer

Field Name: Semester

Visible: Checked

Add to page layouts: Student Information Layout Checked

The screenshot shows the Salesforce Lightning Experience Transition Assistant interface. On the left, there's a sidebar with sections like 'Quick Find / Search...', 'Lightning Experience Transition Assistant', 'Get Started', 'Salesforce Mobile Quick Start' (with Home and Administer sections), 'Build' (with Customize and Create sections), and 'Apps'. The main area is titled 'Student Information New Custom Field' and 'Step 1. Choose the field type'. It asks 'Specify the type of information that the custom field will contain.' Below is a table of data types:

Data Type	Description
<input type="radio"/> None Selected	Select one of the data types below.
<input type="radio"/> Auto Number	A system-generated sequence number that uses a display format you define. The number is automatically incremented for each new record.
<input type="radio"/> Formula	A read-only field that derives its value from a formula expression you define. The formula field is updated when any of the source fields change.
<input type="radio"/> Roll-Up Summary	A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.
<input type="radio"/> Lookup Relationship	Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.
<input type="radio"/> Master-Detail Relationship	Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where: <ul style="list-style-type: none">The relationship field is required on all detail records.The ownership and sharing of a detail record are determined by the master record.When a user deletes the master record, all detail records are deleted.You can create rollup summary fields on the master record to summarize the detail records. The relationship field allows users to click on a lookup icon to select a value from a popup list. The master object is the source of the values in the list.
<input type="radio"/> External Lookup Relationship	Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.
<input type="radio"/> Checkbox	Allows users to select a True (checked) or False (unchecked) value.
<input type="radio"/> Currency	Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.
<input type="radio"/> Date	Allows users to enter a date or pick a date from a popup calendar.
<input type="radio"/> Date/Time	Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.
<input type="radio"/> Email	Allows users to enter an email address, which is validated to ensure proper format. If this field is specified for a contact or lead, users can choose the address when clicking Send an Email. Note that custom email addresses cannot be used for mass emails.
<input type="radio"/> Geolocation	Allows users to define locations. Includes latitude and longitude components, and can be used to calculate distance.
<input type="radio"/> Number	Allows users to enter any number. Leading zeros are removed.
<input type="radio"/> Percent	Allows users to enter a percentage number, for example, '10' and automatically adds the percent sign to the number.
<input type="radio"/> Phone	Allows users to enter any phone number. Automatically formats it as a phone number.
<input checked="" type="radio"/> Picklist	Allows users to select a value from a list you define.
<input type="radio"/> Picklist (Multi-Select)	Allows users to select multiple values from a list you define.

The screenshot shows the "New Custom Field" setup page in the Lightning Experience. The field is labeled "Semester" and is defined as a picklist type. The values entered are "Fall", "Spring", and "Summer". Other configuration options include "Display values alphabetically, not in the order entered" (unchecked), "Use first value as default value" (unchecked), "Restrict picklist to the values defined in the value set" (checked), and "Always require a value in this field in order to save a record" (unchecked). The "Default Value" field is set to "Show Formula Editor". The sidebar on the left includes links for "Lightning Experience Transition Assistant", "Salesforce Mobile Quick Start", and "Administer" (with various management options like Release Updates, Manage Users, etc.).

The screenshot shows the "Step 3. Establish field-level security" page. It lists the profiles for which edit access is being granted: Analytics Cloud Integration User, Analytics Cloud Security User, Contract Manager, Cross Org Data Proxy User, Custom: Marketing Profile, Custom: Sales Profile, Custom: Support Profile, Force.com - App Subscription User, Force.com - Free User, Gold Partner User, Identity User, and Marketing User. For each profile, there are checkboxes for "Visible" (checked) and "Read-Only" (unchecked). The sidebar on the left is identical to the previous screenshot.

I clicked on 'save and new' option

The screenshot shows the Salesforce Lightning Experience interface. At the top, there are several tabs: Assignments: 2022S CS 52, Untitled document - Google Sheets, Mail - Shubhangi Dutt - Outlook, Lab Assignment #4--Salesforce!, Student Information: New, To The Stars Lyrics - The P... The URL in the address bar is stevensinstitutetechno-3b-dev-ed.my.salesforce.com/p/setup/field/NewCustomFieldStageManager.

