



TRAVEL APPROVAL APP

Project

By- Vaibhav Kaushik



INTRODUCTION- TRAVEL APPROVAL APP

- Build and customize a Lightning app for Travel Approval.
- Build a Lightning App, tabs, and customize page layouts.
- Create custom objects and fields for the app.
- Define the validation rules.
- Import data and test the app.



Module-1

Travel App-

The screenshot shows a Salesforce Chatter feed for a "Travel App" community. The feed interface includes a navigation bar with links for Chatter, Reports, Dashboards, Departments, and Travel Approvals. On the left, a sidebar displays sections for "What I Follow", "To Me", "Bookmarked", "Company Highlights" (which is currently selected and highlighted in blue), and "My Drafts". Below these are sections for "STREAMS" and "RECENT GROUPS", both of which are currently empty.

The main feed area features a "Share an update..." input field and a "Share" button. It also includes a "Sort by:" dropdown set to "Top Posts" and a search bar labeled "Search this feed...". A post from user "TA-00001 – Vaibhav Kaushik" dated February 21, 2023, at 8:28 AM is displayed, asking for department association. A comment from "Eric Executive" follows, stating "Technology is the correct department." and including a "Like" button.

On the right side of the feed, there is a "Einstein Recommendations" sidebar featuring three user profiles: "Eric Executive" (Your manager), "Integration User" (Joined in the last month), and "Security User" (Joined in the last month). Each profile has a "+ Follow" and "Skip" button.

The browser address bar shows the URL: `resourceful-moose-kkjap6-dev-ed.trailblaze.lightning.force.com/lightning/page/chatter`. The browser toolbar includes standard icons for back, forward, search, and refresh, along with a tab count indicator of 16.

Create Field Dependencies

The screenshot shows the Salesforce Lightning Object Manager interface for the 'Department' object. The user is in the 'Fields & Relationships' section, specifically editing a field dependency. The 'Controlling Field' is set to 'Location' and the 'Dependent Field' is set to 'Department Type'. The 'Instructions' section provides guidance on using the grid to include or exclude values from the dependent picklist. The picklist grid displays two columns: 'Location' and 'Department Type'. The 'Location' column has rows for 'Kolkata', 'Banking', 'Finance', 'Education', 'Energy', and 'IT'. The 'Department Type' column has rows for 'Delhi', 'Banking', 'Finance', 'Education', 'Energy', and 'IT'. A legend indicates that yellow cells represent 'Included Value' and grey cells represent 'Excluded Value'. Buttons at the bottom of the grid allow users to 'Include Values' or 'Exclude Values'.

Controlling Field: Location
Dependent Field: Department Type

Instructions

- Double click on a cell to toggle its visibility for the Controlling Field value shown in the column heading.
- To change multiple cells at once, select multiple cells and then click the Include Values or Exclude Values button to change the visibility of all selected cells at once.
- Use SHIFT + click to select a range of adjacent cells. Use CTRL + click to select multiple cells that are not adjacent.
- Use the Preview button to test the results.

Legend –
Excluded Value
Included Value

Location:	Department Type:
Kolkata	Delhi
Banking	Banking
Finance	Finance
Education	Education
Energy	Energy
IT	IT

Import Departments using Data Import Wizard

Departments

All

16 items • Sorted by Department Name • Filtered by All departments • Updated a few seconds ago

	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
16	<input type="checkbox"/> Technology

Add Expense Items and Post using Chatter

The screenshot shows a Salesforce Lightning interface for a Travel Approval request (TA-00001). The main content area displays:

- Notes & Attachments (0)**: A section with an "Upload Files" button and a placeholder "Or drop files".
- Expense Items (2)**: A table with columns: Expense Item Number, Expense Type, and Amount.

Expense Item Number	Expense Type	Amount
E-00006	Airfare	₹450.00
E-00007	Hotel	₹870.00
- Approval History (2)**: A table with columns: Step Name, Date, Status, and Assigned To.

