



salesforce



# CAPSTONE PROJECT

Deepak Yadav

# AGENDA

Introduction

Module 1

Module 2

Module 3

Salesforce Chatter Home | Salesforce

wiprocom-79d-dev-ed.develop.lightning.force.com/lightning/page/chatter

Gmail Greatlearning login Maps Tenda Wireless Rou... YouTube Salesforce.com , Fo... Salesforce-DEX-450...

Travel App Chatter Dashboards Reports Departments Travel Approvals

Search...

What I Follow To Me Bookmarked Company Highlights My Drafts

STREAMS + You don't have any streams yet. Try creating one!

RECENT GROUPS + Aw, you don't have any groups! Why not create or join some now?

Post Poll Question Share an update... Share

Sort by: Top Posts Search this feed...

TA-0001 — Deepak Yadav 16 February 2023 at 11:07 pm

@Eric Executive Which department should I associate this travel request with?

Like Comment 1 comment · 1 view

Eric Executive 8 days ago Technology is the correct department. Like

Write a comment...

Einstein Recommendations

Eric Executive Joined in the last month + Follow Skip

Integration User Joined in the last month + Follow Skip

Security User Joined in the last month + Follow Skip

18°C Haze Search

ENG IN 23:08 24-02-2023

# Travel Approval Record

New Travel Approval

Information

Travel Approval #	Owner
	Deepak Yadav
Status	Department
--None--	Search Departments... <input type="button" value="Search"/>

Trip Info

Purpose of Trip	Out-of-State <input type="checkbox"/>
Trip Start Date	Destination State
Trip End Date	

Travel App Chatter Dashboards Reports Departments Travel Approvals

Travel Approval TA-00001

Related Details

Travel Approval #	Owner
TA-00001	Deepak Yadav
Status	Department
Draft	Technology
Total Expenses	
₹1,320.00	
Status Indicator	

**Trip Info**

Purpose of Trip	Out-of-State <input checked="" type="checkbox"/>
Attend Dreamforce	
Trip Start Date	Destination State
18/02/2023	CA
Trip End Date	
24/02/2023	
Created By	Last Modified By
Deepak Yadav, 16/02/2023, 10:34 pm	Deepak Yadav, 17/02/2023, 8:11 pm

## Data Import Wizard

The screenshot shows the first step of the Data Import Wizard in Salesforce. The title bar includes the Salesforce logo, a search bar, and various icons. The main area has a progress bar at the top with three steps: "Choose data" (blue), "Edit mapping" (grey), and "Start import" (grey). A blue callout bubble points to the "Choose data" step with the text "Getting closer...". Below the progress bar, there's a section titled "Import your Data into Salesforce" with a note about importing up to 50,000 records at a time. The "What kind of data are you importing?" section shows "Standard objects" selected. The "What do you want to do?" section shows "Add new records" selected. The "Where is your data located?" section has a "Drag CSV file here to upload" input field and a "CSV" file icon. On the left, a sidebar lists "Departments", "Expense Items", and "Travel Approvals". At the bottom are "Cancel", "Previous", and "Next" buttons.

Choose data

Getting closer...

Edit mapping

Start import

Import your Data into Salesforce

You can import up to 50,000 records at a time.

What kind of data are you importing? ?

Standard objects Custom objects

Departments

Expense Items

Travel Approvals

What do you want to do? ?

Add new records ✓

Match by: ?  
-None--

Which User field in your file designates record owners? ?  
-None--

Trigger workflow rules and processes? ?  
 Trigger workflow rules and processes for new and updated records

Where is your data located? ?

Drag CSV file here to upload

CSV

Cancel Previous Next

<https://wiprocom-79d-dev-ed.develop.lightning.force.com/datalporter/datalporter.app#>

The screenshot shows a list of departments in the "Travel App". The header includes the app logo, a search bar, and navigation links like Chatter, Dashboards, Reports, Departments, and Travel Approvals. The main content shows a table with 16 items, sorted by Department Name. Each item has a checkbox and the department name listed. The table has a header row with "Department Name ↑".

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

## Custom Object

New Expense Item

Information

Expense Item Number

\*Amount

\*Expense Type

--None-- ▾

\*Travel Approval

 TA-00001 X

Cancel Save & New Save

# New User

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

- Header:** Search bar with "Search Setup".
- Top Navigation:** Icons for Home, Object Manager, and various system settings.
- Left Sidebar:**
  - Setup tab selected.
  - Home tab.
  - Object Manager dropdown.
  - Search bar: "user".
  - Users section expanded:
    - Permission Set Groups
    - Permission Sets
    - Profiles
    - Public Groups
    - Queues
    - Roles
    - User Management Settings (selected)
    - Users (selected)
  - Feature Settings section:
    - Data.com
    - Prospector Users
  - User Interface section:
    - Action Link Templates
    - Actions & Recommendations
    - App Menu
    - Custom Labels
    - Density Settings
- Page Content:**
  - Header:** SETUP Users
  - Title:** All Users
  - Text:** On this page you can create, view, and manage users. In addition, download SalesforceA to view and edit user details, reset passwords, and perform other administrative tasks from your mobile devices: [iOS](#) | [Android](#)
  - View Selection:** View: All Users | [Edit](#) | [Create New View](#)
  - Navigation:** A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [All](#)
  - Table:** A list of users with columns: Action, Full Name, Alias, Username, Role, Active, and Profile. The table includes rows for Chatter Expert, Executive\_Eric, User\_Integration, User\_Security, and Yadav\_Deepak.
  - Buttons:** New User, Reset Password(s), Add Multiple Users.
  - Navigation:** A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | [All](#)

