



Capstone Project Report  
On  
**“Travel App & Code Playground  
Applications”**

Submitted by:

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**Github link:** <https://github.com/charantejas/SalesForce-Capstone.git>

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## **Abstract**

Salesforce, Inc. is an American cloud-based software company headquartered in San Francisco, California. It provides customer relationship management (CRM) software and applications focused on sales, customer service, marketing automation, analytics, and application development.

Salesforce's main technologies are tools for customer management. Other products enable customers to create apps, integrate data from other systems, visualize data, and offer training courses.

Force.com applications are built using declarative tools, backed by Lightning and Apex, a proprietary Java-like programming language for Force.com, as well as Visualforce, a framework including an XML syntax typically used to generate HTML. The Force.com platform typically receives three complete releases a year. As the platform is provided as a service to its developers, every single development instance also receives all these updates.

In this Project we work on Creation of Travel App, with custom Objects and fields and Flows to Automate the process of records, Creation of Approval process, Modifying the user interface, Creating Reports and Dashboards for analytics purposes.

In this Project we also develop the Code Playground app through a coding approach by using Apex Classes and Triggers, we extend the functional capabilities of the App.

## Introduction

Salesforce is a cloud-based software company that provides its customers with a platform to develop their own applications without following the tough steps that they used to follow in the legacy system. The software or application once created can be uploaded onto the cloud allowing the end-users to view them.

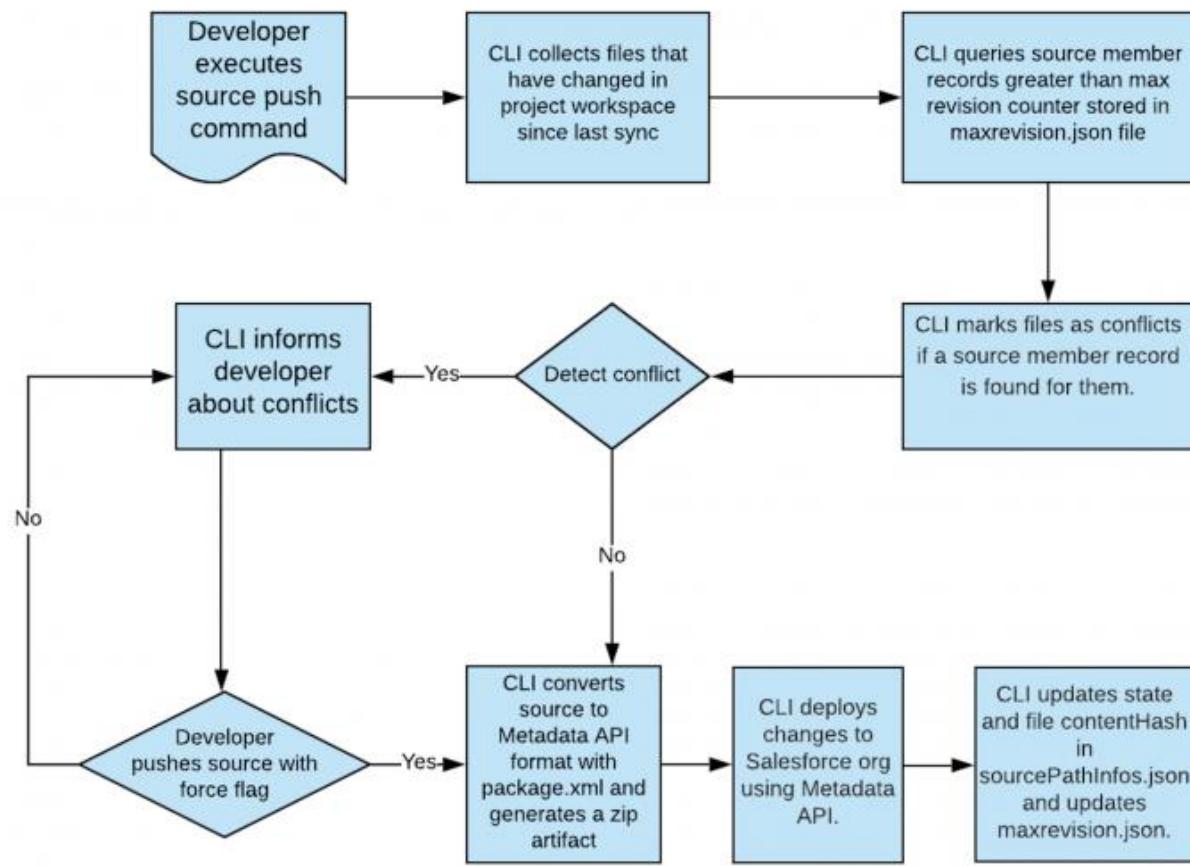
Salesforce is currently providing various software solutions and platforms for developers to create and distribute custom software/applications. Tech giants like Google, Twitter, Amazon, and Facebook are using Salesforce either in the form of SaaS or PaaS.



*Salesforce developers can make an application on the cloud and share it with multiple companies across multiple domains by using Salesforce.*

Talking about HR systems, every company across the globe has an HR team. Each HR team would require an HR application to store employee records. Almost all specifications for such an application would be common for all companies. So, as a developer, it would be very easy to create a Salesforce application for such specifications, post it onto the cloud, and provide it as a service to multiple clients at the same time. Maintenance of the same can be done altogether too. So basically, the problem of scalability gets eliminated.

## Flow of the Project



# Software Requirements

For the fastest and most stable experience, we recommend:

- An Octane 2.0 score of 30,000 or greater
- Network latency of 150 ms or less
- Download speed of 3 Mbps or greater
- At least 8 GB of RAM, with 3 GB available for Salesforce browser tabs

Minimum requirements are:

- An Octane 2.0 score of 20,000 or greater
- Network latency of 200 ms or less
- Download speed of 1 Mbps or greater
- At least 5 GB of RAM, with 2 GB available for Salesforce browser tabs

**OR**

Requirements	
Windows	
<b>Operating system</b>	<a href="#">Windows 8.1</a> 64-bit, <a href="#">Windows 8</a> 64-bit, Windows 7 Service Pack 1 64-bit, Windows Vista Service Pack 2 64-bit
<b>CPU</b>	<a href="#">Core 2 Quad</a> Q6600 at 2.4 GHz or <a href="#">AMD Phenom</a> 9850 at 2.5 GHz
<b>Memory</b>	4 GB <a href="#">RAM</a>
<b>Free space</b>	65 GB of free space
<b>Graphics hardware</b>	DirectX 10-compatible <a href="#">GPU: GeForce</a>

	<a href="#"><u>9800GT</u></a> 1GB or <a href="#"><u>ATI</u></a> <a href="#"><u>Radeon HD 4870</u></a> 1GB
<b>Sound hardware</b>	<a href="#"><u>DirectX</u></a> 10 compatible <a href="#"><u>sound card</u></a>

# Module - 1

## Screenshots

### Exercise - 1

#### Step - 1

The screenshot shows the Salesforce Chatter interface for the 'Travel App' application. The top navigation bar includes links for Chatter, Reports, Dashboards, Departments, and Travel Approvals. On the left, a sidebar displays 'What I Follow', 'To Me', 'Bookmarked', and 'Company Highlights'. It also shows 'My Drafts', 'STREAMS' (with a note about no streams), and 'RECENT GROUPS' (with a note about no groups). The main feed shows a post from 'Sirigiri Charan Teja' (@Eric Executive) asking which department to associate a travel request with. Below the post are 'Like', 'Comment', and 'Share' buttons, and a comment input field. A sidebar on the right shows the user profile of 'Sirigiri Charan Teja' (empathetic-raccoon-h70bv8-dev-ed.trail...) with options for 'DISPLAY DENSITY' (set to 'Comfy'), 'OPTIONS' (including 'Switch to Salesforce Classic'), and a message about joining in the last month. A modal at the bottom right encourages users to 'Stay ahead of incidents' with the Customer Service Incident Management solution.

## Step-2

### Created Department Custom Object

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The left sidebar under 'Department' lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Triggers, and Flow Triggers. The main 'Details' tab displays the API Name as 'Department\_\_c', Singular Label as 'Department', and Plural Label as 'Departments'. On the right, a user profile for 'Sirigiri Charan Teja' is shown, along with 'DISPLAY DENSITY' settings (set to 'Comfy'), 'OPTIONS' (with links to 'Switch to Salesforce Classic' and 'Add Username'), and other object settings like 'Enable Reports', 'Track Activities', 'Track Field History', 'Deployment Status' (set to 'Deployed'), and 'Help Settings'.

### Created Department Custom Tab

The screenshot shows the Salesforce 'Tabs' page under 'User Interface'. The left sidebar has a search bar and sections for 'User Interface' (with 'Rename Tabs and Labels' and 'Tabs' selected) and 'Global Search'. The main area displays a 'Custom Object Tab' named 'Departments'. A message says 'Below is the information for the custom tab. Click Edit to change the custom tab.' Below this is a 'Custom Tab Definition Detail' table:

Tab Label	Departments	Edit	Delete
Object	Department		
Description			
Created By	Sirigiri Charan Teja, 14/02/2023, 4:38 pm		
Modified By	Sirigiri Charan Teja, 14/02/2023, 4:36 pm		

On the right, there are tabs for 'Tab Style' (set to 'Books') and 'Splash Page Custom Link'. The top right corner shows the user profile 'Sirigiri Charan Teja' and navigation icons.

## Step-3

### Created all required Custom fields

The screenshot shows the Salesforce Object Manager interface for the 'Department' object. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays the 'Fields & Relationships' section, which lists seven items. The fields are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLS
Created By	CreatedById	Lookup(User)	
Department Code	Department_Code__c	Text(10) (Unique Case Sensitive)	
Department Name	Name	Text(80)	
Department Type	Department_Type__c	Picklist	Location
Last Modified By	LastModifiedById	Lookup(User)	
Location	Location__c	Picklist	
Owner	OwnerId	Lookup(User,Group)	

The right sidebar shows user information (Sirigiri Charan Teja) and display density settings (Comfy). There are also options to switch to Salesforce Classic or add a username.

### Created Field Dependency

The screenshot shows the 'Edit Field Dependency' screen for the 'Department' object. The left sidebar is identical to the previous screenshot. The main area shows the 'Edit Field Dependency' configuration for the 'Location' field, which depends on the 'Department Type' field. The 'Instructions' section provides guidance on how to use the dependency matrix. The matrix itself has 'Location' as the controlling field and 'Department Type' as the dependent field. The matrix shows the following data:

Controlling Field	Dependent Field	Value
Location	Department Type	Banking
Location	Department Type	Finance
Location	Department Type	Energy
Location	Department Type	IT
Location	Department Type	Education
Delhi	Banking	Banking
Delhi	Finance	Finance
Delhi	Energy	Energy
Delhi	IT	IT
Delhi	Education	Education

Buttons at the bottom include Save, Cancel, and Preview. The right sidebar includes a legend for 'Excluded Value' (gray) and 'Included Value' (yellow).

## Step-4

### Created the required Travel Approval Object

Click to go back, hold to see history

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
Travel Approval

DISPLAY DENSITY

Sirigiri Charan Teja  
empathetic-raccoon-h70bv8-dev-ed.trail...  
Settings Log Out

Comfy

Compact

OPTIONS

Enable Reports ✓

Track Activities ✓

Track Field History ✓

Deployment Status Deployed

Help Settings Standard salesforce.com Help Window

Details		Details	
Fields & Relationships	Description	API Name	Travel_Approval__c
Page Layouts		Custom	✓
Lightning Record Pages		Singular Label	Travel Approval
Buttons, Links, and Actions		Plural Label	Travel Approvals
Compact Layouts			
Field Sets			
Object Limits			
Record Types			
Related Lookup Filters			
Search Layouts			
List View Button Layout			
Restriction Rules			
Scoping Rules			
Triggers			
Flow Triggers			

### Created the Required Fields

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
Travel Approval

DISPLAY DENSITY

Sirigiri Charan Teja  
empathetic-raccoon-h70bv8-dev-ed.trail...  
Settings Log Out

Comfy

Compact

OPTIONS

New Deleted Fields

Fields & Relationships			
13 Items, Sorted by Field Label			
FIELD LABEL	FIELD NAME	DATA TYPE	CON
Created By	CreatedById	Lookup(User)	
Department	Department__c	Lookup(Department)	
Destination State	Destination_State__c	Text(2)	
Last Modified By	LastModifiedById	Lookup(User)	
Out-of-State	Out_of_State__c	Checkbox	✓
Owner	OwnerId	Lookup(User,Group)	
Purpose of Trip	Purpose_of_Trip__c	Text Area(255)	
Status	Status__c	Picklist	
Status Indicator	Status_Indicator__c	Formula (Text)	
Total Expenses	Total_Expenses__c	Roll-Up Summary (SUM Expense Item)	
Travel Approval #	Name	Auto Number	✓

# After Testing the App

The screenshot shows a Salesforce page for a travel approval. At the top, there's a navigation bar with links for Travel App, Chatter, Reports, Dashboards, Departments, and Travel Approvals. The main content area displays a travel approval record for "Travel Approval # TA-00001". The "Details" tab is selected, showing fields like Status (Approved), Total Expenses (₹1,320.00), and Department (Technology). A "Trip Info" section includes fields for Purpose of Trip (Attend Dreamforce), Out-of-State (checked), Destination State (CA), and Last Modified By (Sirigiri Charan Teja). On the right side, a sidebar shows the user profile of Sirigiri Charan Teja and various settings like DISPLAY DENSITY (Comfy), ACTIVITY (empty), and OPTIONS (Switch to Salesforce Classic, Add Username).

## Step – 5

### Imported Department s.CSV file using Data Import Wizard

The screenshot shows a Salesforce list view for departments. The top navigation bar is identical to the previous screenshot. The main content area displays a list of 16 departments, each with a checkbox and a link to its detail page. The departments listed are: Audit Services, Contract Management, Disability Determination Bureau, Division of Aging, Division of Disability and Rehabilitative Services, Division of Family Resources, Division of Finance, Division of Mental Health and Addiction, Human Resources, Legislative Services, Office of Communications and Media, Office of Early Childhood and Out-of-School Learning, Office of General Counsel, Office of Medicaid Policy and Planning, Quality and Compliance Office, and Technology. The right sidebar shows the user profile and settings.

Rank	Department Name
1	Audit Services
2	Contract Management
3	Disability Determination Bureau
4	Division of Aging
5	Division of Disability and Rehabilitative Services
6	Division of Family Resources
7	Division of Finance
8	Division of Mental Health and Addiction
9	Human Resources
10	Legislative Services
11	Office of Communications and Media
12	Office of Early Childhood and Out-of-School Learning
13	Office of General Counsel
14	Office of Medicaid Policy and Planning
15	Quality and Compliance Office
16	Technology

## Exercise – 2

### Step – 1

#### Created Travel Approval Record

The screenshot shows a custom Salesforce application interface for a "Travel App". The top navigation bar includes links for Chatter, Reports, Dashboards, Departments, and Travel Approvals. The main content area displays a "Travel Approval" record with ID TA-00001. The "Details" tab is selected, showing the following fields:

- Travel Approval #: TA-00001
- Status: Approved
- Total Expenses: ₹1,320.00
- Status Indicator: A green checkmark icon.
- Trip Info**:
  - Purpose of Trip: Attend Dreamforce
  - Trip Start Date: 14/02/2023
  - Trip End Date: 21/02/2023
  - Created By: Sirigiri Charan Teja
  - Last Modified By: Sirigiri Charan Teja
- Owner: Sirigiri Charan Teja
- Department: Technology
- Out-of-State: Checked
- Destination State: CA

The right sidebar contains a user profile for Sirigiri Charan Teja, settings for "DISPLAY DENSITY" (set to "Comfy"), and sections for "Activity" (empty), "Upcoming & Overdue" (empty), and "Past Activity" (empty).