Step Name	Date	Status	Assigned To
Step 1	2/21/2023, 8:31 AM	Pending	Eric Executive
Approval Request Submitted	2/21/2023, 8:31 AM	Submitted	Vaibhav Kaushik

The right side features a Chatter sidebar for user Vaibhav Kaushik, showing:

- User profile and options: + Follow, Post, DISPLAY DENSITY (Comfy), OPTIONS (Switch to Salesforce Classic, Add Username).
- Recent activity: Vaibhav Kaushik posted 2m ago asking which department to associate the travel request.
- Comments: Eric Executive responded 2 minutes ago saying "Technology is the correct department." with a Like.
- A comment input field: Write a comment...

Travel Approval Record.

The screenshot shows a Salesforce Lightning interface for a Travel Approval record. The main content area displays the following details:

Field	Value
Travel Approval #	TA-00001
Status	Draft
Total Expenses	₹1,320.00
Status Indicator	(gear icon)
Trip Info	
Purpose of Trip	Attend Dreamforce
Trip Start Date	2/1/2023
Trip End Date	2/16/2023
Created By	Vaibhav Kaushik, 2/21/2023, 8:05 AM
Out-of-State	<input checked="" type="checkbox"/>
Destination State	CA
Last Modified By	Vaibhav Kaushik, 2/21/2023, 8:22 AM

The right side of the screen features a Chatter sidebar for the user Vaibhav Kaushik. The sidebar includes:

- User profile: Vaibhav Kaushik, resourceful-moose-kkjap6-dev-ed.trailblaze.lightning.force.com
- Follow button: + Follow
- Display Density: Comfy (selected), Compact
- Post section: Empty input field and search bar "Search this feed..."
- Activity feed:
 - Post from Vaibhav Kaushik: Just now (@Eric Executive: Which department should I associate this travel request with?)
 - 1 comment · 1 view
 - Like Comment
 - Post from Eric Executive: a few seconds ago (Technology is the correct department.)
 - Like
- Write a comment... input field

Add Eric Executive as Manager.

The screenshot shows the Salesforce Setup interface for managing users. The left sidebar is titled "Setup" and includes sections for Home, Object Manager, and various user-related settings like User Management Settings, User Interface, and Global Actions. The main content area is titled "Users" and contains several configuration sections: "Mailing Address" (Street, City, State/Province, Zip/Postal Code, Country), "Single Sign On Information" (Federation ID), "Locale Settings" (Time Zone set to "(GMT-09:00) Alaska Standard Time (America/Yakutat)", Locale set to "English (United States)", Language set to "English"), and "Approver Settings" (Delegated Approver, Manager set to "Eric Executive", and a dropdown for "Receive Approval Request Emails" set to "Only if I am an approver"). A right-hand sidebar displays the user profile of Vaibhav Kaushik, including their name, email, and options to switch to Salesforce Classic or add a username. The browser address bar shows the URL for the Manage Users page.



Module-2

Validation Rule on Travel Approval Object

The screenshot shows the Salesforce Lightning Experience interface. At the top, the URL is `resourceful-moose-kkjap6-dev-ed.trailblaze.lightning.force.com/lightning/setup/ObjectManager/01I2w000003G6fv/ValidationRules/03d2w0000006kbwAAA/view`. The browser tabs include Gmail, YouTube, Maps, My courses - AWS..., AWS Skill Builder, Wipro Learning Po..., AWS Certified Clo..., Mulesoft, and Manipal Morning... A notification badge for 16 items is visible.

The page title is **Travel Approval Validation Rule**, located under the **SETUP > OBJECT MANAGER** section. The left sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, and Object Limits. The main content area displays the **Validation Rule Detail** for the **Trip_end_date_after_start_date** rule. The rule is active 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 error location is set to "Trip End Date". The rule was created by Vaibhav Kaushik on 2/16/2023, 8:46 AM, and modified by the same user on the same date and time.

Create a flow using Flow Builder

The screenshot shows the Salesforce Flow Builder interface for a flow named "Out of State Travel Flag - V1".

Flow Details:

- Start:** Record-Triggered Flow
- Object:** Travel Approval
- Trigger:** A record is created or updated
- Optimize for:** Fast Field Updates

Flow Elements:

- Start:** A green rounded rectangle with a play button icon.
- Decision:** An orange diamond labeled "Decision Is Travel Out of State?".
- Update Records:** Two pink rounded rectangles, each labeled "Update Records" and "Update Travel Approval Record".