## List View

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The screenshot shows a Salesforce interface for a "Travel Approvals" application. The top navigation bar includes links for Chatter, Dashboards, Reports, Departments, and Travel Approvals. A search bar and various global navigation icons are also present.

The main content area displays a list titled "Open Out of State Travel Requests". The list shows one item, "Open Out of State Travel Requests", which is currently selected. Other options like "Recently Viewed (Pinned list)" and "All" are available. The list has a header row with columns for "Status", "Trip Start Date", and "Trip End Date". The "Trip Start Date" is set to 18/02/2023 and the "Trip End Date" is set to 24/02/2023.

To the right of the list, there is a "Filters" sidebar. It contains a section for "Filter by Owner" with the value "My travel approvals". Below this, it says "Matching all of these filters" and lists two filter conditions: "Out-of-State equals True" and "Status not equal to Approved, Rejected". Buttons for "Add Filter", "Remove All", and "Add Filter Logic" are located at the bottom of the sidebar.

# Customizing Related List

The screenshot shows a Salesforce Lightning interface for a Travel Approval record (TA-00001). The top navigation bar includes links for 'Create a Roll-Up Summary Field', 'TA-00001 | Salesforce', and 'Users | Salesforce'. The main header shows the URL 'wiprocom-79d-dev-ed.lightning.force.com/lightning/r/Travel\_Approval\_c/a012w000016oNgGAAU/view' and various browser tabs.

The page title is 'Travel Approval TA-00001'. The top navigation bar also includes 'Travel App', 'Chatter', 'Dashboards', 'Reports', 'Departments', and 'Travel Approvals'.

The main content area is divided into sections:

- Related:** This section contains three expandable panels:
  - Notes & Attachments (0)**: Includes an 'Upload Files' button and a placeholder for file uploads.
  - Expense Items (2)**: A table showing expense items with columns for Expense Item Number, Expense Type, and Amount.

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

[View All](#)
  - Approval History (3)**: A list of three approval entries.
- Activity:** This section displays activity feed icons and filters. It shows no upcoming or overdue activities.
- Chatter:** This section shows no past activity.

At the bottom, there is a status bar with weather information (17°C Haze), system icons, and the date/time (00:21 25-02-2023).

# Travel App :

The screenshot shows a Salesforce Lightning interface for a Travel Approval record. The record ID is TA-00001. The page includes a header with tabs for 'Create a Roll-Up Summary Field', 'TA-00001 | Salesforce', and 'Users | Salesforce'. Below the header is a toolbar with various icons. The main content area has tabs for 'Related' and 'Details'. Under 'Details', fields include 'Travel Approval # (TA-00001)', 'Status (Draft)', 'Total Expenses (₹1,320.00)', 'Status Indicator (blue gear icon)', and a 'Trip Info' section. The 'Trip Info' section contains fields for 'Purpose of Trip (Attend Dreamforce)', 'Out-of-State (checkbox checked)', 'Destination State (CA)', 'Trip Start Date (18/02/2023)', 'Trip End Date (24/02/2023)', 'Created By (Deepak Yadav)', and 'Last Modified By (Deepak Yadav)'. To the right of the details is a 'Chatter' panel showing activity feed, a post input field, and a search bar. The bottom of the screen shows a taskbar with various application icons and system status indicators.

Create a Roll-Up Summary Field | TA-00001 | Salesforce | Users | Salesforce

wiprocom-79d-dev-ed.lightning.force.com/lightning/r/Travel\_Approval\_c/a012w000016oNgGAAU/view

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Travel App Chatter Dashboards Reports Departments Travel Approvals

Travel Approval  
TA-00001

Follow Edit New Contact New Opportunity

Related Details

Travel Approval #  
TA-00001

Status  
Draft

Total Expenses  
₹1,320.00

Status Indicator

Trip Info

Purpose of Trip  
Attend Dreamforce

Out-of-State

Destination State  
CA

Trip Start Date  
18/02/2023

Trip End Date  
24/02/2023

Created By  
Deepak Yadav, 16/02/2023, 10:34 pm

Last Modified By  
Deepak Yadav, 17/02/2023, 8:11 pm

Activity Chatter

Post Poll Question

Share an update... Share

Search this feed...

Deepak Yadav updated this record.  
17 February 2023 at 8:11 pm

Status  
Approved to Draft

Like Comment

Write a comment...