### Step – 2

#### Created Expense Item Custom Object

The screenshot shows the "Expense Item" object setup page in the Salesforce Setup menu. The left sidebar lists various configuration options like Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Restriction Rules, Scoping Rules, Triggers, Flow Triggers, and Validation Rules. The main content area displays the "Details" section for the "Expense Item" object, which includes:

- Description
- API Name: Expense\_Item\_\_c
- Custom: Checked
- Singular Label: Expense Item
- Plural Label: Expense Items

The right sidebar contains a user profile for Sirigiri Charan Teja, settings for "DISPLAY DENSITY" (set to "Comfy"), and sections for "Enable Reports" (checked), "Track Activities", "Track Field History", "Deployment Status" (Deployed), "Help Settings", and "Standard salesforce.com Help Window".

## Step – 3

### Created Custom Fields

The screenshot shows the Salesforce Setup interface under the Object Manager for the 'Expense Item' object. The left sidebar lists various setup categories like Details, Fields & Relationships, Page Layouts, etc. The main area displays a table of custom fields:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROL
Amount	Amount__c	Currency(16, 2)	
Created By	CreatedById	Lookup(User)	
Expense Item Number	Name	Auto Number	
Expense Type	Expense_Type__c	Picklist	
Last Modified By	LastModifiedById	Lookup(User)	
Travel Approval	Travel_Approval__c	Master-Detail(Travel Approval)	

The right side of the screen shows the user profile of Sirigiri Charan Teja and various display density and options settings.

## Step – 4

### Create Record

The screenshot shows the Travel App interface with the 'Travel Approvals' tab selected. The page displays a table of expense items:

Expense Item Number	Expense Type	Amount
1 E-00001	Airfare	₹450.00
2 E-00002	Hotel	₹870.00

The right side of the screen shows the user profile of Sirigiri Charan Teja and various display density and options settings.

## Step – 5

### Created User Eric

The screenshot shows the Salesforce Setup interface under the 'Users' section. A new user record is being created for 'Eric Executive'. The user details include:

- Name: Eric Executive
- Alias: eexec
- Email: devilhere1432@gmail.com
- Username: eric.desrvi@gmail.com
- Nickname: eric.exec
- Title: Manager
- Company: (not specified)
- Department: (not specified)
- Division: (not specified)
- Address: (not specified)
- Time Zone: (GMT+05:30) India Standard Time (Asia/Kolkata)
- Locale: English (India)
- Language: English
- Delegated Approver: Manager
- Receive Approval Request Emails: Only if I am an approver
- Federation ID: (not specified)
- App Registration: One-Time Password Authenticator
- App Registration: Salesforce Authenticator
- Security Key (OTP or WebAuthn): (not specified)

The 'Role' field is set to 'System Administrator'. Other settings like 'User License', 'Profile', 'Active', 'Marketing User', etc., are also configured. The right sidebar shows the user's profile and various display density and options settings.

## Step – 6

### Added Eric Executive as Manager to System Administrator

The screenshot shows the continuation of the user setup process. The 'Mailing Address' section is filled with placeholder values. The 'Single Sign On Information' section has a 'Federation ID' field. The 'Locale Settings' section shows the time zone as '(GMT+05:30) India Standard Time (Asia/Kolkata)', locale as 'English (India)', and language as 'English'. In the 'Approver Settings' section, the 'Manager' field is populated with 'Eric Executive'. The 'Receive Approval Request Emails' dropdown is set to 'Only if I am an approver'. At the bottom, there are 'Save', 'Save & New', and 'Cancel' buttons.

## Step – 7

### Customized the Travel Approval Default Search

Setup Home Object Manager

Search Layouts

Travel Approval Search Results

Available Fields

- Record ID
- Out-of-State
- Status Indicator
- Total Expenses
- Owner Alias
- Owner First Name
- Owner Last Name
- Created By Alias
- Created By
- Created Date
- Last Modified By Alias

Selected Fields

- Travel Approval #
- Purpose of Trip
- Department
- Status
- Destination State
- Trip Start Date
- Trip End Date

Add Remove Up Down

Override the search result column customizations for all users

Standard Buttons

Custom Buttons

Save Cancel

Sirigiri Charan Teja  
empathetic-raccoon-h70bv8-dev-ed.trail...  
Settings Log Out

DISPLAY DENSITY  
Comfy Compact

OPTIONS  
Switch to Salesforce Classic Add Username

## Step – 8

### Selected all the fields to display

Travel Approvals All

50+ items • Sorted by Travel Approval # - Filtered by All travel approvals • Updated a few seconds ago

Travel Approval #	Department
TA-00001	Technology
TA-00002	Disability Determination
TA-00003	Division of Disability
TA-00004	Division of Finance
TA-00005	Division of Aging
TA-00006	Technology
TA-00007	Division of Disability
TA-00008	Disability Determination
TA-00009	Contract Management
TA-00010	Division of Disability
TA-00011	Office of Communications
TA-00012	Office of Medicaid Policy
TA-00013	Division of Family Resources
TA-00014	Human Resources
TA-00015	Division of Disability and Rehabilitative Services
TA-00016	Office of General Counsel
TA-00017	Legislative Services
TA-00018	Quality and Compliance Office

Select Fields to Display

Available Fields

- Created By Alias
- Created Date
- Destination State
- Last Activity Date
- Last Modified By
- Last Modified By Alias

Visible Fields

- Travel Approval #
- Department
- Created By
- Status
- Trip Start Date
- Trip End Date

Cancel Save

Trip Start Date	Trip End Date
14/02/2023	21/02/2023
10/01/2019	10/01/2019
04/03/2019	04/06/2019
03/09/2019	03/09/2019
11/05/2019	11/11/2019
03/06/2019	03/09/2019
11/06/2019	11/12/2019
03/06/2019	03/07/2019
05/11/2019	05/11/2019
07/07/2019	07/07/2019
06/02/2019	06/12/2019
11/05/2019	11/11/2019
04/01/2019	04/01/2019
07/09/2019	07/11/2019
10/11/2019	10/12/2019
12/06/2019	12/08/2019
06/03/2019	06/03/2019
02/05/2019	02/05/2019

## Step – 9

### Created Travel approval custom List view Open Out of State Travel Requests

Travel Approvals  
Open Out of State Travel Requests

No items to display.

Filters

- Filter by Owner  
My travel approvals
- Matching all of these filters
  - Out-of-State equals True
  - Status not equal to Approved, Rejected

Add Filter Remove All

Add Filter Logic

## Step – 10

### Selected fields to display in the Travel Approval Open Out of State Travel Requests

Select Fields to Display

Available Fields

- Created By Alias
- Created Date
- Last Activity Date
- Last Modified By
- Last Modified By Alias
- Last Modified Date

Visible Fields

- Travel Approval #
- Department
- Created By
- Status
- Destination State
- Trip Start Date

Cancel Save

## Step – 11

# Customized Travel Approval Page Layout

The screenshot shows the Lightning App Builder interface with the following details:

- Header:** Shows "Lightning App Builder" and "Pages".
- Toolbar:** Includes icons for back, forward, search, and a "Save" button.
- Components & Fields:** A sidebar on the left containing a search bar and a list of components under "Standard (37)".
- Page Preview:** Displays the "Travel Approval TA-00001" record page. The page has two main sections: "Related" and "Details". The "Details" section includes fields for "Travel Approval #", "Status", "Approved", "Total Expenses", "Status Indicator", "Trip Info" (with sub-fields like "Purpose of Trip", "Attend Dreamforce", "Trip Start Date", "Last Modified By", etc.), and "Activity" (with a "Chatter" tab showing activity history).
- Page Configuration:** On the right, the "Page" configuration pane is open, showing settings for "Label" (Travel Approval Record Page), "Developer Name" (Travel\_Approval\_Record\_Page1), "Page Type" (Record Page), "Object" (Travel Approval), "Template" (Header and Right Sidebar), and "Description". There is also a checkbox for "Enable page-level dynamic actions for the Salesforce mobile app".

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

- Header:** Shows "Setup", "Home", and "Object Manager".
- Left Navigation:** Under "Travel Approval", the "Page Layouts" tab is selected, showing options like "Lightning Record Pages", "Buttons, Links, and Actions", "Compact Layouts", "Field Sets", "Object Limits", "Record Types", "Related Lookup Filters", "Search Layouts", "List View Button Layout", "Restriction Rules", "Scoping Rules", "Triggers", and "Flow Triggers".
- Page Layout Editor:** The main area shows the "Fields" section of the "Page Layout Properties" editor. It includes a "Quick Find" field, a table with columns "Section", "Destination State", "Purpose of Trip", "Travel Approval #", "Last Modified By", "Status", "Trip End Date", "Created By", "Out-of-State", "Status Indicator", and "Trip Start Date", and a "Department" column.
- User Profile Overlay:** A sidebar on the right displays the user profile of "Sirigiri Charan Teja" and includes options for "DISPLAY DENSITY" (set to "Comfy"), "OPTIONS" (with links to "Switch to Salesforce Classic" and "Add Username"), and a "Logout" link.

## Step – 12

# Customized the Expense Item Related list Under Travel Approval page layout

The screenshot shows the 'Travel Approval' page layout for record TA-00001. The 'Related' tab is selected, displaying two sections: 'Expense Items (2)' and 'Approval History (2)'. The 'Expense Items' section lists two items: E-00001 (Airfare, ₹450.00) and E-00002 (Hotel, ₹870.00). The 'Approval History' section shows two steps: 'Step 1' (Approved by Eric Executive at 14/02/2023, 11:05 pm) and 'Approval Request Submitted' (Submitted by Sirigiri Charan Teja at 14/02/2023, 11:04 pm). On the right side, there is a sidebar with user information (Sirigiri Charan Teja), display density settings (set to 'Comfy'), and activity sections for 'Upcoming & Overdue' and 'Past Activity'.

## Step – 13

# Enable Feed Tracking

The screenshot shows the 'Setup' interface under 'Object Manager'. The left sidebar is expanded to show 'Feature Settings' and 'Chatter' sections, with 'Feed item' and 'Feed Tracking' selected. The main content area is titled 'Feed Tracking' and shows the configuration for the 'Travel Approval' object. It includes sections for 'Fields in travel approvals' (with checkboxes for various fields like Department, Out-of-State, Purpose of Trip, etc.) and 'Also can also display feed activity for related objects' (with a checkbox for 'All Related Objects'). A sidebar on the right shows user information and display density settings.

Travel App Chatter Reports Dashboards Departments Travel Approvals

Travel Approval TA-00001

+ Follow Edit New Contact New Opportunity

Related Details

Travel Approval # TA-00001 Owner Sirigiri Charan Teja

Status Approved Department Technology

Total Expenses ₹1,320.00 Status Indicator

Trip Info

Purpose of Trip Attend Dreamforce Out-of-State

Trip Start Date 14/02/2023 Destination State CA

Trip End Date 21/02/2023

Created By Sirigiri Charan Teja, 14/02/2023, 9:35 pm Last Modified By Sirigiri Charan Teja, 21/02/2023, 2:50 pm

Activity Chatter

Post Poll Question Share an update... Share

Search this feed...

Sirigiri Charan Teja updated this record. 14 February 2023 at 11:05 pm Status Draft to Approved

Like Comment Write a comment...

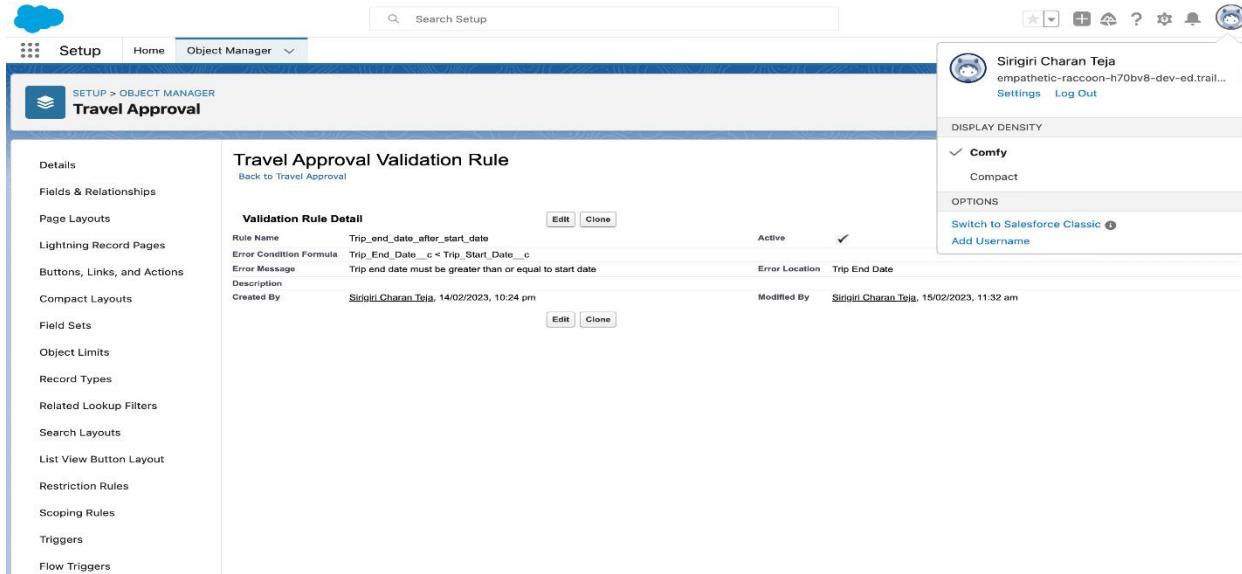
Sirigiri Charan Teja 14 February 2023 at 10:20 pm

# Module – 2

## Exercise – 1

### Step – 1

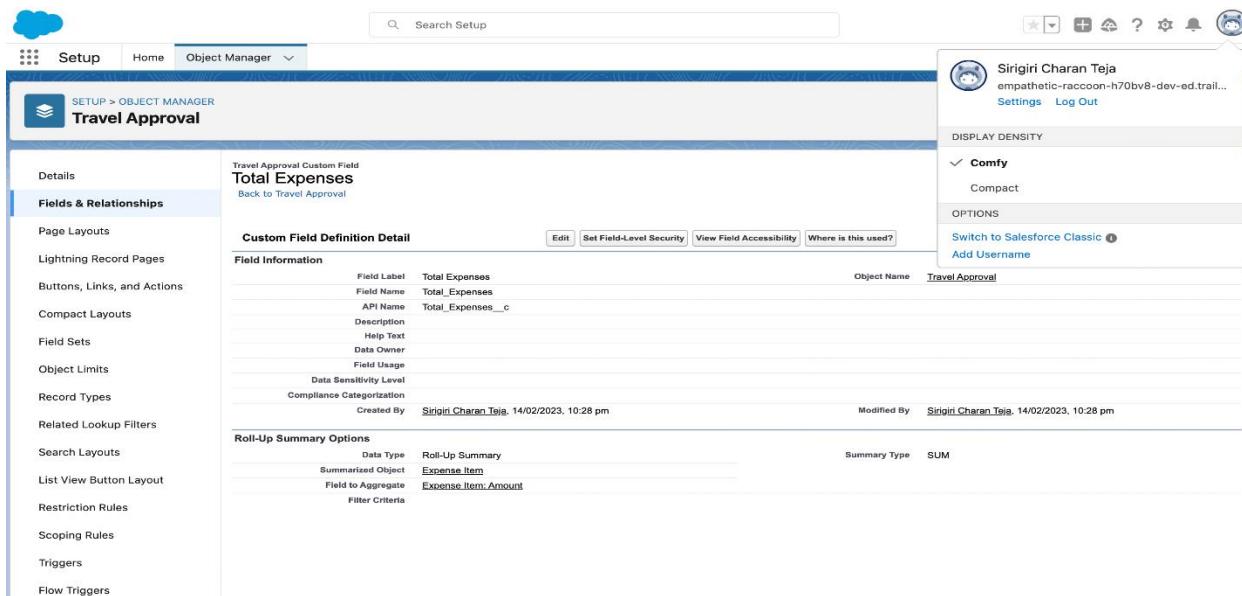
#### Created Trip end date after start date Validation Rule



The screenshot shows the Salesforce Setup interface for the 'Travel Approval' object. On the left, the navigation sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main content area displays the 'Travel Approval Validation Rule' detail page. The validation rule is named 'Trip\_end\_date\_after\_start\_date' and has the formula 'Trip\_End\_Date\_\_c < Trip\_Start\_Date\_\_c'. The error message is 'Trip end date must be greater than or equal to start date'. The rule is active and applies to the 'Trip End Date' field. The right side of the screen shows the user profile of Sirigiri Charan Teja and various display density and options settings.