Flow Logic:

```
graph TD; Start((Start)) --> Decision{Decision  
Is Travel Out of State?}; Decision -- Yes Out of State --> Update1[Update Records]; Decision -- In State --> Update2[Update Records];
```

Toolbox:

- Elements:** Assignment, Decision, Loop, Collection Sort, Collection Filter.
- Data:** Update Records, Get Records.

Toolbar:

- Free-Form
- Version 1: Active—Last modified 5 days ago
- Run, Debug, View Tests, Deactivate, Save As, Save

Bottom Navigation:

- Get more on the AppExchange
- Buttons for Minimize, Maximize, Close, and New

Approval Request

The screenshot shows a Salesforce Lightning interface for a Travel Approval request. The URL in the browser is resourceful-moose-kkjap6-dev-ed.lightning.force.com/lightning/r/Travel_Approval__c/a012w000017bKcCAAU/view.

The page title is "Travel Approval" and the ID is "TA-00001". The top navigation bar includes links for Travel App, Chatter, Reports, Dashboards, Departments, and Travel Approvals.

The main content area displays:

- Notes & Attachments (0)**: A section with an "Upload Files" button and a placeholder "Or drop files".
- Expense Items (2)**: A table showing two items:

Expense Item Number	Expense Type	Amount
E-00006	Airfare	₹450.00
E-00007	Hotel	₹870.00
- Approval History (3)**: A table showing three steps:

Step Name	Date	Status	Assigned To
Travel Coordinator Approval	2/24/2023, 6:50 AM	Pending	Vaibhav Kaushik
Step 1	2/24/2023, 6:50 AM	Approved	Eric Executive
Approval Request Submitted	2/21/2023, 8:31 AM	Submitted	Vaibhav Kaushik

On the right side, there is a sidebar with filters, activity lists, and a "Upcoming & Overdue" section which is currently empty.

Add Travel Approval Records using Data Import Wizard

The screenshot shows a Salesforce Lightning interface for a "Travel App". The main page displays a list of "Travel Approvals" with 301 items. The columns include Department, Created By, Status, and Trip Start Date. A sidebar on the right shows a user profile for Vaibhav Kaushik and various display density options.

#	Department	Created By	Status	Trip Start Date
1	Audit Services	Vaibhav Kaushik	Rejected	8/9/2019
2	Audit Services	Vaibhav Kaushik	Approved	2/28/2019
3	Audit Services	Vaibhav Kaushik	Approved	4/30/2019
4	Audit Services	Vaibhav Kaushik	Approved	12/27/2019
5	Audit Services	Vaibhav Kaushik	Approved	9/21/2019
6	Audit Services	Vaibhav Kaushik	Approved	9/3/2019
7	Audit Services	Vaibhav Kaushik	Approved	3/20/2019
8	Audit Services	Vaibhav Kaushik	Approved	7/8/2019
9	Audit Services	Vaibhav Kaushik	Approved	8/7/2019
10	Audit Services	Vaibhav Kaushik	Approved	2/18/2019
11	Audit Services	Vaibhav Kaushik	Approved	11/4/2019
12	Audit Services	Vaibhav Kaushik	Rejected	5/31/2019
13	Audit Services	Vaibhav Kaushik	Approved	7/8/2019
14	Audit Services	Vaibhav Kaushik	Rejected	11/22/2019
15	Audit Services	Vaibhav Kaushik	Approved	4/15/2019
16	Audit Services	Vaibhav Kaushik	Rejected	4/7/2019
17	Contract Management	Vaibhav Kaushik	Approved	12/22/2019
18	Contract Management	Vaibhav Kaushik	Approved	5/8/2019