17°C Haze

Search

Cloud

File

Message

Folder

Chrome

Google

Powerpoint

00:21

ENG IN

Wi-Fi

00:21

25-02-2023

# Validation Rules & Roll Up Summary Fields (Module 2)

SETUP > OBJECT MANAGER

## Travel Approval

Details      Validation Rules

1 Items, Sorted by Rule Name

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Trip_end_date_after_start_date	Trip End Date	Trip end date must be greater than or equal to start date	✓	Deepak Yadav, 17/02/2023, 6:26 pm

Fields & Relationships      Page Layouts      Lightning Record Pages      Buttons, Links, and Actions

SETUP > OBJECT MANAGER

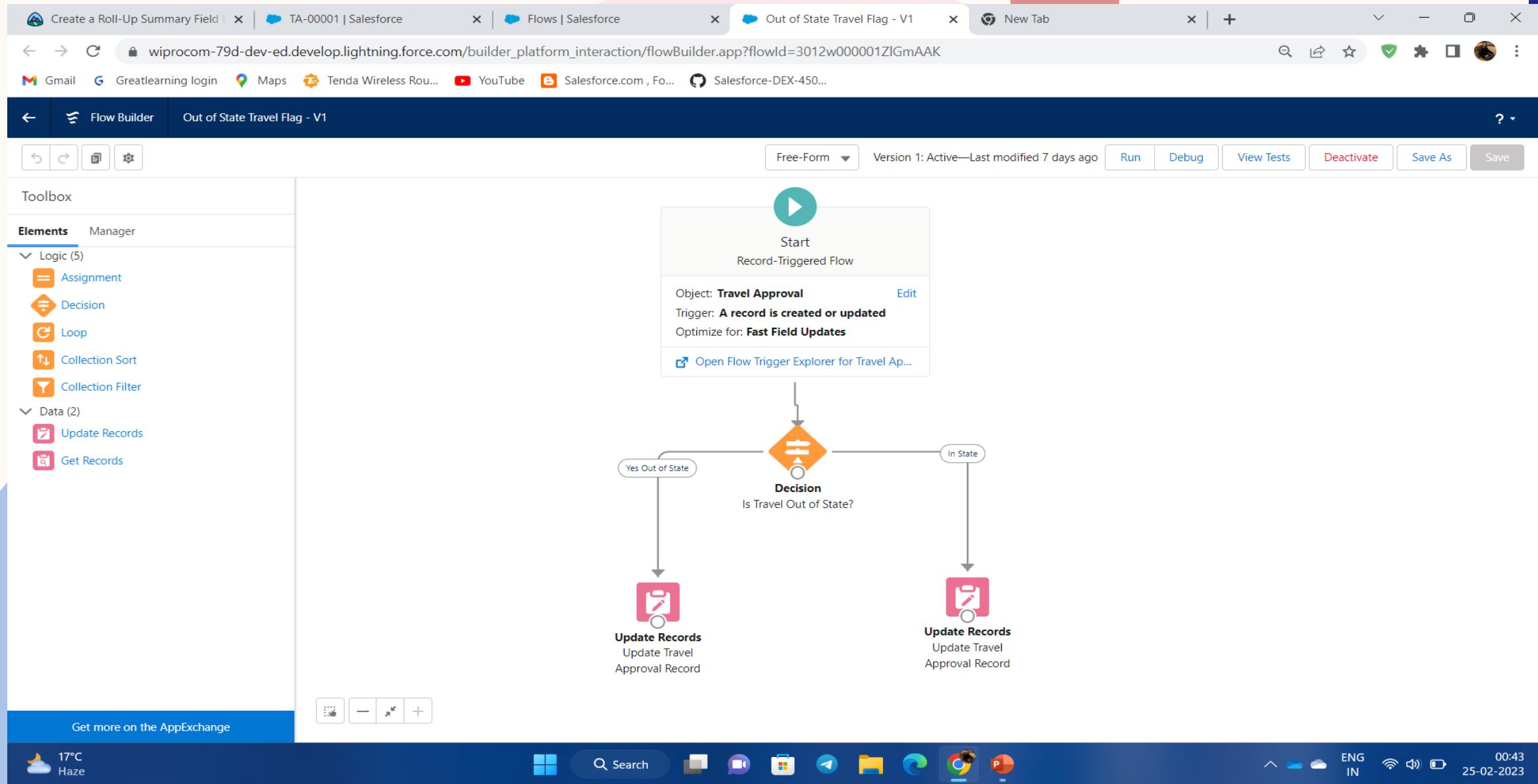
## Travel Approval

Details      Fields & Relationships

13 Items, Sorted by Field Label

Fields & Relationships			Quick Find	New	Deleted Fields	Field Dependencies	Set History Tracking
Page Layouts	Out-of-State	Out_of_State__c	Checkbox				
Lightning Record Pages	Owner	OwnerId	Lookup(User,Group)	✓			
Buttons, Links, and Actions	Purpose of Trip	Purpose_of_Trip__c	Text Area(255)				
Compact Layouts	Status	Status__c	Picklist				
Field Sets	Status Indicator	Status_Indicator__c	Formula (Text)				
Object Limits	Total Expenses	Total_Expenses__c	Roll-Up Summary (SUM Expense Item)				
Record Types	Travel Approval #	Name	Auto Number				
Related Lookup Filters							
Search Layouts							