### Step – 2

#### Created a Rollup summary field Total Expenses



The screenshot shows the Salesforce Setup interface for the 'Travel Approval' object. The navigation sidebar is similar to the previous screenshot. The main content area displays the 'Travel Approval Custom Field Total Expenses' detail page. The custom field is defined with the field label 'Total Expenses', API name 'Total\_Expenses', and data type 'Roll-Up Summary'. It is summarized by the 'Expense Item' object and aggregated by 'Expense Item: Amount'. The roll-up summary options indicate a 'SUM' summary type. The right side of the screen shows the user profile and various display density and options settings.

## Step – 3

### Created a formula field StatusImages

The screenshot shows the Salesforce Setup interface. In the left sidebar, under 'Static Resources', there is a message: 'Didn't find what you're looking for? Try using Global Search.' The main area displays the 'Static Resource Detail' for 'StatusImages'. The details include:

Name	StatusImages
Namespace Prefix	
Description	
MIME Type	application/zip
Cache Control	Public
Size	39,130 bytes
<a href="#">View file</a>	
Created By	Sirigiri Charan Teja, 14/02/2023, 10:32 pm
Last Modified By	Sirigiri Charan Teja, 14/02/2023, 10:32 pm

The right sidebar shows the user profile of Sirigiri Charan Teja and various settings like 'DISPLAY DENSITY' set to 'Comfy'.

## Step – 4

### Created a formula field Status Indicator

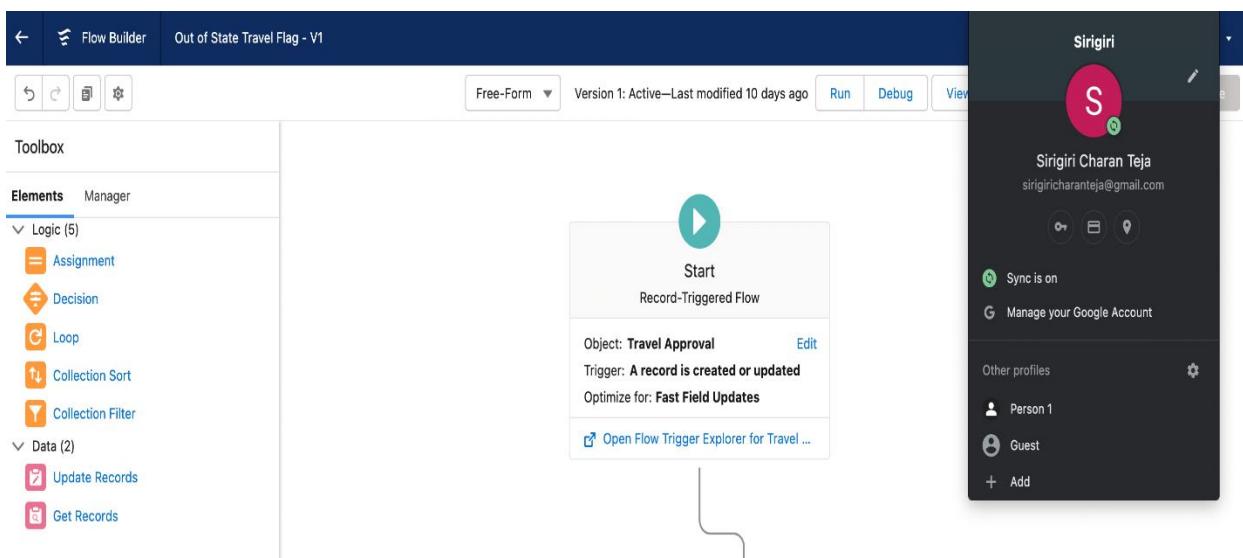
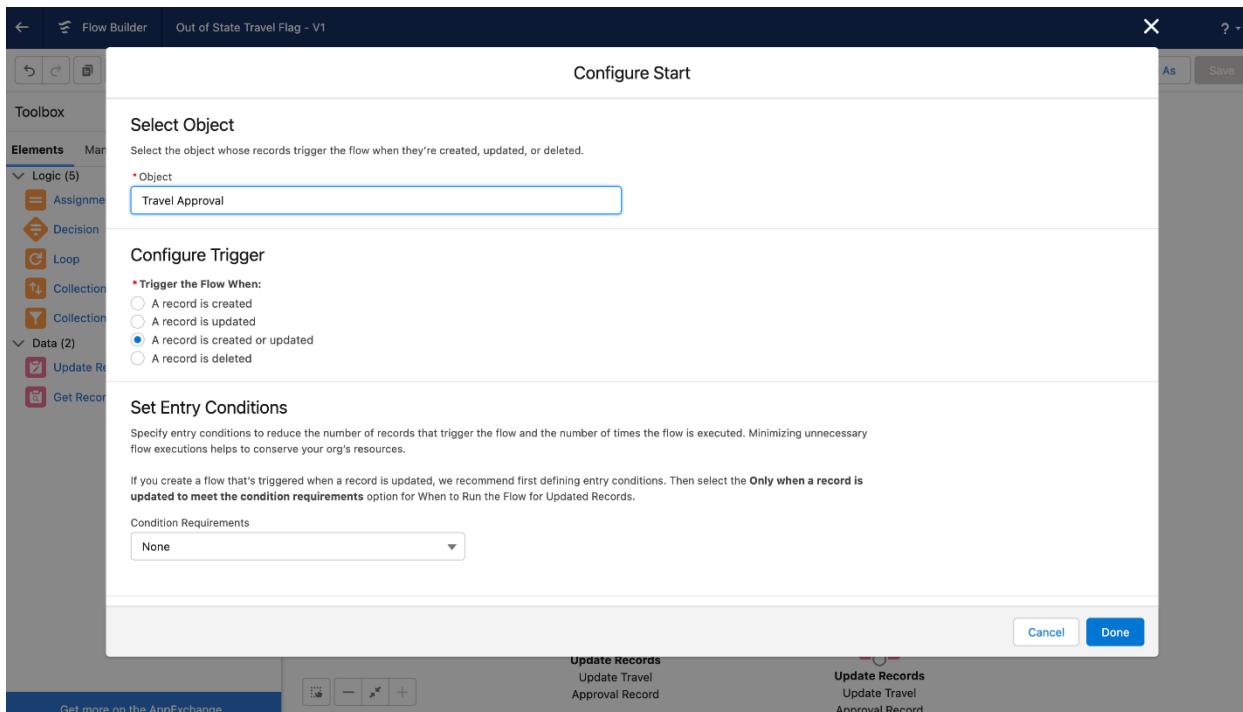
The screenshot shows the Salesforce Setup interface under 'OBJECT MANAGER'. On the left, the navigation pane includes 'Travel Approval' under 'Fields & Relationships'. The main area displays the 'Custom Field Definition Detail' for 'Status Indicator'. The details include:

Field Label	Status Indicator
Field Name	Status_Indicator
API Name	Status_Indicator_c
Description	
Help Text	
Data Owner	
Field Usage	
Data Sensitivity Level	
Compliance Categorization	

The right sidebar shows the user profile of Sirigiri Charan Teja and various settings like 'DISPLAY DENSITY' set to 'Comfy'.

## Step – 5

### Created a Record – Triggered flow



## Updated Travel Approval Record(Yes out of State)

The screenshot shows the Salesforce Flow Builder interface for a flow named "Out of State Travel Flag - V1". The flow is set to "Free-Form" and is active. The main area displays the configuration for a decision element titled "Is Travel Out of State? (Is\_Travel\_Out\_of\_State)".

**Outcomes:** The flow can take two paths based on the outcome:

- Yes Out of State:** The condition is "\$Record > Destination State Does Not Equal TX".
- In State:** The condition is "\$Record > Destination State Equals TX".

**When to Execute Outcome:** The option selected is "Only if the record that triggered the flow to run is updated to meet the condition requirements".

**Buttons:** At the bottom right of the dialog are "Cancel" and "Done" buttons.

## Updated Travel Approval Record(In State)

The screenshot shows the Salesforce Flow Builder interface for the same flow "Out of State Travel Flag - V1". The configuration for the decision element "Is Travel Out of State? (Is\_Travel\_Out\_of\_State)" has been modified.

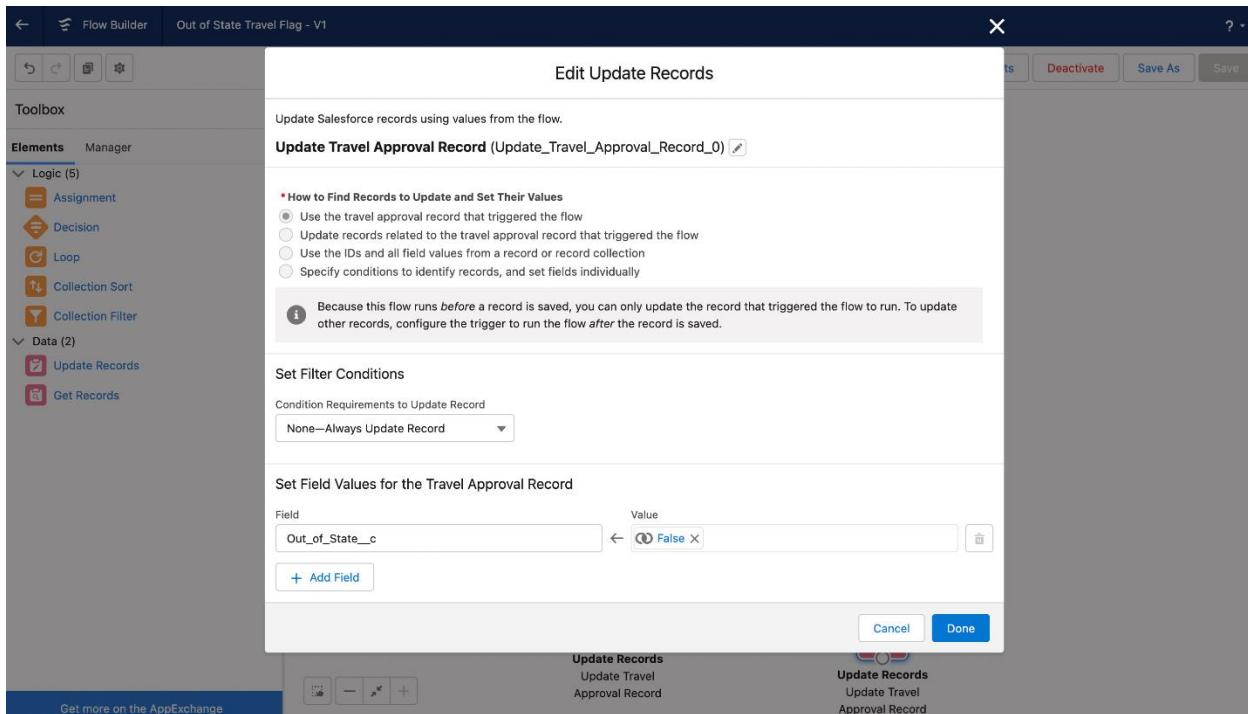
**Outcomes:** The flow can take two paths based on the outcome:

- Yes Out of State:** The condition is "\$Record > Destination State Does Not Equal TX".
- In State:** The condition is "\$Record > Destination State Equals TX".

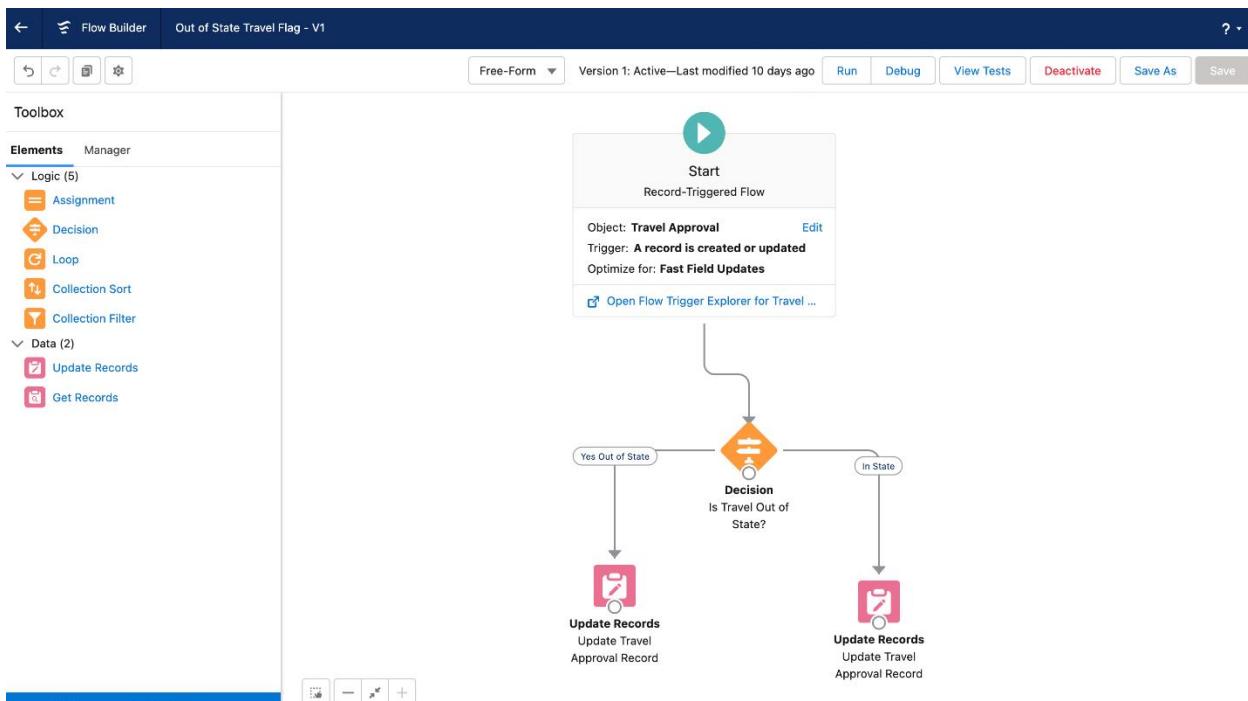
**When to Execute Outcome:** The option selected is "Only if the record that triggered the flow to run is updated to meet the condition requirements".

**Buttons:** At the bottom right of the dialog are "Cancel" and "Done" buttons.

# Testing the Flow



## Test the Flow Screen(Out of State Travel Flag)



## Step – 6

### Created an approval process Travel Approval Request

The screenshot shows the Salesforce Setup interface with the 'Approval Processes' page selected. The left sidebar contains navigation links for Setup Home, Service Setup Assistant, Multi-Factor Authentication Assistant, Release Updates, Lightning Experience Transition Assistant, Salesforce Mobile App, Lightning Usage, Optimizer, Administration (Users, Data, Email), Platform Tools (Apps, Feature Settings, Slack, Workflow Services, MuleSoft, Einstein, Objects and Fields), and more.