The main header includes the Salesforce logo, a search bar, and navigation links for Home, Chatter, Libraries, Content, Subscriptions, Student Information, and more. On the right, there are links for Switch to Lightning Experience, Shubhangi Dutt, Setup, Help, and Content.

A prominent banner at the top says "It's Better in Lightning" and "Move to Lightning Experience and give your users a productivity boost." with "Tell Me More" and "Check Readiness" buttons.

The central content area is titled "Student Information" and "New Custom Field". It shows the configuration of a new field named "Semester". The field details are:

Field Label	Semester
Data Type	Picklist
Field Name	Semester
Description	

Below this, a note says: "Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout." There are two checkboxes: "Add Field" (checked) and "Page Layout Name" (checked). Below these checkboxes, it says "Student Information Layout".

At the bottom, there are buttons for "Previous", "Save & New" (highlighted), "Save", and "Cancel". To the right of the main content, there is a small preview window showing a mobile device displaying the Salesforce interface.

Step 4) I created the fourth custom field as follows:-

Field Type: Date

Field Label: Date of Joining

Field Name: Date of Joining

Visible: Checked

Add to page layouts: Student Information Layout Checked

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Student Information
New Custom Field

Step 1. Choose the field type

Specify the type of information that the custom field will contain.

Data Type

- None Selected Select one of the data types below.
- Auto Number A system-generated sequence number that uses a display format you define. The number is automatically incremented for each new record.
- Formula A read-only field that derives its value from a formula expression you define. The formula field is updated when any of the source fields change.
- Roll-Up Summary A read-only field that displays the sum, minimum, or maximum value of a field in a related list or the record count of all records listed in a related list.
- Lookup Relationship Creates a relationship that links this object to another object. The relationship field allows users to click on a lookup icon to select a value from a popup list. The other object is the source of the values in the list.
- Master-Detail Relationship Creates a special type of parent-child relationship between this object (the child, or "detail") and another object (the parent, or "master") where:
 - The relationship field is required on all detail records.
 - The ownership and sharing of a detail record are determined by the master record.
 - When a user deletes the master record, all detail records are deleted.
 - You can create rollup summary fields on the master record to summarize the detail records.
- External Lookup Relationship Creates a relationship that links this object to an external object whose data is stored outside the Salesforce org.
- Checkbox Allows users to select a True (checked) or False (unchecked) value.
- Currency Allows users to enter a dollar or other currency amount and automatically formats the field as a currency amount. This can be useful if you export data to Excel or another spreadsheet.
- Date Allows users to enter a date or pick a date from a popup calendar.
- Date/Time Allows users to enter a date and time, or pick a date from a popup calendar. When users click a date in the pop-up, that date and the current time are entered into the Date/Time field.

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Student Information
New Custom Field

Step 2. Enter the details

Field Label

Field Name

Description

Help Text

Required Always require a value in this field in order to save a record

Auto add to custom report type Add this field to existing custom report types that contain this entity

Default Value

Show Formula Editor

Use formula syntax: Enclose text and picklist value API names in double quotes : ("the_text"), include numbers without quotes : (25), show percentages as decimals: (0.10), and express date calculations in the standard format: (Today) + 7). To reference a field from a Custom Metadata type record use: \$CustomMetadata.Type__mdt.RecordAPIName.Field__c

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Student Information
New Custom Field

Step 3. Establish field-level security

Field Label	Date of joining
Data Type	Date
Field Name	Date_of_joining
Description	

Select the profiles to which you want to grant edit access to this field via field-level security. The field will be hidden from all profiles if you do not add it to field-level security.

Field-Level Security for Profile	Visible	Read-Only
Analytics Cloud Integration User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analytics Cloud Security User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Contract Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cross Org Data Proxy User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Marketing Profile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Sales Profile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Custom: Support Profile	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Force.com - App Subscription User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Force.com - Free User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Gold Partner User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Identity User	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marketing User	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I clicked on 'Save' option.

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Student Information
New Custom Field

Step 4. Add to page layouts

Field Label	Date of joining
Data Type	Date
Field Name	Date_of_joining
Description	

Select the page layouts that should include this field. The field will be added as the last field in the first 2-column section of these page layouts. The field will not appear on any pages if you do not select a layout.

To change the location of this field on the page, you will need to customize the page layout.

Add Field Page Layout Name
 Student Information Layout

When finished, click Save & New to create more custom fields, or click Save if you are done.