Bulk Data Load Job Detail

Job ID	7502w00000ONGvH	Job Type	Bulk V1	Status	Closed
Submitted By	Vaibhav Kaushik	Operation	Insert	Total Processing Time (ms)	842
Start Time	2/21/2023, 8:01 AM AKST	Queued Batches	0	API Active Processing Time (ms)	554
End Time	2/21/2023, 8:01 AM AKST	In Progress Batches	0	Apex Processing Time (ms)	91
Time to Complete (hh:mm:ss)	00:02	Completed Batches	1		
Object	Travel Approval	Failed Batches	0		
External ID Field		Progress	100%		
Content Type	CSV	Records Processed	300		
Concurrency Mode	Parallel	Records Failed	0		
API Version	57.0	Retries	0		

Batches

View Request	View Result	Batch ID	Start Time	End Time	Total Processing Time (ms)	API Active Processing Time (ms)	Apex Processing Time (ms)	Records Processed	Records Failed	Retry Count	State Message	Status
View Request	View Result	7512w00000U8faf	2/21/2023, 8:01 AM	2/21/2023, 8:01 AM	842	554	91	300	0	0	Completed	

Dashboard

The screenshot shows a Salesforce Lightning dashboard titled "Travel Requests Dashboard". The dashboard is dated "As of Feb 21, 2023, 8:32 AM - Viewing as Vaibhav Kaushik". It features two main charts: "Travel Requests by Department" and "Travel Requests by Month".

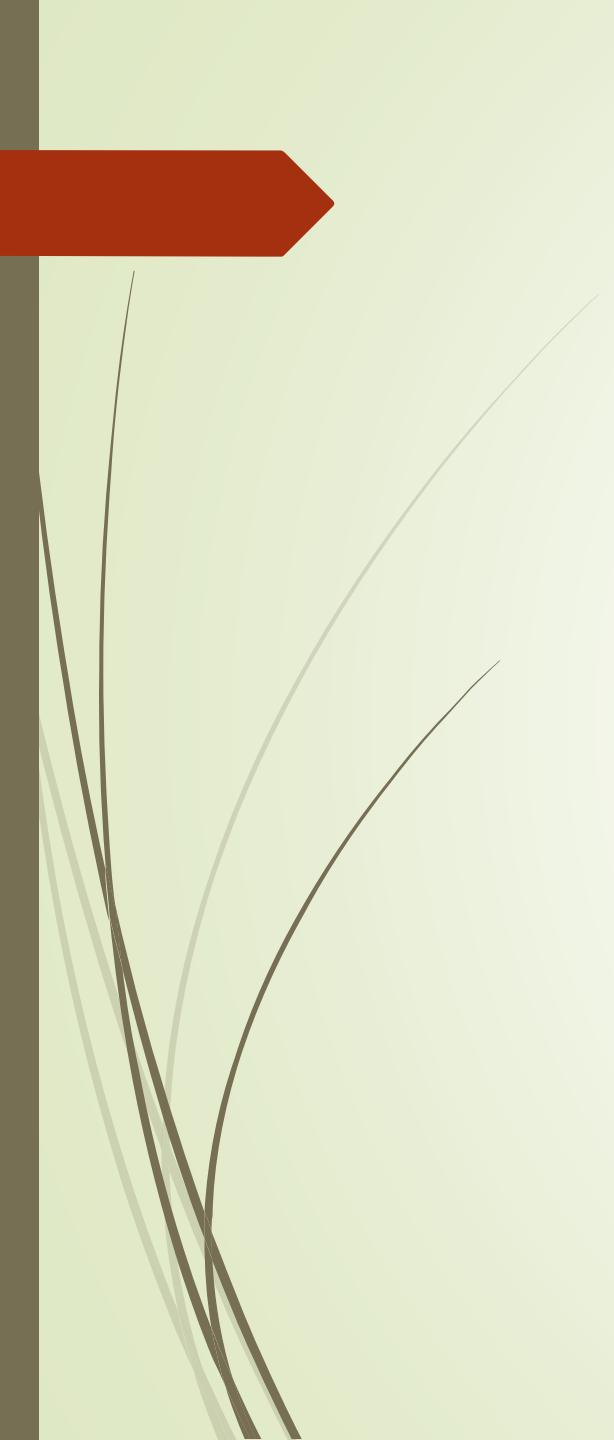
Travel Requests by Department:

Department	Record Count
Audit Services	16
Contract Management	20
Disability Determination B...	19
Division of Aging	20
Division of Disability and ...	21
Division of Family Resour...	18
Division of Finance	19
Division of Mental Health ...	17
Human Resources	18
Legislative Services	19
Office of Communication...	24
Office of Early Childhood ...	19

Travel Requests by Month:

Trip End Date > Out-of-State	Record Count
Jan... false	6
Jan... true	11
Feb... false	3
Feb... true	18
Mar... false	7
Mar... true	21
April... false	6
April... true	26
May... false	5
May... true	17
June... false	3
June... true	15
July... false	6
July... true	23
Aug... false	5

The dashboard also includes a sidebar for the user "Vaibhav Kaushik" with options for "DISPLAY DENSITY" (set to "Comfy"), "OPTIONS" (with links to "Switch to Salesforce Classic" and "Add Username"), and a "LOG OUT" button.



Module-3

Code Playground App

The screenshot shows a Salesforce Lightning App interface titled "Code Playground". The top navigation bar includes links for Leads, Accounts, Contacts, Opportunities, Cases, Customers, and Billings. The "Accounts" tab is currently selected. On the left, a sidebar displays "All Accounts" with a search bar above it. The main content area shows a table with 13 items, sorted by Account Name. The columns include Account Name, Account Site, Billing State/Province, Phone, and Type. The data is as follows:

	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	VKaus
6	Grand Hotels & Resorts Ltd		IL	(312) 596-1000	Customer - Direct	VKaus
7	Pyramid Construction Inc.			(014) 427-4427	Customer - Channel	VKaus
8	Sample Account for Entitlements					autoprocs
9	sForce	CA		(415) 901-7000		VKaus
10	United Oil & Gas Corp.	NY		(212) 842-5500	Customer - Direct	VKaus
11	United Oil & Gas, Singapore	Singapore		(650) 450-8810	Customer - Direct	VKaus
12	United Oil & Gas, UK	UK		+44 191 4956203	Customer - Direct	VKaus
13	University of Arizona	AZ		(520) 773-9050	Customer - Direct	VKaus

On the right side, there is a user profile for "Vaibhav Kaushik" with a blue icon, showing the URL "brave-panda-if0xv9-dev-ed.trailblaze.lightning.force.com". Below the profile are options for "DISPLAY DENSITY" (Compact or Comfy), "OPTIONS", and links to "Switch to Salesforce Classic" and "Add Username".

Exercise-1:

The screenshot shows the Salesforce Apex Debug tool interface. At the top, there's a navigation bar with links like Gmail, YouTube, Maps, AWS Skill Builder, Wipro Learning Po..., AWS Certified Clo..., Mulesoft, and Manipal Morning... Below the navigation bar is a toolbar with File, Edit, Debug, Test, Workspace, and Help buttons.

The main area is titled "Log executeAnonymous @23/02/2023, 17:12:10" and "Log executeAnonymous @23/02/2023, 17:13:15".

A central window titled "Enter Apex Code" contains the following Apex code:

```
1 String a='Vaibhav';
2 System.debug('String endswith: '+a.endsWith('v'));
3
4
```

Below the code editor are three buttons: Open Log, Execute, and Execute Highlighted.

The "Logs" tab is selected in the bottom navigation bar. The log table shows two entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:13:15	Success		2.32 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:12:10	Success		7.28 KB

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

Exercise-1.3

The screenshot shows the Salesforce Apex CS Page interface. At the top, there are several tabs: Log executeAnonymous @23/02/2023, 17:13:15, Log executeAnonymous @23/02/2023, 17:14:21, Log executeAnonymous @23/02/2023, 17:15:27, and Log executeAnonymous @23/02/2023, 17:16:37 (which is currently active). Below these tabs is the Execution Log table:

Timestamp	Event	Details
17:16:37:003	USER_DEBUG	[2]DEBUG String endsWith:true
17:16:37:003	USER_DEBUG	[6]DEBUG Todays date 2023-02-23 00:00:00
17:16:37:003	USER_DEBUG	[7]DEBUG Added 30 days 2023-03-25 00:00:00
17:16:37:003	USER_DEBUG	[11]DEBUG 30
17:16:37:003	USER_DEBUG	[15]DEBUG 7