The main content area displays the 'Travel Approval: Travel Approval Request' process definition. It includes fields for Process Name (Travel Approval Request), Unique Name (Travel\_Approval\_Request), Description (Travel Approval: Total Expenses GREATER THAN 0), Record Editability (Administrator ONLY), Approval Assignment Email Template (Initial Submitters: Travel Approval Owner), and Created By (Sirigiri Charan Teja, 14/02/2023, 10:49 pm). The process is Active and Next Automated Approver is Determined By Manager of Record Submitter. There are sections for Initial Submission Actions (Action Type: Record Lock, Description: Lock the record from being edited) and Approval Steps (Step 1: Step 1, Step 2: Travel Coordinator Approval, Criteria: Travel Approval: Out-of-State EQUALS True, Assigned Approver: Manager, Reject Behavior: Final Rejection). The final approval step is also listed.

The screenshot shows the 'Approval Step Edit' page for 'Travel Coordinator Approval'. The left sidebar is identical to the previous screenshot. The main content area shows 'Step 1. Enter Name and Description' with a note: 'Enter a name, description, and step number for your new approval step.' A 'Previous Approval Step Information' table shows Step Number 1, Name Step 1, Criteria, and Assign To Manager. The 'Enter Name and Description' section contains fields for Approval Process Name (Travel Approval Request), Name (Travel Coordinator Approval), Unique Name (Travel\_Coordinator\_Approval), and Description. A note indicates that the Name field is required. At the bottom right are Save, Next, and Cancel buttons.

# Final Approval Actions

The screenshot shows the Salesforce Setup interface. On the left, the navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area is titled 'Field Updates' and shows a 'Field Update Edit' screen for 'Set Status to Approved'. The 'Identification' section contains fields for Name ('Set Status to Approved'), Unique Name ('Set\_Status\_to\_Approve'), and Description (empty). The 'Object' field is set to 'Travel Approval'. Under 'Field to Update', 'Travel Approval: Status' is selected. The 'Field Data Type' is 'Picklist'. A checkbox for 'Re-evaluate Workflow Rules after Field Change' is unchecked. In the 'Specify New Field Value' section, the 'Picklist Options' dropdown is set to 'A specific value' with 'Approved' selected. The top right corner shows a user profile for 'Sirigiri Charan Teja' and a sidebar with options like 'DISPLAY DENSITY' (Compact), 'OPTIONS' (Switch to Salesforce Classic, Add Username), and a note about required information.

# Final Rejection Actions

The screenshot shows the Salesforce Setup interface. The left navigation bar is identical to the previous one. The main content area is titled 'Field Updates' and shows a 'Field Update Edit' screen for 'Set Status to Rejected'. The 'Identification' section contains fields for Name ('Set Status to Rejected'), Unique Name ('Set\_Status\_to\_Rejecte'), and Description (empty). The 'Object' field is set to 'Travel Approval'. Under 'Field to Update', 'Travel Approval: Status' is selected. The 'Field Data Type' is 'Picklist'. A checkbox for 'Re-evaluate Workflow Rules after Field Change' is unchecked. In the 'Specify New Field Value' section, the 'Picklist Options' dropdown is set to 'A specific value' with 'Rejected' selected. The top right corner shows a user profile for 'Sirigiri Charan Teja' and a sidebar with options like 'DISPLAY DENSITY' (Compact), 'OPTIONS' (Switch to Salesforce Classic, Add Username), and a note about required information.

**Process Automation Settings**

The default workflow user is required for scheduled paths in record-triggered flows and time-dependent actions in workflow rules. If the user who triggered associated with the actions that are executed by the automation. The default workflow user always runs schedule-triggered flows.

Default Workflow User: Sirigiri Charan Teja

By default, no email address is set for the Automated Process User. Event processes and autolaunched flows with triggers use the email address to send emails for actions and errors. Orchestrations use the email address to send notifications. To set the email address for the Automated Process User, specify an organization-wide email address for the system administrator profile.

Automated Process User Email Address: [redacted]

Email Approval Sender: Approval Submitter

By default, the email approval sender is the approval submitter. To override the default sender, select an organization-wide email address.

Enable email approval response:

By enabling the email approval response feature, you agree to allow Salesforce to process email approval responses, update approval requests for all active users in your organization, and update the approval object on behalf of your organization's users.

Let users pause flows:

Let users resume interviews that are shared with them, either directly or via the role hierarchy. When disabled, interviews can be resumed only by the user who paused the interview or a flow admin who has view access.

Let users resume shared flow interviews:

Flows launched from a URL or from Setup use the Lightning runtime experience instead of the classic runtime experience. Only Lightning runtime supports two-column flow screens, custom screen components, and local actions.

Enable Lightning runtime for flows:

Change the required permission to view all charts on the Automation Home page in Setup. By default, users with the View Setup and Configuration permission can view all charts. When this setting is enabled, users with View Setup and Configuration can view only the Total Started Automations by Process Type chart.

Require the Manage Flow permission:

## Testing the Approval Process

Approval Request [inbox x]

Sirigiri Charan Teja sirigircharanteja@gmail.com via bpfh9akw6io.2w-qusyee3.ap16.bnc.salesforce.com  
to me ▾

Sirigiri Charan Teja has requested your approval for the following item:

To approve or reject this item, click this link <https://empathetic-raccoon-h70bv8-dev-ed.trailblaze.my.salesforce.com/o/process/ProcessInstanceWizardStageManager?id=04i2w0000041FXH> or reply to this email with one of these words in the first line of the email message: APPROVE, APPROVED, YES, REJECT, REJECTED, NO

If replying via email, you can also add comments on the second line. Comments will be stored with the approval request in Salesforce CRM.

Thank you,  
Salesforce

Reply Forward

# Assigned to Eric Executive

The screenshot shows the Salesforce interface for a travel approval record. At the top, there's a navigation bar with links for Travel App, Chatter, Reports, Dashboards, Departments, and Travel Approvals. Below the navigation is a search bar and a user profile for Sirigiri Charan Teja. A sidebar on the right contains options for DISPLAY DENSITY (Compact), ACTIVITY (with a list of tasks), and UPCOMING & OVERDUE activities. The main content area displays two expense items: one for Airfare (₹450.00) and one for Hotel (₹870.00). Below these is a section for Approval History, listing five steps: Travel Coordinator Approval, Step 1, Approval Request Submitted, Step 1, and Approval Request Submitted, all of which have been approved by Eric Executive.

## Exercise – 2

### Step – 1

#### Imported Travel Approval Records

The screenshot shows a Gmail inbox with a single email from noreply@salesforce.com. The subject of the email is "Salesforce import of 'TravelApprovals.csv' has finished. 300 rows were processed." The email body contains a summary of the import results: 300 Travel Approvals Created, 0 Updated, 0 Ignored, and 0 Failed. It also includes a link to the processed job information: <https://empathetic-raccoon-h70bv8-dev-ed.trailblaze.my.salesforce.com/7502w00000O7r1MAAR?fromEmail=1>.

Travel Approvals											
Travel Approvals		New									
All		Settings Log Out									
50+ items • Sorted by Travel Approval # • Filtered by All travel approvals • Updated a few seconds ago											
Search this list...											
#	Travel Approval #	Department	Created By	Status	Trips	Actions					
1	TA-00001	Technology	Sirigiri Charan Teja	Approved	14/04/2019	<input type="button" value="View Details"/>					
2	TA-00002	Disability Determination Bureau	Sirigiri Charan Teja	Approved	10/04/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="OPTIONS"/>					
3	TA-00003	Division of Disability and Rehabilitative Services	Sirigiri Charan Teja	Rejected	04/04/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Switch to Salesforce Classic"/> <input type="button" value="Add Username"/>					
4	TA-00004	Division of Finance	Sirigiri Charan Teja	Rejected	03/04/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
5	TA-00005	Division of Aging	Sirigiri Charan Teja	Approved	11/05/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
6	TA-00006	Technology	Sirigiri Charan Teja	Approved	03/06/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
7	TA-00007	Division of Disability and Rehabilitative Services	Sirigiri Charan Teja	Approved	11/06/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
8	TA-00008	Disability Determination Bureau	Sirigiri Charan Teja	Rejected	03/06/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
9	TA-00009	Contract Management	Sirigiri Charan Teja	Approved	05/11/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
10	TA-00010	Division of Disability and Rehabilitative Services	Sirigiri Charan Teja	Approved	07/07/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
11	TA-00011	Office of Communications and Media	Sirigiri Charan Teja	Approved	06/02/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
12	TA-00012	Office of Medicaid Policy and Planning	Sirigiri Charan Teja	Approved	11/05/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
13	TA-00013	Division of Family Resources	Sirigiri Charan Teja	Approved	04/01/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
14	TA-00014	Human Resources	Sirigiri Charan Teja	Approved	07/09/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
15	TA-00015	Division of Disability and Rehabilitative Services	Sirigiri Charan Teja	Approved	10/11/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
16	TA-00016	Office of General Counsel	Sirigiri Charan Teja	Approved	12/06/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
17	TA-00017	Legislative Services	Sirigiri Charan Teja	Approved	06/03/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
18	TA-00018	Quality and Compliance Office	Sirigiri Charan Teja	Approved	02/05/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					
19	TA-00019	Office of Early Childhood and Out-of-School Learning	Sirigiri Charan Teja	Approved	04/04/2019	<input type="button" value="View Details"/> <input type="button" value="Edit"/> <input type="button" value="Delete"/>					

## **Step – 2**

## **Created a Report on Travel Requests by Department**



Travel App Chatter Reports Dashboards Departments Travel Approvals

REPORT ▾ Travel Requests by Department ▾ Travel Approvals

Outline Filters 1 Previewing a limited number of records. Run the report to see everything.

Department ↑	Travel Approval: Travel Approval #	Status	Out-of-State	De
Contract Management (1)	TA-00293	Approved	<input type="checkbox"/>	OK
Subtotal			0	
Disability Determination Bureau (3)	TA-00286	Approved	<input type="checkbox"/>	OK
	TA-00292	Rejected	<input type="checkbox"/>	OK
	TA-00306	Rejected	<input type="checkbox"/>	CA
Subtotal			0	
Division of Aging (1)	TA-00289	Approved	<input type="checkbox"/>	GA
Subtotal			0	
Division of Disability and Rehabilitative Services (4)	TA-00287	Rejected	<input type="checkbox"/>	OK
	TA-00291	Approved	<input type="checkbox"/>	FL
	TA-00294	Approved	<input type="checkbox"/>	GA
	TA-00299	Approved	<input type="checkbox"/>	OK
Subtotal			0	
Division of Family Resources (1)	TA-00297	Approved	<input type="checkbox"/>	TX
Subtotal			0	
Division of Finance (1)	TA-00288	Rejected	<input type="checkbox"/>	CA
Subtotal			0	
Human Resources (1)	TA-00298	Approved	<input type="checkbox"/>	FL
Subtotal			0	

Row Counts Detail Rows Subtotals Grand Total Conditional Formatting

Sirigiri Charan Teja empathetic-raccoon-h70bv8-dev-ed.trail...  
Settings Log Out

DISPLAY DENSITY  
✓ Comfy Compact  
OPTIONS Switch to Salesforce Classic Add Username 07/09/2019 07/09/2019

Travel App Chatter Reports Dashboards Departments Travel Approvals

Report: Travel Approvals  
Travel Requests by Department

Total Records Total Out-of-State  
656 163

Department	Travel Approval: Travel Approval #	Status	Out-of-State	Destination State	Trip Start Date	Trip End Date
Audit Services (41)	TA-00308	Approved	<input type="checkbox"/>	OK	09/03/2019	09/03/2019
	TA-00316	Approved	<input type="checkbox"/>	OK	07/08/2019	07/09/2019
	TA-00324	Approved	<input type="checkbox"/>	FL	08/07/2019	08/07/2019
	TA-00328	Approved	<input type="checkbox"/>	OK	11/04/2019	11/07/2019
	TA-00333	Approved	<input type="checkbox"/>	OK	07/08/2019	07/08/2019
	TA-00585	Approved	<input type="checkbox"/>	FL	19/04/2015	19/04/2015
	TA-00648	Rejected	<input type="checkbox"/>	CA	07/04/2019	19/04/2019
	TA-00365	Rejected	<input type="checkbox"/>	FL	09/08/2019	19/08/2015
	TA-00375	Approved	<input type="checkbox"/>	TX	19/02/2018	06/03/2019
	TA-00407	Approved	<input type="checkbox"/>	TX	19/04/1930	10/05/2019
	TA-00426	Approved	<input type="checkbox"/>	OK	19/12/2027	10/01/2020
	TA-00435	Approved	<input type="checkbox"/>	FL	19/09/2021	06/10/2019
	TA-00438	Approved	<input type="checkbox"/>	OK	03/09/2019	03/09/2019
	TA-00440	Approved	<input type="checkbox"/>	CA	19/03/2020	10/04/2019
	TA-00475	Approved	<input type="checkbox"/>	OK	08/07/2019	09/07/2019
	TA-00501	Approved	<input type="checkbox"/>	FL	07/08/2019	07/08/2019
	TA-00527	Approved	<input type="checkbox"/>	FL	19/02/2018	19/02/2020

Row Counts  Detail Rows  Subtotals  Grand Total

Travel App Chatter Reports Dashboards Departments Travel Approvals

Report: Travel Approvals  
Travel Requests by Department

Total Records Total Out-of-State  
656 163

Department	Record Count
Audit Services	41
Contract Management	45
Disability Determination	44
Division of Aging	45
Division of Disability	41
Division of Family R...	38
Division of Finance	49
Division of Mental H...	37
Human Resources	28
Legislative Services	34
Office of Communic...	39
Office of Early Child...	49
Office of General Co...	33
Office of Medicaid P...	45
Quality and Compla...	26
Technology	45

Department	Travel Approval: Travel Approval #	Status	Out-of-State	Destination State	Trip Start Date	Trip End Date
Audit Services (41)	TA-00308	Approved	<input type="checkbox"/>	OK	09/03/2019	09/03/2019
	TA-00316	Approved	<input type="checkbox"/>	OK	07/08/2019	07/09/2019
	TA-00324	Approved	<input type="checkbox"/>	FL	08/07/2019	08/07/2019
	TA-00328	Approved	<input type="checkbox"/>	OK	11/04/2019	11/07/2019

Row Counts  Detail Rows  Subtotals  Grand Total

## **Step – 3** **Created a Travel Request s by Monthly Report**

The screenshot shows the Travel App interface with the following details:

- Header:** Includes a logo, navigation links for Chatter, Reports, Dashboards, Departments, and Travel Approvals, and a search bar.
- Left Sidebar (Fields):**
  - Outline:** Selected view mode.
  - Groups:** Options to add group rows or columns.
  - Trip End Date:** Filtered to January 2019 (2) and March 2019 (1).
  - Out-of-State:** Filtered to (2) and (1).
  - Columns:** Options to add columns.
  - Status:** Filtered to OK.
  - Destination State:** Filtered to CA.
  - Trip Start Date:** Filtered to April 2019 (1), June 2019 (1), and July 2019 (2).
- Report Title:** Travel Requests by Month / Travel Approvals.
- Report Preview:** Shows travel approvals for various months and departments, including subtotals and grand totals.
- Right Sidebar:**
  - User Profile: Sirigiri Charan Teja, empathetic-raccoon-h70bv8-dev-ed.trail...
  - Display Density: Comfy (selected), Compact.
  - Options: Switch to Salesforce Classic, Add Username.
  - Log Out button.

## Step- 4

# Created a Report and Dashboard for Travel Approvals

The screenshot shows the Salesforce interface with the 'Travel App' tab selected. The top navigation bar includes 'Chatter', 'Reports', 'Dashboards', 'Departments', and 'Travel Approvals'. A search bar at the top right says 'Search...'. On the left, a sidebar titled 'Recent' lists '2 items': 'Recent' (Travel Requests Dashboard) and 'Created by Me' (Travel Demo). Below these are sections for 'Private Dashboards', 'All Dashboards', 'Folders', 'All Folders', 'Created by Me', 'Shared with Me', 'Favorites', and 'All Favorites'. The main content area displays a table with columns: Dashboard Name, Description, Folder, Created By, and Created On. It shows two rows: 'Travel Requests Dashboard' (Private Dashboards, Sirigiri Charan Teja, 15/2/2023, 2:12 PM) and 'Travel Demo' (Private Dashboards, Sirigiri Charan Teja, 17/2/2023, 11:54 AM). A context menu is open on the right side, showing the user's profile ('Sirigiri Charan Teja'), recent dashboards, display density options ('Comfy' checked), and other settings like 'Switch to Salesforce Classic'.