D) Creating record on Custom Object

Step 1) I clicked on the ‘Student Information’ tab in the tabs bar.

The screenshot shows the Salesforce Lightning Experience interface. At the top, there's a tabs bar with several items: 'Assignments: 2022S CS 524', 'Untitled document - Google', 'Mail - Shubhangi Dutt - Outbox', 'Lab Assignment #4--Sales...', 'Custom Object: Student In...', 'To The Stars Lyrics - The P...', and a '+' button. Below the tabs, the URL is 'stevensinstituteoftechno-3b-dev-ed.my.salesforce.com/018b000000sFMI?setupid=CustomObjects'. The main header has links for 'Home', 'Chatter', 'Libraries', 'Content', 'Subscriptions', 'Student Information', and a '+' button. A banner at the top says 'It's Better in Lightning' and 'Move to Lightning Experience and give your users a productivity boost.' with 'Tell Me More' and 'Check Readiness' buttons. The central content area is titled 'Custom Object' and 'Student Information'. It shows the 'Custom Object Definition Detail' for 'Student Information'. The table includes columns for Singular Label (Student Information), Plural Label (Student Information), Object Name (Student_Information), API Name (Student_Information__c), and various permissions like Enable Reports, Track Activities, etc. The 'Created By' field shows 'Shubhangi Dutt, 4/18/2022, 8:17 PM'. Below this is a 'Standard Fields' section with a table:

Action	Field Label	Field Name	Data Type	Controlling Field	Indexed	Track History
Edit	Created By	CreatedBy	Lookup(User)			<input type="checkbox"/>
Edit	Last Modified By	LastModifiedBy	Lookup(User)			<input type="checkbox"/>
Edit	Owner	Owner	Lookup(User,Group)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Edit	Student Name	Name	Text(80)		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Step 2) I landed on the student information page. I selected the ‘New’ option to create a record.

This screenshot shows the Salesforce Home page. The top navigation bar includes links for Assignments, Untitled document, Mail, Lab Assignment #4--Sales, Student Information: Home, and To The Stars Lyrics. The main menu bar has options like Home, Chatter, Libraries, Content, Subscriptions, and Student Information. The 'Student Information' tab is currently active, indicated by an orange highlight. On the left sidebar, there are buttons for 'Create New...', 'Recent Items' (listing 'Shubhangi Dutt'), and 'Recycle Bin'. The main content area is titled 'Student Information Home' and displays a message: 'No recent records. Click Go or select a view from the dropdown to display records.' At the bottom of the page, there is a copyright notice: 'Copyright © 2000-2022 salesforce.com, inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | 508 Compliance | Go to Salesforce mobile app'.

Step 3) I entered my information and clicked on ‘save’.

This screenshot shows the 'Student Information Edit' page for a new student record. The top navigation bar and sidebar are identical to the previous screenshot. The main content area is titled 'New Student Information' and contains a 'Student Information Edit' form. The form fields are as follows: Student Name (Shubhangi Dutt), Department (Computer Science), CWID (2345123), Semester (Spring), and Date of joining (1/18/2022). There are three buttons at the bottom of the form: 'Save', 'Save & New', and 'Cancel'. The 'Save' button is highlighted. The status bar at the bottom of the page indicates: 'Copyright © 2000-2022 salesforce.com, inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | 508 Compliance | Go to Salesforce mobile app'.

Step 4) My information was saved and was reflected in the records.

The screenshot shows a Salesforce page for the "Student Information" object. The page title is "Student Information: Shubhangi Dutt". The main content area displays the "Student Information Detail" for Shubhangi Dutt, with the following fields:

Field	Value
Student Name	Shubhangi Dutt
Department	Computer Science
CWID	2345123
Semester	Spring
Date of joining	1/18/2022
Created By	Shubhangi Dutt, 4/18/2022, 8:49 PM

Below the detail section, there are two sections: "Open Activities" and "Activity History", both of which show "No records to display". The page includes standard Salesforce navigation and utility buttons like "Edit", "Delete", "Clone", and "Sharing". The footer contains copyright information and links to various Salesforce help resources.

E) Retrieving the created records using SOQL

Step 1) I went on the ‘User menu’.