## Flow



# Reports And Dashboards

Travel Requests Dashboard | Sales | Flows | Salesforce | Out of State Travel Flag - V1 | New Tab

wiprocom-79d-dev-ed.develop.lightning.force.com/lightning/r/Dashboard/01Z2w000000ebyrEAA/view?queryScope=userFolders

Gmail Greatlearning login Maps Tenda Wireless Rou... YouTube Salesforce.com , Fo... Salesforce-DEX-450...

Travel App Chatter Dashboards Reports Departments Travel Approvals

Search...

Dashboard

**Travel Requests Dashboard**

Last refreshed 4 days ago. Refresh this dashboard to see the latest data.

As of 20-Feb-2023, 10:13 pm Viewing as Deepak Yadav

Refresh Edit Subscribe

Travel Requests by Department

Record Count

Department	Record Count
Audit Services	58
Contract Management	70
Disability Determination Bureau	67
Division of Aging	70
Division of Disability and Rehabilitati...	71
Division of Family Resources	62
Division of Finance	69
Division of Mental Health and Ad...	59
Human Resources	58
Legislative Services	63
Office of Communications and M...	77
Office of Early Childhood and O...	69

View Report (Travel Requests by Department)

Travel Requests by Month

Record Count

Trip End Date > Out-of-State

Out-of-State

false true

Trip End Date	false	true
Jan...	69	231
Feb...	18	18
Mar...	24	6
Apr...	38	18
May...	46	16
June...	68	44
July...	12	8
Aug...	34	12
Sept...	58	58

View Report (Travel Requests by Month)

17°C Haze

Search

Clouds

Microsoft Edge

File

Folder

Google Chrome

PowerShell

00:45

ENG IN

25-02-2023

## Module 3 : (Exercise 1)

Recently Viewed | Customers | Code Playground - Lightning A +

wiprocom-7e0-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02u2w0000042T7pAAE&retUrl=https%3A%2F%2Fwiprocom-7e0-dev-ed.deve... Lightning Compon... WebComponents.... Tenda Wireless Ro...

Gmail playlist Olympus Algo AWS Skill Builder Modules | Salesfor... MANIPAL Code help Salesforce Lightning Compon... WebComponents.... Tenda Wireless Ro...

Lightning App Builder App Settings Pages Code Playground ? Help

**App Settings**

**App Details & Branding**

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

**App Details**

\* App Name i

\* Developer Name i

Description i

**App Branding**

Image i  Clear 

Primary Color Hex Value i  #0070D2

Org Theme Options  Use the app's image and color instead of the org's custom theme

**App Launcher Preview**



# Code Playground App

The screenshot shows a Salesforce Lightning interface with the following details:

- Header:** "Create a Roll-Up Summary Field" and "Recently Viewed | Leads | Salesforce".
- Breadcrumbs:** "wiprocom-7e0-dev-ed.develop.lightning.force.com/lightning/o/Lead/list?filterName=Recent".
- Toolbar:** Includes icons for Home, Recent, Search, and various system functions.
- Navigation:** "Code Playground" tab selected, with other tabs like Leads, Accounts, Contacts, Opportunities, Cases, Customers, and Billings.
- Section Header:** "Leads Recently Viewed" with a refresh icon.
- List Headers:** Name, Title, Company, Phone, Mobile, Email, Lead Status, Owner Alias.
- Items:** 2 items updated 2 minutes ago.

	Name	Title	Company	Phone	Mobile	Email	Lead Status	Owner Alias
1	JK Test		Wipro				Disqualified	DYada
2	Beta Tester		Wipro				Disqualified	DYada
- Bottom Bar:** Weather (17°C Haze), Search, Taskbar (File, Find, Copy, Paste, Undo, Redo, etc.), and System status (01:01, ENG IN, 25-02-2023).

# Exercise 2

The screenshot displays a browser window with six tabs, each showing the Salesforce Developer Console interface. The tabs are arranged in two columns of three. Each tab has a title bar with the URL `wiprocom-7e0-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage` and a timestamp indicating when the log was executed.