The screenshot shows the 'Travel Requests Dashboard' with the title 'Travel Requests Dashboard' and a timestamp 'As of 26-Feb-2023, 11:28 am Viewing as Sirigiri Charan Teja'. The dashboard features two charts. The first chart, 'Travel Requests by Department', is a horizontal bar chart showing the record count for various departments. The second chart, 'Travel Requests by Month', is a stacked bar chart showing the record count by month, with an option to filter 'Out-of-State' trips. Both charts have a light blue background with white text. A context menu is open on the right side, showing the user's profile ('Sirigiri Charan Teja'), recent dashboards, display density options ('Comfy' checked), and other settings like 'Switch to Salesforce Classic'.

# Module – 3

## Exercise – 1

### Created Code Playground App

The screenshot shows the 'App Settings' section of the Lightning App Builder. On the left, a sidebar lists 'App Details & Branding', 'App Options', 'Utility Items (Desktop Only)', 'Navigation Items', and 'User Profiles'. The main area is titled 'App Details & Branding' and contains fields for 'App Name' (Code Playground), 'Developer Name' (Code\_Playground), 'Image' (a blue icon with '</>'), 'Primary Color Hex Value' (#0070D2), and a 'Description' input field ('Enter a description...'). Below this is an 'Org Theme Options' section with a checkbox for 'Use the app's image and color instead of the org's custom theme'. At the bottom is an 'App Launcher Preview' section showing the app icon and name.

### Created the Custom Object Customer(MCustomer)

The screenshot shows the 'Object Manager' setup page for the 'MCustomer' object. The left sidebar lists various configuration tabs: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Triggers, and Flow Triggers. The main 'Details' tab displays the API Name (MCustomer\_\_c), which is set to 'Custom'. It also shows the Singular Label (MCustomer) and Plural Label (MCustomer). On the right, there is a user profile sidebar for Sirigiri Charan Teja (devcom-c7-dev-ed.develop.my.salesforce.com) with options for 'Settings' and 'Log Out'. A 'DISPLAY DENSITY' dropdown is set to 'Comfy', and an 'OPTIONS' section includes 'Switch to Salesforce Classic' and 'Add Username'. Other settings shown include 'Enable Reports' (unchecked), 'Track Activities' (unchecked), 'Track Field History' (unchecked), and deployment status 'Deployed'.

## Created all the Custom Fields

The screenshot shows the Salesforce Object Manager interface for the 'MCustomer' object. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Triggers. The main area displays a table titled 'Fields & Relationships' with 7 items, sorted by Field Label. The columns include FIELD LABEL, FIELD NAME, DATA TYPE, and CONTROLLING. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING
Active	Active__c	Checkbox	
Created By	CreatedBy	Lookup(User)	
Customer Type	Customer_Type__c	Picklist	
Description	Description__c	Text Area(255)	
Last Modified By	LastModifiedBy	Lookup(User)	
MCustomer Name	Name	Text(80)	✓
Owner	OwnerId	Lookup(User,Group)	✓

The right sidebar shows the user profile of Sirigiri Charan Teja and various display density and options settings.

## Created a Custom Object named Billing

The screenshot shows the Salesforce Object Manager interface for the 'Billing' object. The left sidebar lists various setup categories. The main area displays a table titled 'Details' with the following configuration:

API Name	Singular Label	Plural Label
Billing__c	Billing	Billings

The right sidebar shows the user profile of Sirigiri Charan Teja and various object settings like Enable Reports, Track Activities, and Deployment Status.

# Created Custom Fields for Billing Object

The screenshot shows the Salesforce Setup interface under the Object Manager for the Billing object. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main area displays a table titled "Fields & Relationships" with 7 items, sorted by Field Label. The columns include FIELD LABEL, FIELD NAME, DATA TYPE, and CONTROLLER. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLER
Amount Paid	Amount_Paid__c	Currency(18, 0)	
Billing Number	Name	Auto Number	
Created By	CreatedById	Lookup(User)	
Customer	Customer__c	Master-Detail(MCustomer)	
Customer Type	Customer_Type__c	Picklist	
Last Modified By	LastModifiedById	Lookup(User)	
Status	Status__c	Picklist	

The right sidebar shows the user profile of Sirigiri Charan Teja and various display density and options settings.

# Code Playground App

The screenshot shows the Salesforce Code Playground app interface. The top navigation bar includes Leads, Accounts, Contacts, Opportunities, Cases, Billings, and MCustomer. The main area displays a list of accounts under the "Accounts" tab, specifically the "All Accounts" view. The table has 13 items, sorted by Account Name. The columns are Account Name, Account Site, Billing State/Province, Phone, and Type. The accounts listed are:

	Account Name	Account Site	Billing State/Province	Phone	Type
1	Burlington Textiles Corp of America		NC	(336) 222-7000	Customer - Direct
2	Dickenson plc		KS	(785) 241-6200	Customer - Channel
3	Edge Communications		TX	(512) 757-6000	Customer - Direct
4	Express Logistics and Transport		OR	(503) 421-7800	Customer - Channel
5	GenePoint		CA	(650) 867-3450	Customer - Channel
6	Grand Hotels & Resorts Ltd		IL	(312) 596-1000	Customer - Direct
7	Pyramid Construction Inc.			(014) 427-4427	Customer - Channel
8	Sample Account for Entitlements				autopro
9	sForce		CA	(415) 901-7000	SChar
10	United Oil & Gas Corp.		NY	(212) 842-5500	Customer - Direct
11	United Oil & Gas, Singapore		Singapore	(650) 450-8810	Customer - Direct
12	United Oil & Gas, UK		UK	+44 191 4956203	Customer - Direct
13	University of Arizona		AZ	(520) 773-9050	Customer - Direct

The right sidebar shows the user profile of Sirigiri Charan Teja and various display density and options settings.

## Exercise – 2

### String Variable using endsWith() method

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is devcom-c7-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The menu bar includes File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous entry. The Execution Log pane shows a single entry: 22:07:44:006 USER\_DEBUG [2]DEBUG|true. Below it is the Enter Apex Code editor with the following code:

```
1 String demo = 'charan teja';
2 System.debug(demo.endsWith('a'));
```

The Logs tab in the bottom navigation bar is selected, showing a single log entry from Srinir Charan Teja. The log details are:

User	Application	Operation	Time	Status	Read	Size
Srinir Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:07:44 PM	Success		2.13 KB

### Used Date Method and displayed the date

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is devcom-c7-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The menu bar includes File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous entry. The Execution Log pane shows two entries: 22:13:21:003 USER\_DEBUG [2]DEBUG|2023-02-21 00:00:00 and 22:13:21:003 USER\_DEBUG [4]DEBUG|2023-03-23 00:00:00. Below it is the Enter Apex Code editor with the following code:

```
1 date a = Date.today();
2 System.debug(a);
3 date b = a.addDays(30);
4 System.debug(b);
```

The Logs tab in the bottom navigation bar is selected, showing a single log entry from Srinir Charan Teja. The log details are:

User	Application	Operation	Time	Status	Read	Size
Srinir Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:13:21 PM	Success		2.49 KB

## Converted the String to integer and added 20 to it

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, there's a toolbar with File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous button. The log area shows two entries:

Timestamp	Event	Details
22:20:35:002	USER_DEBUG	[3]DEBUG 10
22:20:35:002	USER_DEBUG	[4]DEBUG 30

In the center, there's an "Enter Apex Code" window containing the following code:

```
1 String a = '10';
2 Integer b = Integer.valueOf(a);
3 System.debug(b);
4 System.debug(b+20);
```

Below the code editor, there are three buttons: Open Log, Execute, and Execute Highlighted. The log table at the bottom shows one entry:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:20:35 PM	Success		2.42 KB

## Used Length method to display String length

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, there's a toolbar with File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous button. The log area shows one entry:

Timestamp	Event	Details
22:25:52:003	USER_DEBUG	[3]DEBUG 14

In the center, there's an "Enter Apex Code" window containing the following code:

```
1 String a = 'Velocity Batch';
2 Integer b = a.length();
3 System.debug(b);
```

Below the code editor, there are three buttons: Open Log, Execute, and Execute Highlighted. The log table at the bottom shows one entry:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:25:52 PM	Success		2.31 KB

# Defined a list and displayed the outputs using different methods

The screenshot shows the Salesforce Developer Console interface. In the center, there is a code editor window titled "Enter Apex Code" containing the following Apex code:

```
1 List<Integer> a = new List<Integer>();
2 a.add(0);
3 a.add(1);
4 a.add(2);
5 a.add(3);
6 a.add(4);
7 System.debug('After using add() method'+a);
8 System.debug('After using get() method'+a.get(0));
9 a.set(1,100);
10 System.debug('After using set() method'+a);
11 a.clear();
12 System.debug('After use clear() method'+a);
```

Below the code editor is a "Logs" tab selected in the navigation bar. The log table shows the following entries:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:33:33 PM	Success		4.38 KB

# Printed numbers between 0 to 9

The screenshot shows the Salesforce Developer Console interface. In the center, there is a code editor window titled "Enter Apex Code" containing the following Apex code:

```
1 Integer x=20;
2 while(x>12){
3   for(x=0;x<10;x++){
4     System.debug('Value of x is: '+x);
5   }
6 }
```

Below the code editor is a "Logs" tab selected in the navigation bar. The log table shows the following entries:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:38:13 PM	Success		5.6 KB

## Exercise – 3

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, there's a toolbar with File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous button. A message bar indicates "Log executeAnonymous @2/21/2023, 10:41:27 PM". The main area is titled "Execution Log" with tabs for Timestamp, Event, and Details. It shows a log entry for 22:41:27:003 with the event USER\_DEBUG and details [3] DEBUG:false. Below this is an "Enter Apex Code" window containing the following code:

```
1 Integer myluckyNumber = 15;
2 Integer myunluckylyNumber = 7;
3 System.debug(myluckyNumber!=myunluckylyNumber +8);
```

At the bottom of the code editor are "Open Log", "Execute", and "Execute Highlighted" buttons. Below the code editor is a log viewer with tabs for This Frame, Executable, Debug Only, Filter, and a link to Click here to filter the log. The "Logs" tab is selected, showing a single log entry:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:41:27 PM	Success		2.39 KB

At the bottom of the log viewer is a "Filter" link and another "Click here to filter the log list" link.

## Exercise – 4

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, there's a toolbar with File, Edit, Debug, Test, Workspace, Help, and a Log executeAnonymous button. A message bar indicates "Log executeAnonymous @2/21/2023, 10:44:41 PM". The main area is titled "Execution Log" with tabs for Timestamp, Event, and Details. It shows a log entry for 22:44:41:003 with the event USER\_DEBUG and details [3] DEBUG:true. Below this is an "Enter Apex Code" window containing the following code:

```
1 Boolean.isTrue = True;
2 Boolean.isFalse = False;
3 System.debug(isTrue || isFalse);
```

At the bottom of the code editor are "Open Log", "Execute", and "Execute Highlighted" buttons. Below the code editor is a log viewer with tabs for This Frame, Executable, Debug Only, Filter, and a link to Click here to filter the log. The "Logs" tab is selected, showing a single log entry:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:44:41 PM	Success		2.34 KB

At the bottom of the log viewer is a "Filter" link and another "Click here to filter the log list" link.

## Exercise – 5

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, a message says "Log executeAnonymous @2/21/2023, 10:48:24 PM". The main area is titled "Execution Log" and contains a table with columns: Timestamp, Event, and Details. One entry is shown: "22:48:24:003 USER\_DEBUG [3]DEBUG[true]". Below this is a modal window titled "Enter Apex Code" containing the following Apex code:

```
1 Date today = Date.today();
2 Date tomorrow = Date.today().addDays(1);
3 System.debug(today!=tomorrow);
```

At the bottom of the modal are buttons for "Open Log", "Execute", and "Execute Highlighted". Below the modal is a log table with tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Logs tab is selected, showing a single entry:

User	Application	Operation	Time	Status	Read	Size
Singir Charan Teja	Unknown	/services/data/v57.0/tooling/executeAn...	2/21/2023, 10:48:24 PM	Success		2.44 KB

At the bottom of the page are "Filter" and "Click here to filter the log list" buttons.

## Exercise – 6

### Program for finding the Grade based on Source

The screenshot shows the Salesforce Developer Console interface. At the top, the URL is `devcom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the header, a message says "Log executeAnonymous @22/02/2023, 10:31:44". The main area is titled "Logs" and contains a table with columns: User, Application, Operation, Time, Status, Read, and Size. One entry is shown: "Singir Charan Teja Unknown /services/data/v57.0/tooling/executeAn... 22/02/2023, 10:31:44 Success 2.82 KB". Below the table is a code editor window titled "StudentGrades.apxc" containing the following Apex code:

```
1 public class StudentGrades {
2     public void getGrades(){
3         Integer Score = 92;
4         if(Score==100){
5             System.debug('Grade: A+');
6         }
7         else if(Score>=90){
8             System.debug('Grade: A');
9         }
10        else if(Score>=80){
11            System.debug('Grade: B');
12        }
13        else{
14            System.debug('Grade: Failed');
15        }
16    }
17
18 }
```

At the bottom of the code editor are "Logs", "Tests", "Checkpoints", "Query Editor", "View State", "Progress", and "Problems" tabs. The Logs tab is selected. Below the tabs is a "Filter" button and "Click here to filter the log list" button.