The screenshot shows the Salesforce User menu interface. At the top, there are several tabs: Assignments: 2022S CS 52, Untitled document - Google Sheets, Mail - Shubhangi Dutt - Outbox, Lab Assignment #4--Sales, Student Information: Shubhangi Dutt, and To The Stars Lyrics - The F. In the center, the URL is stevensinstituteoftechno-3b-dev-ed.my.salesforce.com/a008b00001K0vNP. The main content area is titled "Student Information" and shows a record for "Shubhangi Dutt". The record details are:

Field	Value
Student Name	Shubhangi Dutt
Department	Computer Science
CWID	2345123
Semester	Spring
Date of joining	1/18/2022
Created By	Shubhangi Dutt, 4/18/2022, 8:49 PM
Last Modified By	Shubhangi Dutt, 4/18/2022, 8:49 PM

Below the record detail, there are sections for "Open Activities" and "Activity History", both of which show "No records to display". The bottom of the page includes copyright information: Copyright © 2000-2022 salesforce.com, Inc. All rights reserved. | Privacy Statement | Security Statement | Terms of Use | 508 Compliance | Go to Salesforce mobile app.

Step 2) I selected the developer console from the drop down list.

The screenshot shows the Salesforce interface for the 'Student Information' object. The top navigation bar includes links for Assignments, Untitled document, Mail, Lab Assignment #4, Student Information, To The Stars Lyrics, and various setup and help options. The main content area displays 'Student Information Detail' for Shubhangi Dutt, with fields for Student Name (Shubhangi Dutt), Department (Computer Science), CWID (2345123), Semester (Spring), and Date of joining (1/18/2022). Buttons for Edit, Delete, Clone, and Sharing are available. The Owner is listed as Shubhangi.Dutt (Change). Below this, sections for 'Open Activities' and 'Activity History' are shown, each with New Task and New Event buttons. A sidebar on the left lists Recent Items including Shubhangi Dutt, Shubhangi Dutt, and Shubhangi Dutt. A 'Recycle Bin' section is also present. The bottom of the page includes copyright information and a link to the mobile app.

Step 3) I opened the Query Editor.

The screenshot shows the Salesforce Developer Console Query Editor. The top navigation bar includes links for Assignments, Untitled document, Mail, Lab Assignment #4, Student Information, Developer Console, To The Stars Lyrics, and various setup and help options. The main content area features a tabs bar with 'Logs', 'Tests', 'Checkpoints', 'Query Editor' (which is selected and highlighted in orange), 'View State', 'Progress', and 'Problems'. The 'Query Editor' tab contains a text input field with the query: 'Enter SOQL or SOSL query: SELECT columns FROM type WHERE predicates | FIND what IN type FIELDS RETURNING type(columns)[...]' and a status message 'Any query errors will appear here...'. Below the input field is an 'Execute' button and a 'Use Tooling API' checkbox. To the right of the input field is a 'History' panel showing a single entry: 'Executed'.

Step 4) I wrote my first query and selected 'Execute' option
Query :- SELECT Id, Name FROM Account WHERE Name = 'Shubhangi Dutt'
And got the Id and Name of the said record as my output.

The screenshot shows the Salesforce Developer Console interface. At the top, there are several tabs: Assignments: 2022S, Untitled document - c, Mail - Shubhangi Dutt, Student Information, Lab Assignment #4..., Developer Console, and To The Stars Lyrics. The main area displays a query result for an Account record named 'Shubhangi Dutt'.