- Top Left Tab:** Log executeAnonymous @21/02/2023, 00:32:02. Shows the following execution log:

Timestamp	Event	Details
00:32:02:003	USER_DEBUG	[3]DEBUG String Variable name is :Deepak Yadav
00:32:02:003	USER_DEBUG	[4]DEBUG Checking endsWith method of String :true
00:32:02:003	USER_DEBUG	[5]DEBUG Checking endsWith method of String :false
- Top Middle Tab:** Log executeAnonymous @21/02/2023, 00:36:57. Shows the following execution log:

Timestamp	Event	Details
00:36:57:004	USER_DEBUG	[4]DEBUG date1 is :2023-02-21 00:00:00
00:36:57:004	USER_DEBUG	[5]DEBUG date2 is :2023-03-23 00:00:00
- Top Right Tab:** Log executeAnonymous @21/02/2023, 00:39:18. Shows the following execution log:

Timestamp	Event	Details
00:39:18:003	USER_DEBUG	[5]DEBUG Integer From String is :10
00:39:18:003	USER_DEBUG	[6]DEBUG Adding 20 to num1 :30
- Middle Left Tab:** Log executeAnonymous @21/02/2023, 00:41:04. Shows the following execution log:

Timestamp	Event	Details
00:41:04:002	USER_DEBUG	[3]DEBUG length of chant is :12
- Middle Middle Tab:** Log executeAnonymous @21/02/2023, 00:42:10. Shows the following execution log:

Timestamp	Event	Details
00:42:10:004	USER_DEBUG	[8]DEBUG list1 after using add() method :(4, 8, 12, 28, 40)
00:42:10:004	USER_DEBUG	[9]DEBUG Printing values of List using get() method ::
00:42:10:005	USER_DEBUG	[11]DEBUG 4
00:42:10:005	USER_DEBUG	[11]DEBUG 12
00:42:10:005	USER_DEBUG	[11]DEBUG 28
00:42:10:005	USER_DEBUG	[11]DEBUG 40
00:42:10:005	USER_DEBUG	[18]DEBUG list1 after set() method :(44, 88, 1212, 2828, 4040)
00:42:10:005	USER_DEBUG	[20]DEBUG list1 after clear() method :()
- Middle Right Tab:** Log executeAnonymous @21/02/2023, 12:01:41. Shows the following execution log:

Timestamp	Event	Details
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 0
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 1
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 2
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 3
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 4
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 5
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 6
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 7
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 8
12:01:41:003	USER_DEBUG	[13]DEBUG Value of x is: 9
- Bottom Left Tab:** Shows the logs section of the developer console, displaying a table of log entries. The table includes columns for User, Application, Operation, Time, Status, Read, and Size. One entry is highlighted in blue:

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:01:41	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:51	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:40	Success	9.45 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:14	Success	5.91 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:16	Success	6.16 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:00	Success	5.84 KB	
- Bottom Middle Tab:** Shows the logs section of the developer console, displaying a table of log entries. The table includes columns for User, Application, Operation, Time, Status, Read, and Size. One entry is highlighted in blue:

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:01:41	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:51	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:40	Success	9.45 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:14	Success	5.91 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:16	Success	6.16 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:00	Success	5.84 KB	
- Bottom Right Tab:** Shows the logs section of the developer console, displaying a table of log entries. The table includes columns for User, Application, Operation, Time, Status, Read, and Size. One entry is highlighted in blue:

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 12:01:41	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:51	Success	9.6 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:40	Success	9.45 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:59:14	Success	5.91 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:16	Success	6.16 KB	
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 11:58:00	Success	5.84 KB	

# Exercise (3,4&5)

The image shows three separate browser tabs, each representing a different execution of an anonymous apex script. Each tab has its own developer console interface with an 'Execution Log' section.

**Top Left Tab:** Shows a log entry from 21/02/2023, 00:50:30. The details show a USER\_DEBUG log entry: [3] DEBUG|Required Answer is :false

Timestamp	Event	Details
00:50:30:004	USER_DEBUG	[3] DEBUG Required Answer is :false

**Top Right Tab:** Shows two log entries: one from 21/02/2023, 00:50:30 and another from 21/02/2023, 00:54:13. Both entries are USER\_DEBUG logs indicating the required value is true.

Timestamp	Event	Details
00:54:13:004	USER_DEBUG	[3] DEBUG Required Value is :true

**Bottom Tab:** Shows a log entry from 21/02/2023, 00:56:17. This is a USER\_DEBUG log entry indicating the required answer is true.

Timestamp	Event	Details
00:56:17:004	USER_DEBUG	[3] DEBUG Required Answer is :true

**Bottom Panel:** A shared log viewer interface at the bottom of the screen. It includes filters for 'This Frame', 'Executable', 'Debug Only', and 'Filter'. The 'Logs' tab is selected, showing a table of log entries. The table has columns for User, Application, Operation, Time, Status, Read, and Size. All entries are for Deepak Yadav and show a status of Success.

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:56:17	Success		2.62 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:54:13	Success		2.52 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:50:30	Success		2.58 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:42:10	Success		6.6 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:41:04	Success		2.3 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 00:39:18	Success		3.08 KB

At the very bottom, there is a filter bar with the placeholder 'Click here to filter the log list'.

## Exercise (6&7)

The image shows two separate instances of the Salesforce Developer Console, each displaying an execution log for a specific exercise.