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 10:36:47	Success		2.8 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 10:35:35	Success	Unread	2.8 KB

## Exercise – 7

### Program to execute Apex – for loop

```

1 * public class BillingObj {
2     public void insertRecords(){
3         Billing__c b1= new Billing__c();
4         b1.Amount_Paid__c = 5000;
5         b1.Status__c = 'Paid';
6         Billing__c b2= new Billing__c();
7         b2.Amount_Paid__c = 8000;
8         b2.Status__c = 'Paid';
9         Billing__c b3= new Billing__c();
10        b3.Amount_Paid__c = 12000;
11        b3.Status__c = 'Paid';
12        List<Billing__c> bill = new List<Billing__c>();
13        bill.add(b1);
14        bill.add(b2);
15        bill.add(b3);
16        try{
17            insert bill;
18        }catch(Exception e){
19            System.debug('Insertion Failed');
20        }
21    }
22 }
```

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 12:00:48	Success		11.61 KB

Developer Console

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

**BillingObj.apxc** Log executeAnonymous @22/02/2023, 12:00:48

Code Coverage: None API Version: 57 Go To

```

14     bill.add(b2);
15     bill.add(b3);
16     try{
17         insert bill;
18     }catch(Exception e){
19         System.debug('Insertion Failed');
20     }
21
22
23     bill = [Select Id,Name,Status__c From Billing__c where createdDate=today];
24     for(Billing__c b:bill){
25         if(b.Status__c=='Paid'){
26             System.debug('Value of Current Record in the Loop'+b);
27             System.debug('Billing Records are: '+b.Name);
28         }
29     }
30
31
32
33 }
34
35 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Singir Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 12:00:48	Success		11.61 KB

Filter Click here to filter the log list

Developer Console

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

**BillingObj.apxc** Log executeAnonymous @22/02/2023, 12:00:48

Execution Log

Timestamp	Event	Details
12:00:48:118	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017Qjr8AAC, Name=B - 0001, Status__c=Paid}
12:00:48:118	USER_DEBUG	[27]DEBUG Billing Records are: B - 0001
12:00:48:119	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017Qjr9AAC, Name=B - 0002, Status__c=Paid}
12:00:48:119	USER_DEBUG	[27]DEBUG Billing Records are: B - 0002
12:00:48:119	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017QjrAAAS, Name=B - 0003, Status__c=Paid}
12:00:48:119	USER_DEBUG	[27]DEBUG Billing Records are: B - 0003
12:00:48:119	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017QjrSAAS, Name=B - 0004, Status__c=Paid}
12:00:48:119	USER_DEBUG	[27]DEBUG Billing Records are: B - 0004
12:00:48:119	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017QjrTAAS, Name=B - 0005, Status__c=Paid}
12:00:48:119	USER_DEBUG	[27]DEBUG Billing Records are: B - 0005
12:00:48:119	USER_DEBUG	[26]DEBUG Value of Current Record in the LoopBilling__c:{Id=a012w000017QjrUAS, Name=B - 0006, Status__c=Paid}
12:00:48:119	USER_DEBUG	[27]DEBUG Billing Records are: B - 0006

Enter Apex Code

```

1 BillingObj a = new BillingObj();
2 a.insertRecords();
```

Open Log Execute Execute Highlighted

This Frame Executable Debug Only Filter Click here to filter the log

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Singir Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 12:00:48	Success		11.61 KB

Filter Click here to filter the log list

## Exercise – 8

### Created a Class to Demonstrate constants in Apex

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes File, Edit, Debug, Test, Workspace, Help, and a Go To button. The URL is devcom-c7-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. A log message "Log executeAnonymous @22/02/2023, 12:28:03" is visible. The code editor contains the following Apex class:

```
1 public class DiscountClass {  
2     Decimal regularDiscount = 1.56;  
3     Decimal finalPrice;  
4     public Decimal calculateDiscount(Integer price){  
5         finalPrice = price - price*regularDiscount;  
6         System.debug('finalPrice : '+finalPrice);  
7         return finalPrice;  
8     }  
9 }  
10 }
```

An "Enter Apex Code" dialog box is open, showing the following anonymous apex script:

```
1 DiscountClass x = new DiscountClass();  
2 x.calculateDiscount(150);
```

Below the code editor, there is a "Logs" tab with a table showing two log entries:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 12:28:03	Success		4.42 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	22/02/2023, 12:00:48	Success		11.61 KB

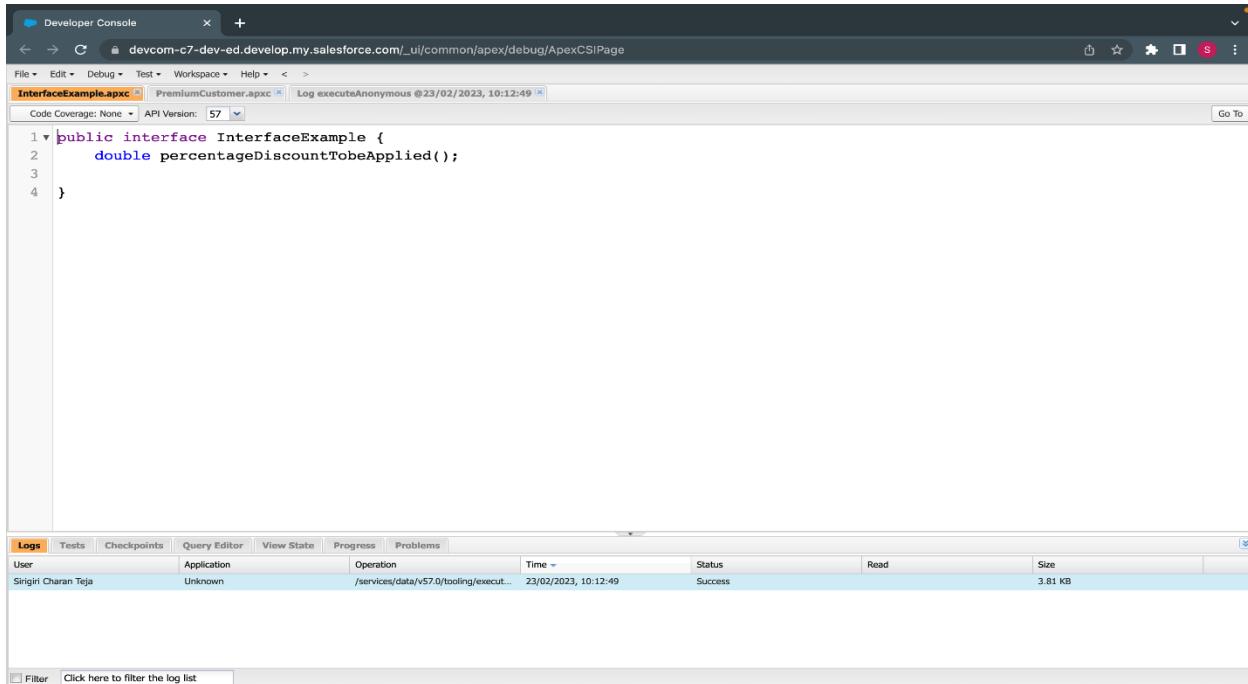
At the bottom, there are "Filter" and "Click here to filter the log list" buttons.

The screenshot shows the Salesforce Developer Console interface, similar to the previous one but with a different log entry. The top navigation bar and URL are identical. The log message "Log executeAnonymous @22/02/2023, 12:28:03" is visible. The "Execution Log" section shows the following log entry:

Timestamp	Event	Details
12:28:03:012	USER_DEBUG	[6] DEBUG finalPrice : -84.00

At the bottom, there are "This Frame", "Executable", "Debug Only", "Filter", and "Click here to filter the log" buttons.

# Exercise – 9



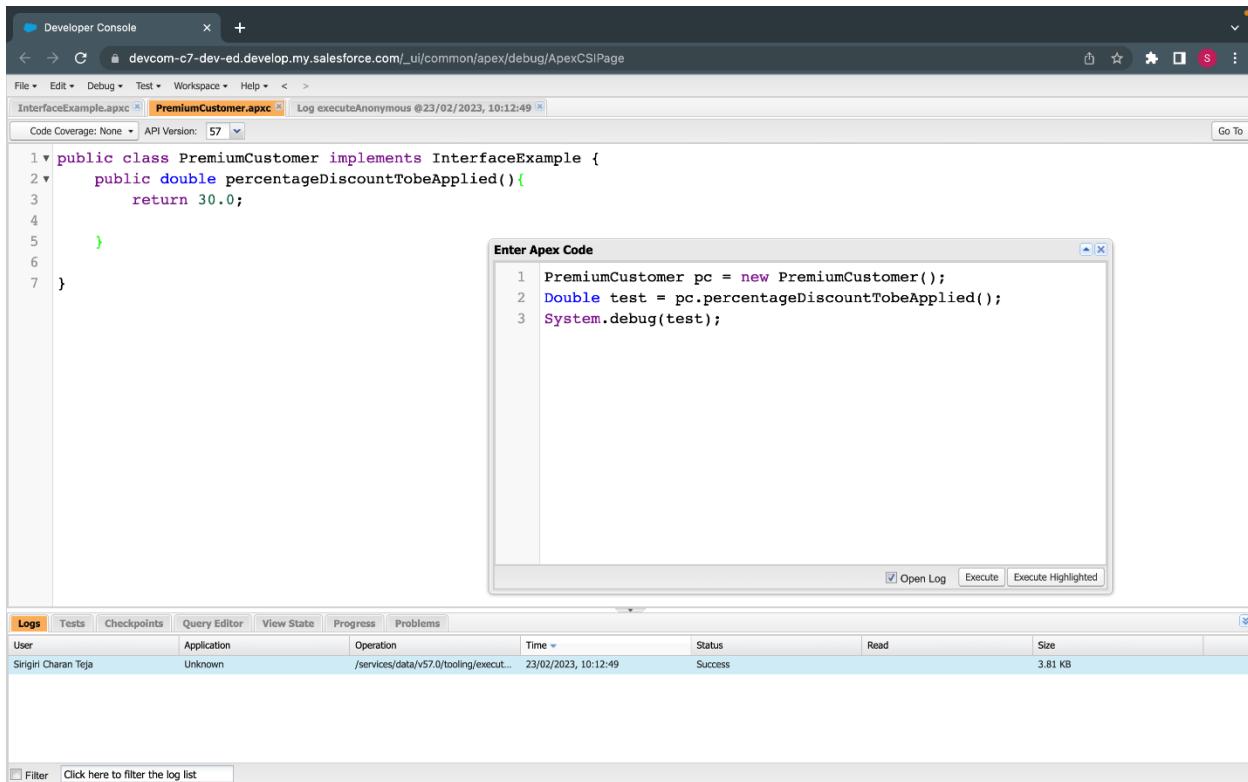
The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes File, Edit, Debug, Test, Workspace, Help, and a Go To button. The URL is devcom-c7-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The tabs at the top are InterfaceExample.apxc (selected) and PremiumCustomer.apxc. The status bar shows Code Coverage: None, API Version: 57, and Log executeAnonymous @23/02/2023, 10:12:49.

```
1 v public interface InterfaceExample {  
2     double percentageDiscountTobeApplied();  
3 }  
4 }
```

Below the code editor is a log table:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

At the bottom, there is a Filter input field and a link to Click here to filter the log list.



The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes File, Edit, Debug, Test, Workspace, Help, and a Go To button. The URL is devcom-c7-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The tabs at the top are InterfaceExample.apxc (selected) and PremiumCustomer.apxc. The status bar shows Code Coverage: None, API Version: 57, and Log executeAnonymous @23/02/2023, 10:12:49.

```
1 v public class PremiumCustomer implements InterfaceExample {  
2     public double percentageDiscountTobeApplied(){  
3         return 30.0;  
4     }  
5 }  
6  
7 }
```

A modal dialog titled "Enter Apex Code" is open in the center of the screen, containing the following code:

```
1 PremiumCustomer pc = new PremiumCustomer();  
2 Double test = pc.percentageDiscountTobeApplied();  
3 System.debug(test);
```

At the bottom of the dialog are three buttons: Open Log, Execute, and Execute Highlighted. The "Execute" button is highlighted with a red border.

Below the dialog is a log table:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

At the bottom, there is a Filter input field and a link to Click here to filter the log list.

Developer Console

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

InterfaceExample.apxc | PremiumCustomer.apxc | Log executeAnonymous @23/02/2023, 10:12:49

Execution Log

Timestamp	Event	Details
10:12:49:007	USER_DEBUG	[3][DEBUG]30.0

Enter Apex Code

```
1 PremiumCustomer pc = new PremiumCustomer();
2 Double test = pc.percentageDiscountTobeApplied();
3 System.debug(test);
```

This Frame Executable  Debug Only  Filter Click here to filter the log

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

Filter Click here to filter the log list

Developer Console

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

normalCustomer.apxc | Log executeAnonymous @23/02/2023, 10:25:38 | PremiumCustomer.apxc | InterfaceExample.apxc

Code Coverage: None API Version: 57 Go To

```
1 public class normalCustomer implements InterfaceExample {
2     public double percentageDiscountTobeApplied(){
3         return 10.0;
4     }
5 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:25:38	Success		3.85 KB
Singiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

Filter Click here to filter the log list

The screenshot shows the Salesforce Developer Console interface. At the top, there's a navigation bar with links like File, Edit, Debug, Test, Workspace, Help, etc. Below the navigation bar, the URL is `decom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. There are tabs for `normalCustomer.apxc`, `Log executeAnonymous @23/02/2023, 10:25:38`, `PremiumCustomer.apxc`, and `InterfaceExample.apxc`. The main area is titled "Execution Log". It shows a timestamp of `10:25:38:014` and an event `USER_DEBUG` with details `[3] DEBUG|10.0`. Below this is an "Enter Apex Code" dialog box containing the following code:

```

1 normalCustomer nc = new normalCustomer();
2 Double test = nc.percentageDiscountToBeApplied();
3 System.debug(test);

```

At the bottom of the developer console, there's a log table with columns: User, Application, Operation, Time, Status, Read, and Size. It lists two entries from "Sriram Charan Teja" with status "Success".

## Exercise – 10

### Demo on DML Insert Operation Using Database Methods

The screenshot shows the Salesforce Developer Console interface. At the top, there's a navigation bar with links like File, Edit, Debug, Test, Workspace, Help, etc. Below the navigation bar, the URL is `decom-c7-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. There are tabs for `normalCustomer.apxc`, `Log executeAnonymous @23/02/2023, 10:25:38`, `PremiumCustomer.apxc`, `InterfaceExample.apxc`, and `DMLBilling.apxc`. The main area is titled "Execution Log". It shows a timestamp of `23/02/2023, 10:52:12` and a log entry for "DMLBilling.apxc" with status "Success". Below this is an "Enter Apex Code" dialog box containing the following code:

```

1 public class DMLBilling {
2     public void recordInsert(){
3         MCustomer__c mc = new MCustomer__c();
4         mc.Name='wipro';
5         mc.Customer_Type__c='Premium';
6         insert mc;
7         Id customer_id = mc.Id;
8         Billing__c[] bill = new List<Billing__c>{
9             new Billing__c(Status__c = 'Paid',Amount_Paid__c=5000000,customer__c=customer_id)
10        };
11        Database.Saveresult[] sr = Database.Insert(bill,false);
12        for(Database.Saveresult sd: sr){
13            if(sd.isSuccess()){
14                System.debug('Inserted Record Id: '+sd.getId());
15            }else{
16                for(Database.Error er: sd.getErrors()){
17                    system.debug(er.getStatusCode()+' : '+er.getMessage());
18                    system.debug('Fields which have error: '+er.getFields());
19                }
20            }
21        }
22    }

```

At the bottom of the developer console, there's a log table with columns: User, Application, Operation, Time, Status, Read, and Size. It lists three entries from "Sriram Charan Teja" with status "Success".