Query Results - Total Rows: 1

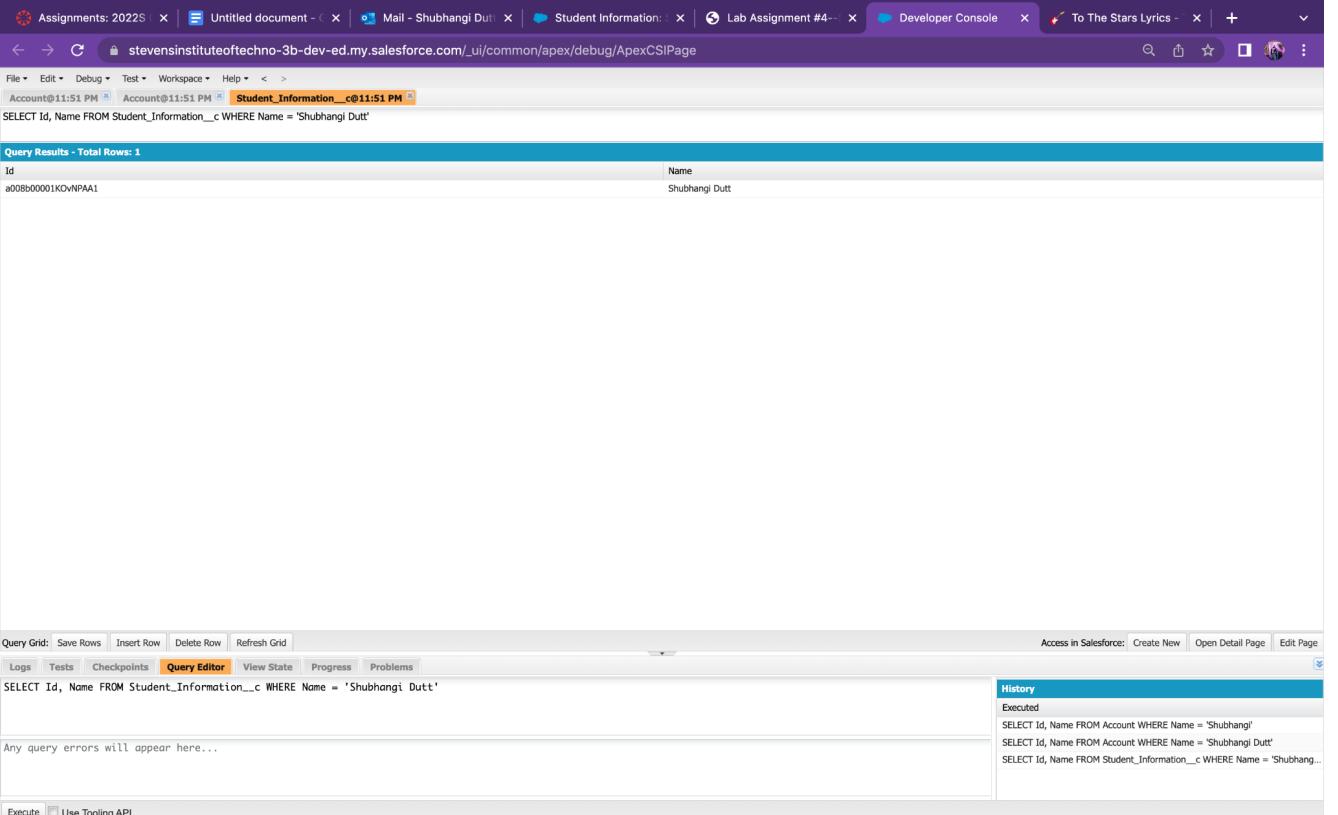
Id	Name
01Bb00001xwO8AAE	Shubhangi Dutt

Below the results, the Query Editor tab is selected, showing the query: `SELECT Id, Name FROM Account WHERE Name = 'Shubhangi Dutt'`. The History panel on the right shows the same query was executed.

Step 5) I wrote my second query and selected ‘Execute’ option

Query :- `SELECT Id, Name FROM Student_Information__c WHERE Name = 'Shubhangi Dutt'`

And got the Id and Name of the said record as my output.



The screenshot shows the Salesforce Developer Console interface. At the top, there are several tabs: Assignments: 2022S, Untitled document - C, Mail - Shubhangi Dutt, Student Information, Lab Assignment #4--, Developer Console, and To The Stars Lyrics. The main area displays a query result for the 'Student_Information__c' object. The query is:

```
SELECT Id, Name FROM Student_Information__c WHERE Name = 'Shubhangi Dutt'
```

The results table has two columns: 'Id' and 'Name'. One row is shown, with the 'Id' value being 'a00B00001KDvNPAA1' and the 'Name' value being 'Shubhangi Dutt'. Below the table, there is a 'Logs' section with tabs for 'Logs', 'Tests', 'Checkpoints', and 'Query Editor' (which is selected). The 'Logs' tab shows the executed query. The 'History' section on the right lists previous queries, all of which have been 'Executed'. The history entries are:

- SELECT Id, Name FROM Account WHERE Name = 'Shubhangi'
- SELECT Id, Name FROM Account WHERE Name = 'Shubhangi Dutt'
- SELECT Id, Name FROM Student_Information__c WHERE Name = 'Shubhangi Dutt'