**Exercise 6 Execution Log:**

Timestamp	Event	Details
13:10:05:011	USER_DEBUG	[4] DEBUG Grade: A+
13:10:05:011	USER_DEBUG	[7] DEBUG Grade: A
13:10:05:011	USER_DEBUG	[10] DEBUG Grade: B
13:10:05:011	USER_DEBUG	[13] DEBUG Grade: Failed

**Exercise 7 Execution Log:**

Timestamp	Event	Details
17:58:13:040	USER_DEBUG	[8] DEBUG Value of Current Record on which Loop is iterating is Billing_c :Billing_c:{Id=a012w000017ERagAAG, Name=B - 0002, Amount_Paid__c=2000, Status__c=Paid}
17:58:13:040	USER_DEBUG	[8] DEBUG Value of Current Record on which Loop is iterating is Billing_c :Billing_c:{Id=a012w000017ERabAAG, Name=B - 0001, Amount_Paid__c=1000, Status__c=Paid}
17:58:13:040	USER_DEBUG	[14] DEBUG Billing Record are :(B - 0002, B - 0001)

At the bottom of the interface, there are several checkboxes and a filter input field:

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

# Exercise(8 &9)

Developer Console

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

DiscountClass.apxc | Log executeAnonymous @21/02/2023, 17:54:50

Execution Log

Timestamp	Event	Details
17:54:50:003	USER_DEBUG	[2] DEBUG finalPrice: 90.0

Developer Console

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

InterfaceExample.apxc | PremiumCustomer.apxc | NormalCustomer.apxc | Log executeAnonymous @21/02/2023, 19:11:51

Execution Log

Timestamp	Event	Details
19:11:51:023	USER_DEBUG	[3] DEBUG Discount for Premium Customer : 0.3
19:11:51:023	USER_DEBUG	[4] DEBUG Discount for Normal Customer : 0.1

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
Deepak Yadav	Unknown	/services/data/v57.0/tooling/execut...	21/02/2023, 19:11:51	Success		5.97 KB

Filter Click here to filter the log list

## Exercise 10

Developer Console x +

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

Excercise10.apxc Excercise11.apxc Log executeAnonymous @24/02/2023, 00:22:28

**Execution Log**

Timestamp	Event	Details
00:22:28:039	USER_DEBUG	[11] DEBUG System.DmlException: Insert failed. First exception on row 0; first error: REQUIRED_FIELD_MISSING, Required fields are missing: [Customer__c]: [Customer__c]
00:22:28:084	USER_DEBUG	[27] DEBUG get Id Of Success a012w000017s3JTAAY

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

Logs Tests Checkpoints **Query Editor** View State Progress Problems

Execute Use Tooling API

# Exercise 11

All Opportunities | Opportunities    Developer Console

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

Excercise10.apxc Excercise11.apxc Opportunity.obj Account.obj Opportunity@10:25 PM

```
SELECT Id, Amount, StageName, Account.Name, Account.Industry, Account.Website FROM Opportunity WHERE Account.Industry='Energy' AND Account.AnnualRevenue > 5000
```

**Query Results - Total Rows: 10**

ID	Amount	StageName	Account.Name	Account.Industry	Account.Website
0062w00000K2iKeAAJ	125000	Negotiation/Review	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iKiaAJ	270000	Proposal/Price Quote	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iKjAAJ	120000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iKrAAJ	270000	Negotiation/Review	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iKuAAJ	270000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iKwAAJ	915000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iL1AAJ	235000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iL2AAJ	440000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iL4AAJ	120000	Closed Won	United Oil & Gas Corp.	Energy	http://www.uos.com
0062w00000K2iL6AAJ	675000	Needs Analysis	United Oil & Gas Corp.	Energy	http://www.uos.com

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

Logs Tests Checkpoints **Query Editor** View State Progress Problems

```
SELECT Id, Amount, StageName, Account.Name, Account.Industry, Account.Website FROM Opportunity WHERE Account.Industry='Energy' AND Account.AnnualRevenue > 5000
```

Any query errors will appear here...

History

Executed

```
SELECT Id, Name, Amount_Paid__c, Status__c FROM Billing__c
SELECT Id, Name, Status__c FROM Billing__c
SELECT Id, Name FROM Account
SELECT Id, Amount, StageName, Account.Name, Account.Industry, Ac...
```

Execute  Use Tooling API

# Exercise 12

Developer Console x + v

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

CustomerTriggerTest.apxc CustomerTrigger.apxt Log executeAnonymous @24/02/2023, 00:34:26 Log executeAnonymous @24/02/2023, 00:35:22