In the center, there is an Enter Apex Code editor window displaying the following Apex code:

```
3 Date todaysDate=date.today();
4 Date add30Days=date.today().addDays(30);
5 System.debug('Todays date '+todaysDate);
6 System.debug('Added 30 days '+add30Days);
7
8 String s = '10';
9 integer num = integer.valueOf(s);
10 System.debug(num +20);
11
12 String name = 'Vaibhav';
13 Integer ln = name.length();
14 System.debug(ln);
15
16
```

At the bottom of the code editor, there are three buttons: Open Log, Execute, and Execute Highlighted. The Execute button is highlighted.

Below the code editor is a log table with the Logs tab selected. It shows the following log entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:16:37	Success	4.84 KB	
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:15:27	Success	4.23 KB	
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:14:21	Success	3.58 KB	
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:13:15	Success	2.32 KB	
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:12:10	Success	7.28 KB	

At the bottom of the page, there are two buttons: Filter and Click here to filter the log list.

Exercise-1.4

The screenshot shows the Salesforce Apex Dev Console interface. At the top, there's a navigation bar with links to Gmail, YouTube, Maps, and various courses. Below it is a toolbar with File, Edit, Debug, Test, Workspace, and Help buttons.

The main area has several tabs open in the header: Log executeAnonymous @23/02/2023, 17:16:37, Log executeAnonymous @23/02/2023, 17:18:08, Log executeAnonymous @23/02/2023, 17:19:55, and Log executeAnonymous @23/02/2023, 17:20:27. The last tab is currently active.

Execution Log: A table showing the execution log with columns for Timestamp, Event, and Details. The log entries are:

Timestamp	Event	Details
17:20:27:003	USER_DEBUG	[2]DEBUG String endsWith:true
17:20:27:003	USER_DEBUG	[6]DEBUG Todays date 2023-02-23 00:00:00
17:20:27:003	USER_DEBUG	[7]DEBUG Added 30 days 2023-03-25 00:00:00
17:20:27:003	USER_DEBUG	[11]DEBUG 30
17:20:27:003	USER_DEBUG	[15]DEBUG 7
17:20:27:004	USER_DEBUG	[24]DEBUG (2, 4, 6, 8, 10)
17:20:27:004	USER_DEBUG	[27]DEBUG 6
17:20:27:004	USER_DEBUG	[30]DEBUG (2, 20, 6, 8, 10)
17:20:27:004	USER_DEBUG	[33]DEBUG ()

Enter Apex Code: A code editor window containing the following Apex code:

```
17 List<Integer> x =new List<Integer>();
18     //add()
19 x.add(2);
20 x.add(4);
21 x.add(6);
22 x.add(8);
23 x.add(10);
24 System.debug(x);
25     //get()
26 Integer z = x.get(2);
27 System.debug(z);
28     //set()
29 x.set(1,20);
30 System.debug(x);
31     //clear()
32 x.clear();
33 System.debug(x);
```

Logs: A table showing logs with columns for User, Application, Operation, Time, Status, Read, and Size. One log entry is highlighted in blue:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:20:27	Success		7.14 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:19:55	Success		7.15 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:19:48	List index out of bounds: 6	Unread	6.79 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:18:08	Success		7.15 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:16:37	Success		4.84 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:15:27	Success		4.23 KB

Exercise-2:

The screenshot shows the Salesforce Apex Debug tool interface. At the top, the URL is `brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The tab bar shows "Log executeAnonymous @25/02/2023, 12:20:15" and "Log executeAnonymous @25/02/2023, 12:22:21".

The main area is titled "Execution Log" and displays a table of log entries:

Timestamp	Event	Details
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:0
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:1
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:2
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:3
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:4
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:5
12:22:21:004	USER_DEBUG	[11]DEBUG:value of x is:6
12:22:21:005	USER_DEBUG	[11]DEBUG:value of x is:7
12:22:21:005	USER_DEBUG	[11]DEBUG:value of x is:8
12:22:21:005	USER_DEBUG	[11]DEBUG:value of x is:9

A modal window titled "Enter Apex Code" contains the following Apex code:

```
1 Integer x=20;
2 while(x>12){
3     integer n=12;
4     x--;
5     if(x==12){
6         x=x-12;
7     }
8 }
integer i=x;
9 For(integer x=i;x<10;x=x+1){
10     system.debug('value of x is:' + x);
11 }
12 }
```

At the bottom of the modal are buttons: "Open Log", "Execute", and "Execute Highlighted".