Developer Console

File Edit Debug Test Workspace Help < >

normalCustomer.apxc Log executeAnonymous @23/02/2023, 10:25:38 PremiumCustomer.apxc InterfaceExample.apxc DMLBilling.apxc Log executeAnonymous @23/02/2023, 10:52:12

Execution Log

Timestamp	Event	Details
10:52:12:103	USER_DEBUG	[14] DEBUG Inserted Record Id: a012w000017QqpWAAS

Enter Apex Code

```
1 DMLBilling d = new DMLBilling();
2 d.recordInsert();
```

Open Log Execute Execute Highlighted

This Frame Executable Debug Only Filter Click here to filter the log

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:52:12	Success		6.41 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:25:38	Success		3.85 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

Filter Click here to filter the log list

B - 0008 | Salesforce

devcom-c7-dev-ed.develop.lightning.force.com/lightning/r/Billing\_\_c/a012w000017QqpWAAS/view

Code Playground Leads Accounts Contacts Opportunities Cases Billings MCustomer

Billing B - 0008

New Contact Edit New Opportunity

Related Details

Billing Number  
B - 0008

Amount Paid  
₹50,00,000

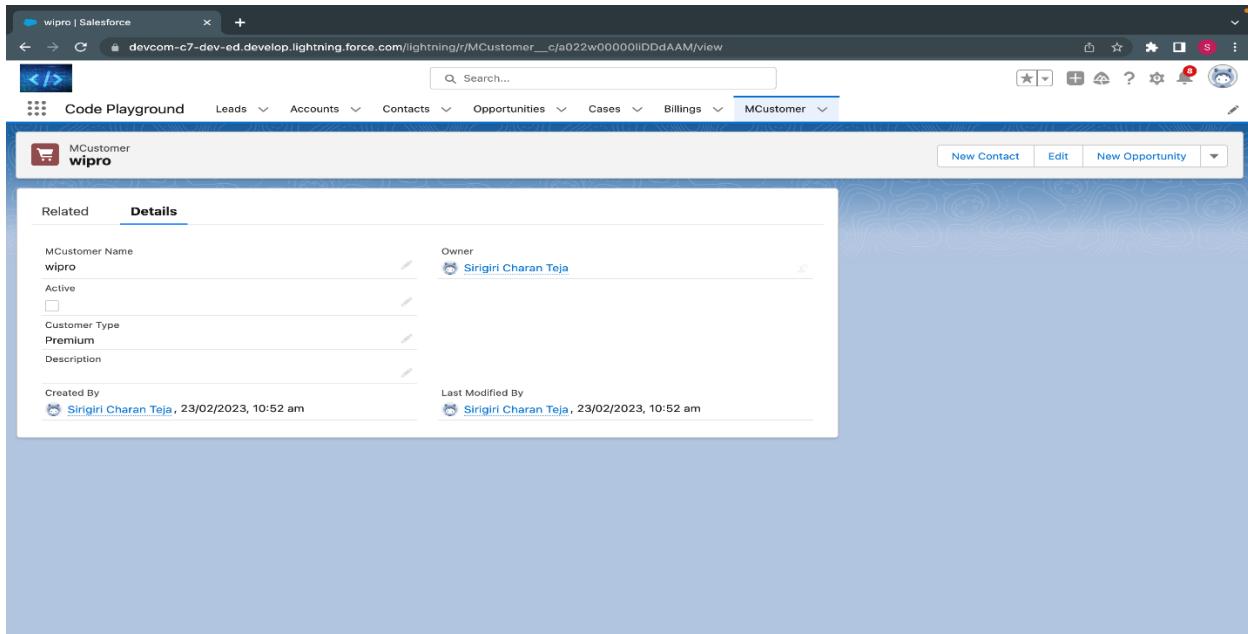
Customer Type

Status  
Paid

Customer  
wipro

Created By  
Sirigiri Charan Teja, 23/02/2023, 10:52 am

Last Modified By  
Sirigiri Charan Teja, 23/02/2023, 10:52 am



## Exercise – 11

### Displaying Records According to the required conditions(SOQL Queries)

Query Results - Total Rows: 10						
Id	AccountId	Amount	StageName	Name	Account.Industry	Account.Website
0062w00000JwulFAAR	0012w00001L5LcmAAF	125000	Negotiation/Review	United Oil Office Portable Generators	Energy	http://www.ios.com
0062w00000JwuJ3AAR	0012w00001L5LcmAAF	270000	Proposal/Price Quote	United Oil Refinery Generators	Energy	http://www.ios.com
0062w00000JwukAAR	0012w00001L5LcmAAF	120000	Closed Won	United Oil SLA	Energy	http://www.ios.com
0062w00000JwuLSAAR	0012w00001L5LcmAAF	270000	Negotiation/Review	United Oil Installations	Energy	http://www.ios.com
0062w00000JwuVwVAR	0012w00001L5LcmAAF	270000	Closed Won	United Oil Installations	Energy	http://www.ios.com
0062w00000JwxIxVAR	0012w00001L5LcmAAF	915000	Closed Won	United Oil Refinery Generators	Energy	http://www.ios.com
0062w00000JwicAAB	0012w00001L5LcmAAF	235000	Closed Won	United Oil Installations	Energy	http://www.ios.com
0062w00000JwidAAB	0012w00001L5LcmAAF	440000	Closed Won	United Oil Emergency Generators	Energy	http://www.ios.com
0062w00000JwifFAAB	0012w00001L5LcmAAF	120000	Closed Won	United Oil Standby Generators	Energy	http://www.ios.com
0062w00000JwhuhAAB	0012w00001L5LcmAAF	675000	Needs Analysis	United Oil Plant Standby Generators	Energy	http://www.ios.com

Query Grid: Save Rows | Insert Row | Delete Row | Refresh Grid | Access in Salesforce: Create New | Open Detail Page | Edit Page

Log | Tests | Checkpoints | Query Editor | View State | Progress | Problems

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:52:12	Success		6.41 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:25:38	Success		3.85 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

Filter | Click here to filter the log list

# Exercise – 12

## Created a Trigger for Billing Named CustomerTrigger

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes 'File', 'Edit', 'Debug', 'Test', 'Workspace', 'Help', and tabs for 'PremiumCustomer.apxc', 'InterfaceExample.apxc', 'DMLBilling.apxc', 'Log executeAnonymous @23/02/2023, 10:52:12', 'Opportunity.obj', 'Opportunity@11:00 AM', and 'CustomerTrigger.apxt'. The code editor contains the following Apex trigger:

```
trigger CustomerTrigger on MCustomer__c (after update) {
    if(Trigger.isAfter && Trigger.isUpdate){
        for(MCustomer__c cs:Trigger.new){
            if(cs.Active__c==true){
                Billing__c b = new Billing__c();
                b.Status__c='Paid';
                b.Amount_Paid__c=1000000;
                b.Customer__c='a022w00000liDDdAAM';
                insert b;
            }
        }
    }
}
```

Below the code editor is a log table with three entries:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:52:12	Success		6.41 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:25:38	Success		3.85 KB
Sirigiri Charan Teja	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 10:12:49	Success		3.81 KB

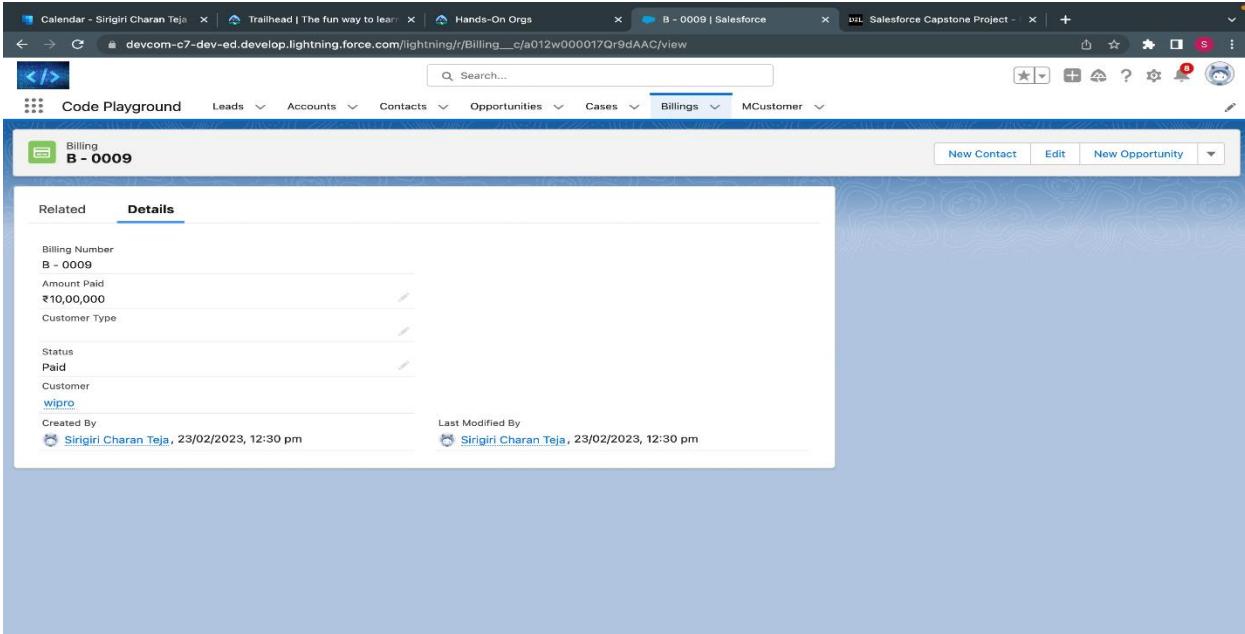
At the bottom of the log area is a 'Filter' button and a placeholder 'Click here to filter the log list'.

asd

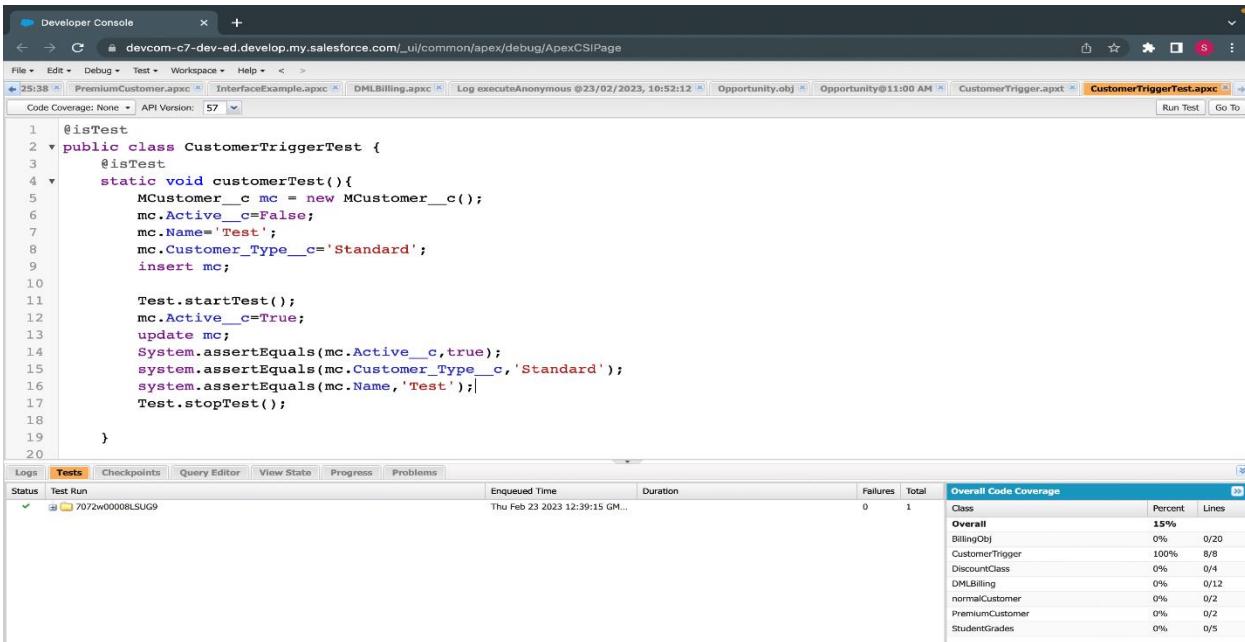
The screenshot shows the Salesforce Lightning Experience. The top navigation bar includes 'wipro | Salesforce', 'Search...', and various icons. The page title is 'wipro | Salesforce'. The URL is 'devcom-c7-dev-ed.develop.lightning.force.com/lightning/r/MCustomer\_\_c/a022w00000liDDdAAM/view'. The page header shows 'Code Playground' and navigation links for Leads, Accounts, Contacts, Opportunities, Cases, Billings, and MCustomer. The main content area displays a MCustomer record for 'wipro'. The record details are as follows:

Related	Details
MCustomer Name wipro	Owner Sirigiri Charan Teja
Active <input checked="" type="checkbox"/>	
Customer Type Premium	
Description	
Created By Sirigiri Charan Teja, 23/02/2023, 10:52 am	Last Modified By Sirigiri Charan Teja, 24/02/2023, 10:47 am

# New Record Created in Billing Object with Salesforce as Customer



## Exercise – 13 Created a Test class for CustomerTrigger



## Exercise – 14

### Created a Trigger for Leads Named DisqualifyTestLeads

The screenshot shows the Salesforce Developer Console with the code editor open. The trigger code is pasted into the editor:

```
trigger DisqualifyTestLeads on Lead (after insert) {
    List<Lead> li = new List<Lead>();
    for(Lead l : Trigger.new){
        if(l.FirstName=='Test' && l.LastName==null || l.LastName=='Test' && l.FirstName==null){
            system.debug(l.FirstName+' '+l.LastName+' Will be disqualified');
            li.add(l);
        }
        list<Lead> get_leads = [select Id, Name, Status from Lead where Id IN:Trigger.new];
        for(Lead ls:get_leads){
            ls.Status = 'Disqualified';
        }
        update get_leads;
    }else if(l.LastName==null &&l.FirstName==null){
        li.add(l);
    }
    else{
        laddError('Firstname and Lastname are Mandatory');
    }
}
}
```

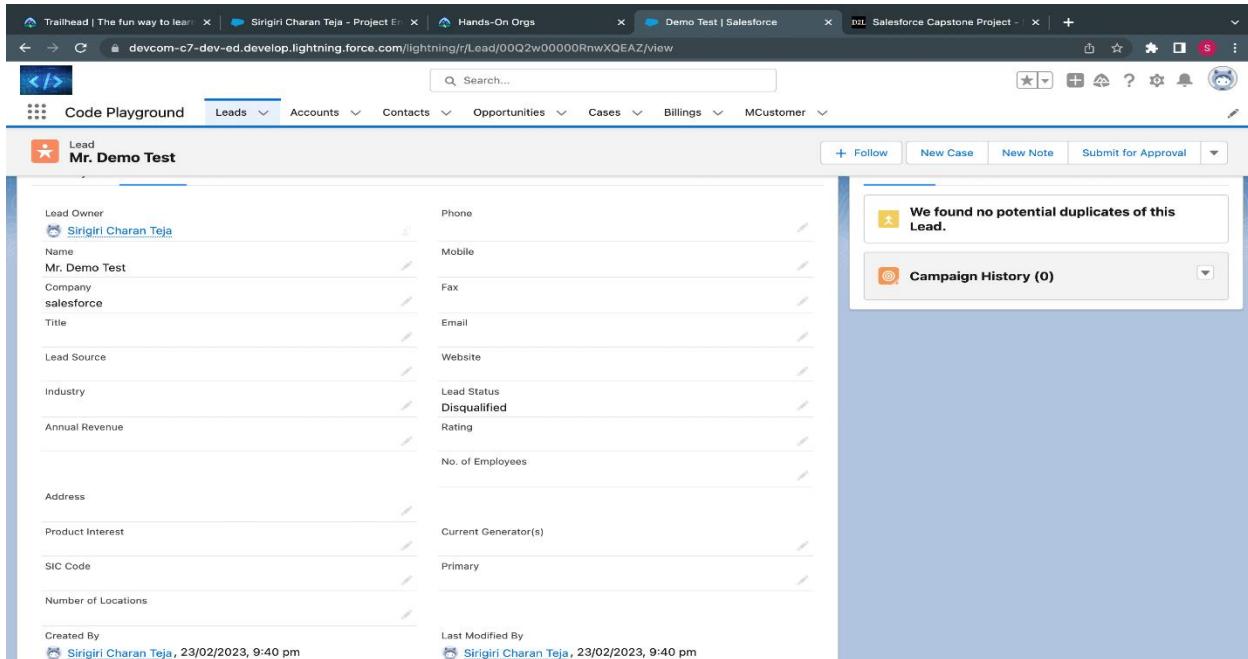
Below the code editor is a log viewer window titled "Logs". It displays a table of log entries:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:22	Success	Unread	1.26 KB
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:22	Success	Unread	1.86 KB
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:21	Success	Unread	0.46 KB
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:21	Success	Unread	1.26 KB
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:16	Success	Unread	1.26 KB
Singiri Charan Teja	Browser	/aura	23/02/2023, 21:40:13	Success	Unread	1.26 KB

The screenshot shows the Salesforce Lightning Experience with a "New Lead" form open. The form has several fields highlighted in yellow, indicating validation errors:

- Name: Mr.
- Last Name: test
- Company: docor

A red error message at the bottom of the form states: "We hit a snag. Review the errors on this page. • Firstname and Lastname are Mandatory".