Code Coverage: None API Version: 57 Go To

```
1 trigger CustomerTrigger on Customer__c (After insert,After update) {
2     if(Trigger.isAfter && (Trigger.isInsert || Trigger.isUpdate)){
3         List<Billing__c> bill_ex12=new List<Billing__c>();
4         for(Customer__c customer_up:Trigger.New){
5             if(customer_up.Active__c==true){
6                 Billing__c bill =new Billing__c();
7                 bill.Status__c='Paid';
8                 bill.Amount_Paid__c=1000000;
9                 bill_ex12.add(bill);
10            }
11        }
12        if(!bill_ex12.isEmpty()){
13            insert bill_ex12;
14        }
15    }
16}
17}
18}
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:42:37	Success	Unread	9.85 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:41:40	Success	Unread	11.53 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:40:45	Update failed. First exception on ro...	Unread	4.51 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:39:11	Update failed. First exception on ro...	Unread	4.49 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:37:00	Update failed. First exception on ro...	Unread	4.5 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:35:22	Update failed. First exception on ro...	Unread	4.39 KB

Filter Click here to filter the log list

# Exercise 13

Developer Console

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

CustomerTriggerTest.apxc CustomerTrigger.apxt Log executeAnonymous @24/02/2023, 00:34:26 Log executeAnonymous @24/02/2023, 00:35:22

Code Coverage: None API Version: 57 Run Test Go To

```
1  @isTest
2  public class CustomerTriggerTest{
3    public static testMethod void ex_13Test(){
4      Customer__c c13=new Customer__c();
5      c13.Active__c=true;
6      c13.Customer__c='0o62w000000XZTEAA4';
7      c13.Customer_Type__c='Premium';
8      insert c13;
9
10     Test.startTest();
11     c13.Active__c=true;
12     update c13;
13     Test.stopTest();
14
15     system.assertEquals(true,c13.Active__c);
16     system.assertEquals('Premium',c13.Customer_Type__c);
17
18   }
19
20 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total	Overall Code Coverage
✓	TestRun @ 12:41:39 am			0	1	Class
✓	TestRun @ 12:42:36 am			0	1	Percent
✓	TestRun @ 12:46:50 am			0	1	17%
✗	TestRun @ 12:32:49 am			1	1	CustomerTrigger
✗	TestRun @ 12:34:26 am			1	1	100% 10/10
✗	TestRun @ 12:35:22 am			1	1	DiscountClass
✗	TestRun @ 12:36:59 am			1	1	0% 0/5
✗	TestRun @ 12:39:11 am			1	1	DisqualifyTestLeads
						0% 0/8
						Excercise10
						0% 0/19
						Excercise6
						0% 0/4

# Exercise 14

Developer Console x +

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

**DisqualifyTestLeads.apxt**

Code Coverage: None API Version: 57 Go To

```
trigger DisqualifyTestLeads on Lead (before insert) {
    List<Lead> llist = new List<Lead>();
    for(Lead le:Trigger.new)
    {
        if(le.FirstName.containsIgnoreCase('test')|| string.isBlank(le.FirstName)
           || le.LastName.containsIgnoreCase('test')||string.isBlank(le.LastName))
        {
            system.debug(le.FirstName + ' ' + le.LastName + 'Will be disqualified!');
            llist.add(le);
        }
    }
    for(Lead l :llist){
        l.status='Disqualified';
    }
}
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:46:51	Success	Unread	12.13 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:42:37	Success	Unread	9.85 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:41:40	Success	Unread	11.53 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:40:45	Update failed. First exception on ro...	Unread	4.51 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:39:11	Update failed. First exception on ro...	Unread	4.49 KB
Deepak Yadav	Unknown	/services/data/v57.0/tooling/runTest...	24/02/2023, 00:37:00	Update failed. First exception on ro...	Unread	4.5 KB

Filter Click here to filter the log list

# Exercise 15

Developer Console +

wiprocom-7e0-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

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File Edit Debug Test Workspace Help < >

DisqualifyTestLeads.apxc DisqualifyTestLeadsTest.apxc

Code Coverage: None API Version: 57 Run Test Go To

```
1 @isTest
2 public class DisqualifyTestLeadsTest {
3     public static testMethod void ex_14Test()
4     {
5         Lead lead_ex_14=new Lead();
6         lead_ex_14.FirstName = 'Nyawi';
7         lead_ex_14.LastName = 'Test';
8         lead_ex_14.Company = 'Wipro';
9         lead_ex_14.Status ='Open - Not Contacted';
10
11
12         Test.startTest();
13         insert lead_ex_14;
14         Test.stopTest();
15
16         system.assertEquals('Wipro', lead_ex_14.Company);
17         system.assertEquals('Nyawi', lead_ex_14.FirstName);
18     }
19 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

Status	Test Run	Enqueued Time	Duration	Failures	Total	Overall Code Coverage
✓	TestRun @ 12:41:39 am			0	1	Class
✓	TestRun @ 12:42:36 am			0	1	Percent
✓	TestRun @ 12:46:50 am			0	1	8/8
✗	TestRun @ 12:32:49 am			1	1	Excercise10
✗	TestRun @ 12:34:26 am			1	1	0%
✗	TestRun @ 12:35:22 am			1	1	Excercise6
✗	TestRun @ 12:36:59 am			1	1	0%
✗	TestRun @ 12:39:11 am			1	1	Excercise7
						0%
						0/6
						NormalCustomer
						0%
						0/2
						PremiumCustomer
						0%
						0/2