Below the log table is a filter bar with checkboxes for "This Frame", "Executable", "Debug Only" (which is checked), and "Filter". It also includes a link "Click here to filter the log".

The bottom section is a table titled "Logs" showing two entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	25/02/2023, 12:22:21	Success		9.52 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	25/02/2023, 12:20:15	Success		9.55 KB

At the very bottom are links "Filter" and "Click here to filter the log list".

Exercise-3:

The screenshot shows a browser window for the Salesforce Trailhead exercise environment. The URL is `brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The page title is "Log executeAnonymous @23/02/2023, 17:27:44".

The main area displays the "Execution Log" with the following entries:

Timestamp	Event	Details
17:29:45:003	USER_DEBUG	[3]DEBUG Ans:false

A modal window titled "Enter Apex Code" contains the following Apex code:

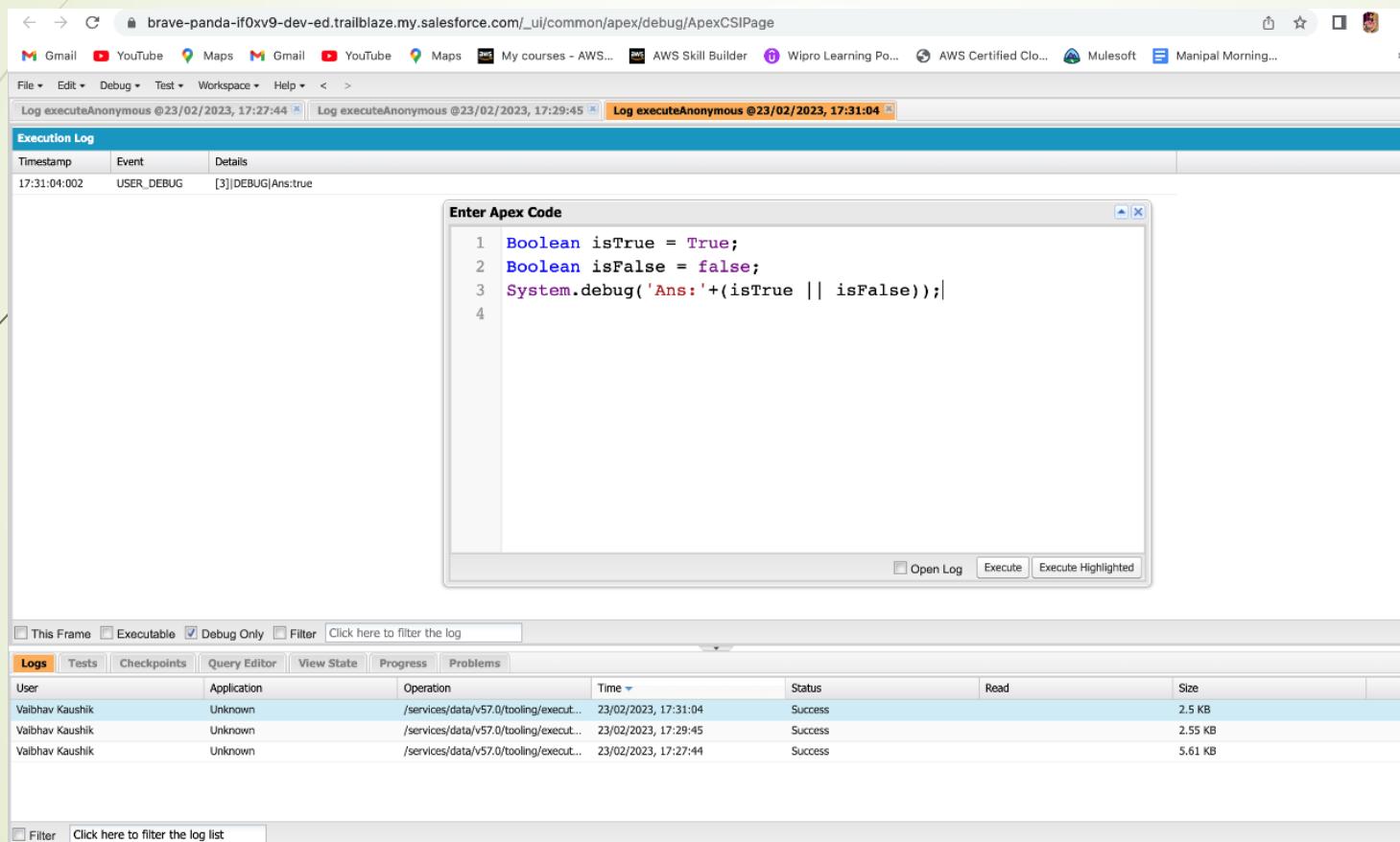
```
1 Integer myluckyNumber = 15;
2 Integer myunluckyNumber = 7;
3 System.debug('Ans:' + (myluckyNumber != myunluckyNumber+8));
```