## Exercise – 15

### Created a test class for DisqualifyTestLeads trigger

Developer Console

```

1  @isTest
2  public class DisqualifyTestLeads {
3      @istest
4      public static void insertTest(){
5          List<Lead> test_list = new list<Lead>();
6          Lead l1=new Lead();
7          l1.FirstName='Teja';
8          l1.LastName='Test';
9          l1.Company='Wepto';
10         l1.Status='Disqualified';
11         test_list.add(l1);
12         Test.startTest();
13         insert test_list;
14         Test.stopTest();
15         system.assertequals(l1.FirstName,'Teja');
16         system.assertequals(l1.LastName,'Test');
17         System.assertEquals(l1.Status,'Disqualified');
18     }
19     @isTest
20     public static void test2(){
21         List<Lead>test_list2 = new list<Lead>();
22         Lead l2 = new Lead();

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	7072w00008LT3BEY	Thu Feb 23 2023 21:57:32 GM...		0	2
✓	7072w00008LT3F1	Thu Feb 23 2023 21:56:18 GM...		0	2
✗	7072w00008LT1WA	Thu Feb 23 2023 21:55:18 GM...		1	3
✗	7072w00008LT348	Thu Feb 23 2023 21:53:42 GM...		1	3
✓	7072w00008LT40V	Thu Feb 23 2023 22:07:12 GM...		0	1
✗	7072w00008LT45Z	Thu Feb 23 2023 22:08:15 GM...		1	4

Overall Code Coverage

Class	Percent	Lines
DiscountClass	0%	0/4
DisqualifyTestLeads	100%	11/11
DMLBilling	0%	0/2
normalCustomer	0%	0/2
PremiumCustomer	0%	0/2
StudentGrade	0%	0/2

Developer Console

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

DMLBilling.apxc CustomerTrigger.apxc CustomerTriggerTest.apxc DisqualifyTestLeads.apxc DisqualifyTestLeads.apxc

Code Coverage: None ▾ API Version: 57 ▾

```

18
19     @isTest
20 ▾ public static void test2(){
21     List<Lead> test_list2 = new list<Lead>();
22     Lead l2 = new Lead();
23     l2.LastName='Test';
24     l2.Company='wepto';
25     l2.FirstName=null;
26     test_list2.add(l2);
27     Test.startTest();
28     insert test_list2;
29     Test.stopTest();
30     system.assertEquals(l2.FirstName,null);
31     system.assertEquals(l2.LastName,'Test');
32 }
33 @isTest
34 ▾ static void leadTest3(){
35     List<Lead> test_list3 = new list<lead>();
36     Lead l3 = new Lead();
37     l3.FirstName='Surya';
38     l3.LastName='Darl';
39     l3.Company='wepto';

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	7072w00008LT3EY	Thu Feb 23 2023 21:57:32 GM...		0	2
✓	7072w00008LT3F1	Thu Feb 23 2023 21:56:18 GM...		0	2
✗	7072w00008LT1WA	Thu Feb 23 2023 21:55:18 GM...		1	3
✗	7072w00008LT348	Thu Feb 23 2023 21:53:42 GM...		1	3
✓	7072w00008LT40V	Thu Feb 23 2023 22:07:12 GM...		0	1
✗	7072w00008LT45Z	Thu Feb 23 2023 22:20:15 GM...		1	4

Overall Code Coverage

Class	Percent	Lines
DiscountClass	0%	0/4
DisqualifyTestLeads	100%	11/11
DMLBilling	0%	0/12
normalCustomer	0%	0/2
PremiumCustomer	0%	0/2
StudentGrade	0%	0/5

Developer Console

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

DMLBilling.apxc CustomerTrigger.apxc CustomerTriggerTest.apxc DisqualifyTestLeads.apxc DisqualifyTestLeads.apxc

Code Coverage: None ▾ API Version: 57 ▾

```

29     Test.stopTest();
30     system.assertEquals(l2.FirstName,null);
31     system.assertEquals(l2.LastName,'Test');
32 }
33 @isTest
34 ▾ static void leadTest3(){
35     List<Lead> test_list3 = new list<lead>();
36     Lead l3 = new Lead();
37     l3.FirstName='Surya';
38     l3.LastName='Darl';
39     l3.Company='wepto';
40     test_list3.add(l3);
41     Test.startTest();
42     insert test_list3;
43     Test.stopTest();
44     system.assertEquals(l3.FirstName,'Surya');
45     system.assertEquals(l3.LastName,'Darl');
46
47
48 }
50

```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	7072w00008LT3EY	Thu Feb 23 2023 21:57:32 GM...		0	2
✓	7072w00008LT3F1	Thu Feb 23 2023 21:56:18 GM...		0	2
✗	7072w00008LT1WA	Thu Feb 23 2023 21:55:18 GM...		1	3
✗	7072w00008LT348	Thu Feb 23 2023 21:53:42 GM...		1	3
✓	7072w00008LT40V	Thu Feb 23 2023 22:07:12 GM...		0	1
✗	7072w00008LT45Z	Thu Feb 23 2023 22:20:15 GM...		1	4

Overall Code Coverage

Class	Percent	Lines
DiscountClass	0%	0/4
DisqualifyTestLeads	100%	11/11
DMLBilling	0%	0/12
normalCustomer	0%	0/2
PremiumCustomer	0%	0/2
StudentGrade	0%	0/5

## Exercise – 16

### Created a Visualforce Page OppView and displayed four apex:outputfields

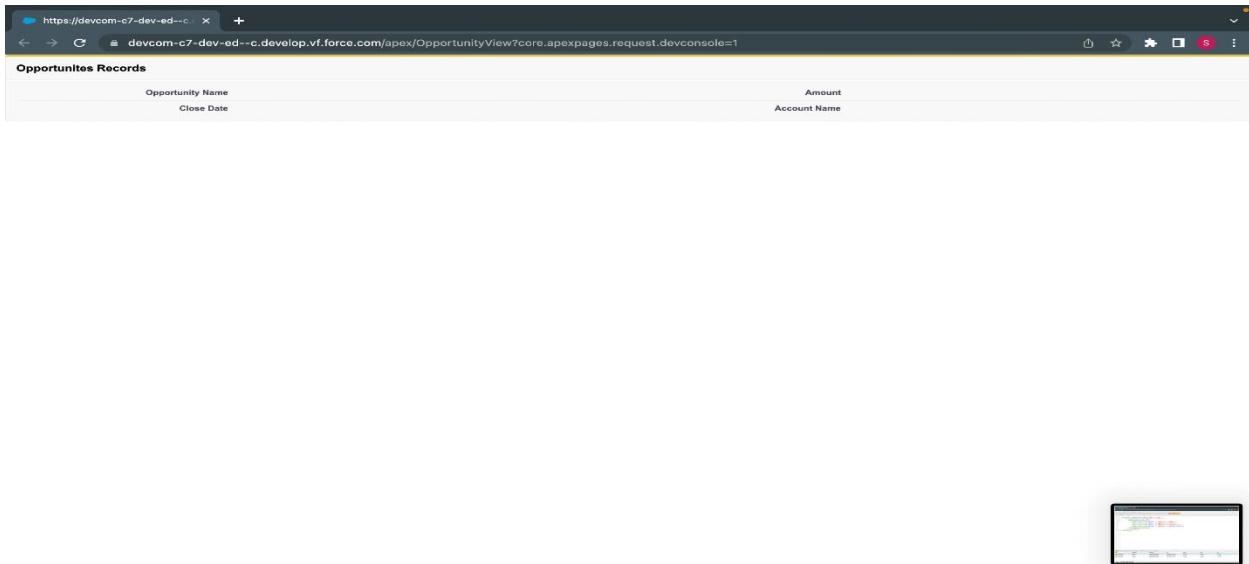
The screenshot shows the Salesforce Developer Console interface. At the top, there are tabs for 'Developer Console' and several Apex pages like 'DMLBilling.apxc', 'CustomerTrigger.apxt', 'CustomerTriggerTest.apxt', 'DisqualifyTestLeads.apxt', and 'OpportunityView.vfp'. Below the tabs, the 'Preview' section displays the Visualforce page source code:

```
1 <apex:page standardController="Opportunity" >
2   <apex:pageBlock title="Opportunities Records">
3     <apex:pageBlockSection>
4       <apex:outputField value="{! Opportunity.Name}"/>
5       <apex:outputField value="{! Opportunity.Amount}"/>
6       <apex:outputField value="{! Opportunity.CloseDate}"/>
7       <apex:outputField value="{! Opportunity.Account.Name}"/>
8     </apex:pageBlockSection>
9   </apex:pageBlock>
10 </apex:page>
```

Below the preview, the 'Logs' tab is selected, showing a table of log entries:

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:44	Success	Unread	1.18 KB
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:42	Success	Unread	1.18 KB
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:00:17	Success	Unread	1.19 KB

At the bottom, there are 'Filter' and 'Click here to filter the log list' buttons.



## Exercise – 17

Created a Visualforce page that shows a list of Accounts linked to their record pages

The screenshot shows the Salesforce Developer Console interface. At the top, there are tabs for 'Developer Console' and 'https://devcom-c7-dev-ed--c.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage'. Below the tabs, a navigation bar includes 'File', 'Edit', 'Debug', 'Test', 'Workspace', 'Help', and a search bar. A tab bar shows several open pages: 'DMLBilling.apxc', 'CustomerTrigger.apxt', 'CustomerTriggerTestLeads.apxt', 'OpportunityView.vfp', and 'AccountList.vfp' (which is highlighted). A 'Preview' button and an 'API Version' dropdown (set to 57) are also present.

The main area displays the Visualforce page source code:

```
1 <apex:page standardController="Account" recordSetVar="Accounts" >
2   <apex:pageBlock title="Account Names">
3     <apex:repeat var="ac" value="{!Accounts}">
4       <li>
5         <apex:outputLink value="/{ac.Id}">
6           <apex:outputText value="{!ac.Name}" />
7         </apex:outputLink>
8       </li>
9     </apex:repeat>
10    </apex:pageBlock>
11  </apex:page>
```

Below the code, a table titled 'Logs' shows a history of operations:

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Browser	/apex/AccountList	24/02/2023, 10:21:50	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:44	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:42	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:00:17	Success	Unread	1.19 KB

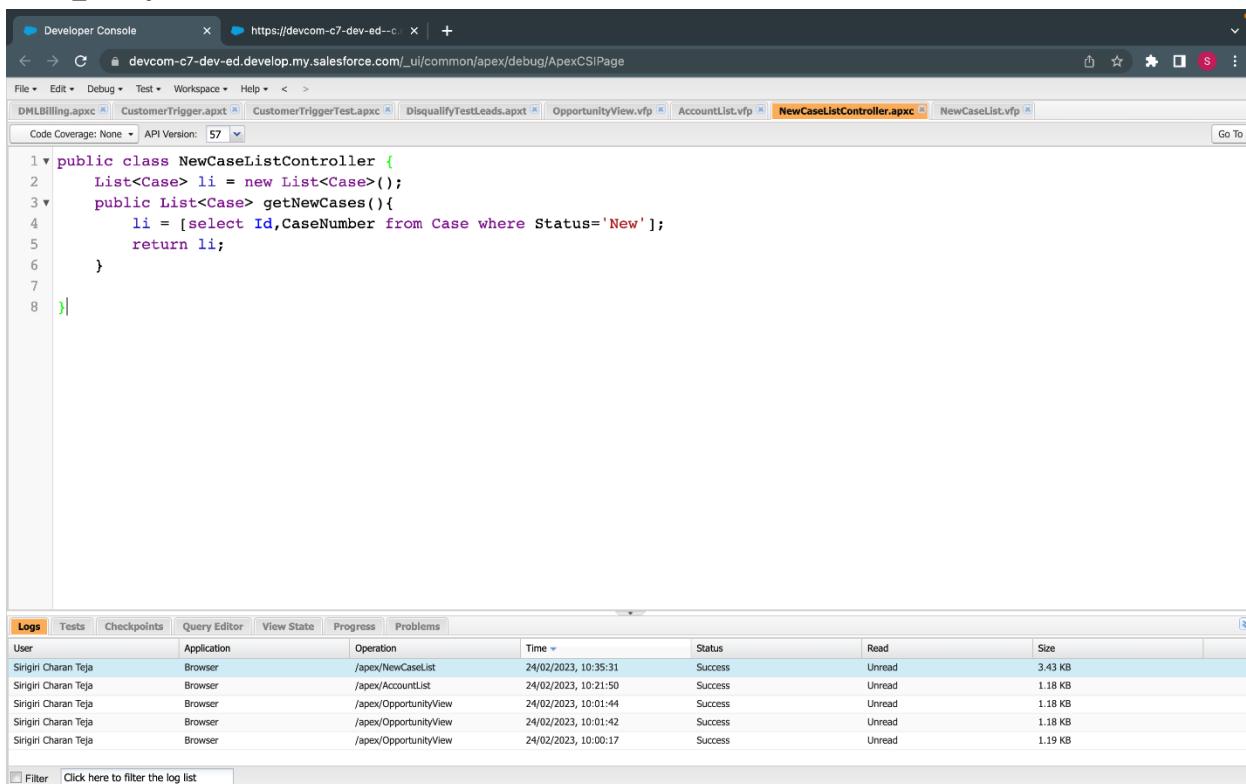
At the bottom, there is a 'Filter' input field and a link 'Click here to filter the log list'.

The screenshot shows a browser window with the URL 'https://devcom-c7-dev-ed--c.develop.vt.force.com/apex/AccountList?core.apexpages.request.devconsole=1'. The page title is 'Account Names'. The content is a list of account names, each preceded by a blue link icon:

- Burlington Textiles Corp of America
- Dickenson plc
- Edge Communications
- Express Logistics and Transport
- GenePoint
- Grand Hotels & Resorts Ltd
- Pyramid Construction Inc.
- Sample Account for Entitlements
- sForce
- United Oil & Gas Corp.
- United Oil & Gas, Singapore
- United Oil & Gas, UK
- University of Arizona

## Exercise – 18

Created a Visualforce page that uses an Apex class to display a list of cases with the status of ‘New’.



```
1 public class NewCaseListController {
2     List<Case> li = new List<Case>();
3     public List<Case> getNewCases(){
4         li = [select Id,CaseNumber from Case where Status='New'];
5         return li;
6     }
7 }
8 }
```

User	Application	Operation	Time	Status	Read	Size
Singiri Charan Teja	Browser	/apex/NewCaseList	24/02/2023, 10:35:31	Success	Unread	3.43 KB
Singiri Charan Teja	Browser	/apex/AccountList	24/02/2023, 10:21:50	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:44	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:42	Success	Unread	1.18 KB
Singiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:00:17	Success	Unread	1.19 KB

Developer Console https://devcom-c7-dev-ed.c-develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

DMLBilling.apxc CustomerTrigger.apxt CustomerTriggerTest.apxt DisqualifyTestLeads.apxt OpportunityView.vfp AccountList.vfp NewCaseListController.apxc **NewCaseList.vfp**

Preview API Version: 57

```
1 <apex:page controller="NewCaseListController">
2   <apex:pageBlock title="New Case Records">
3     <apex:repeat var="cases" value="{!NewCases}">
4       <li>
5         <apex:outputLink value="/{!cases.Id}">{!cases.id}</apex:outputLink>
6         {!cases.CaseNumber}
7       </li>
8     </apex:repeat>
9   </apex:pageBlock>
10 </apex:page>
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Sirigiri Charan Teja	Browser	/apex/NewCaseList	24/02/2023, 10:35:31	Success	Unread	3.43 KB
Sirigiri Charan Teja	Browser	/apex/AccountList	24/02/2023, 10:21:50	Success	Unread	1.18 KB
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:44	Success	Unread	1.18 KB
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:01:42	Success	Unread	1.18 KB
Sirigiri Charan Teja	Browser	/apex/OpportunityView	24/02/2023, 10:00:17	Success	Unread	1.19 KB

Filter Click here to filter the log list

Developer Console https://devcom-c7-dev-ed.c-develop.vf.force.com/apex/NewCaseList?core.apexpages.request.devconsole=1

## New Case Records

- 5002w00000fQJCAA2 00001002
- 5002w00000fQJQAA2 00001016
- 5002w00000fQJYAA2 00001024

## References

1. [Manage sales - Salesforce IN](#)
2. [Salesforce - ADX201 Administrative Essentials for New Admins in Lightning Experience \(SFADX201\) \(qa.com\)](#)
3. [Understand the Salesforce Architecture Unit | Salesforce Trailhead](#)