# Exercise (16 & 17)

Developer Console

wiprocom-7e0-dev-ed-c.develop.vf.force.com/apex/OppView?core.apexpages.request.devconsole=1

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**Opportunity Details**

Opportunity Name	Amount
Close Date	Account Name

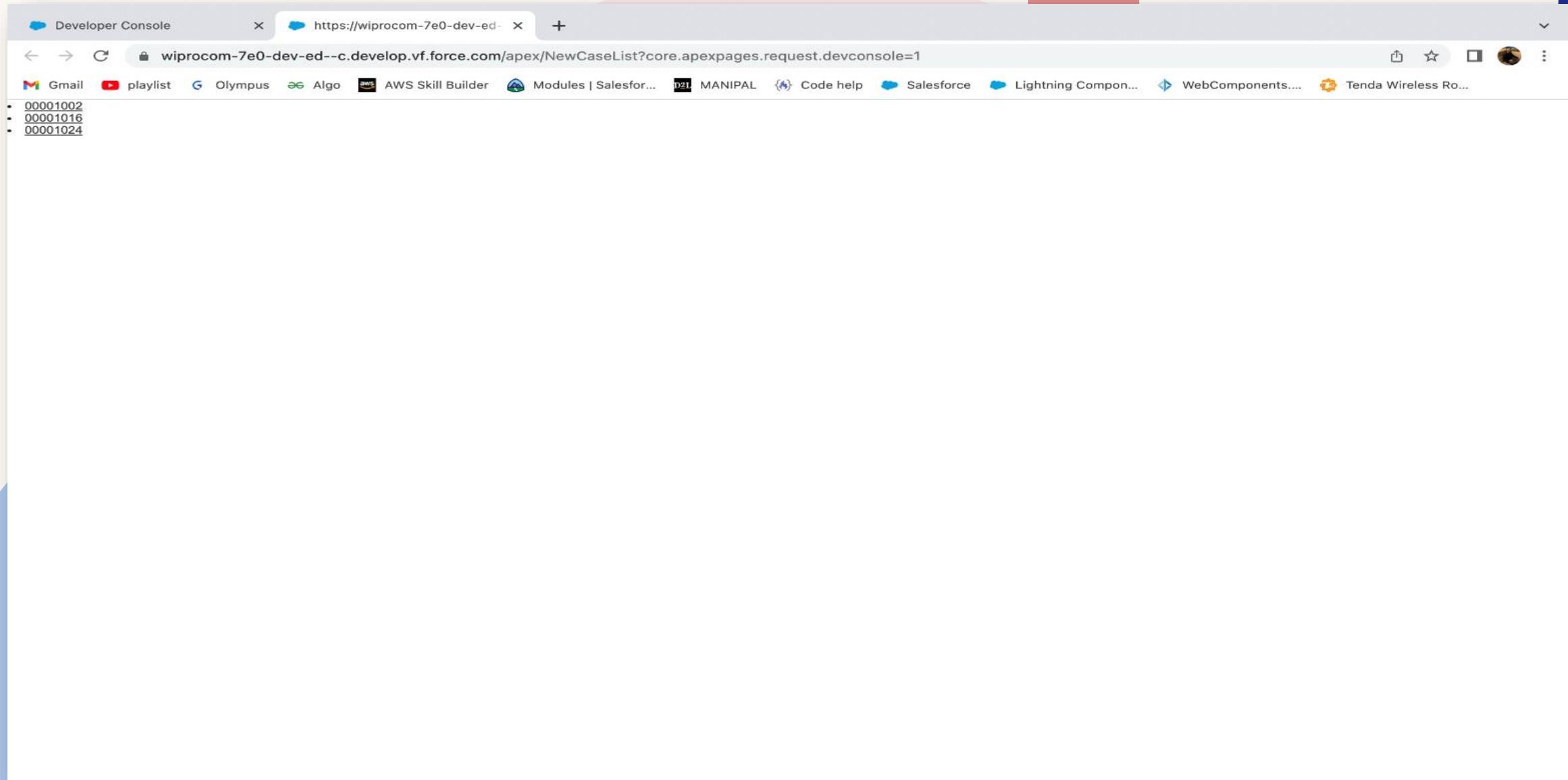
# Exercise 17

A screenshot of a web browser window titled "Developer Console". The address bar shows the URL <https://wiprocom-7e0-dev-ed-c.develop.vf.force.com/apex/AccountList?core.apexpages.request.devconsole=1>. The page content displays a list of account names, each preceded by a bullet point and underlined, indicating they are links:

- [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](#)

The browser interface includes standard navigation buttons (back, forward, search), a tab bar with multiple open tabs, and a toolbar with various icons and a user profile picture.

## Exercise 18



# **THANK YOU**

Deepak Yadav

[deepak.yadav53@wipro.com](mailto:deepak.yadav53@wipro.com)