Below the modal are three buttons: "Open Log", "Execute", and "Execute Highlighted".

The bottom section of the page shows the log table with two entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:29:45	Success		2.55 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:27:44	Success		5.61 KB

Exercise-4:



The screenshot shows the Salesforce Apex Debug tool interface. In the center, there is a modal window titled "Enter Apex Code" containing the following code:

```
1 Boolean.isTrue = True;
2 Boolean.isFalse = false;
3 System.debug('Ans:' + (isTrue || isFalse));
```

Below the code editor, there are three buttons: "Open Log", "Execute", and "Execute Highlighted".

At the bottom of the main window, there is a toolbar with several checkboxes and buttons. The "Logs" tab is selected, and the "Debug Only" checkbox is checked.

The log table below the toolbar shows the following entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:31:04	Success		2.5 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:29:45	Success		2.55 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:27:44	Success		5.61 KB

Exercise-5:

The screenshot shows the Salesforce Apex Dev Console interface. At the top, there are several tabs: Log executeAnonymous @23/02/2023, 17:27:44, Log executeAnonymous @23/02/2023, 17:29:45, Log executeAnonymous @23/02/2023, 17:31:04, and Log executeAnonymous @23/02/2023, 17:32:44. The last tab is currently active.

The main area displays an "Enter Apex Code" window containing the following code:

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

Below the code editor, there are three buttons: Open Log, Execute, and Execute Highlighted. The "Execute" button is highlighted.

At the bottom of the page, there is a table titled "Logs" showing the following log entries:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:32:44	Success		2.62 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:31:04	Success		2.5 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:29:45	Success		2.55 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 17:27:44	Success		5.61 KB

Exercise-6:

The screenshot shows the Salesforce IDE interface. At the top, there's a navigation bar with links like Gmail, YouTube, Maps, AWS Skill Builder, Wipro Learning Po..., AWS Certified Clo..., Mulesoft, and Manipal Morning... Below the navigation bar is a toolbar with File, Edit, Debug, Test, Workspace, and Help buttons.

The main area displays a log titled "Log executeAnonymous @23/02/2023, 17:41:08". The log table has columns for Timestamp, Event, and Details. A single entry is shown: "17:41:08:002 USER_DEBUG [7]DEBUG|Grade:B".

A modal window titled "Enter Apex Code" is open in the center. It contains the following Apex code:

```
1 Integer score = 75;
2 if(score==100) {
3     System.debug ('Grade:A+');
4 }else if(score>=80){
5     System.debug ('Grade:A');
6 }else if(score>=70){
7     System.debug ('Grade:B');
8 }else{
9     System.debug('Grade:Failed');
10 }
```

At the bottom of the modal are three buttons: Open Log, Execute, and Execute Highlighted. The "Execute" button is highlighted.

Below the modal, there's a filter bar with checkboxes for "This Frame", "Executable", "Debug Only", and "Filter", followed by a "Click here to filter the log" link. There's also a dropdown menu labeled "Logs" with other tabs like Tests, Checkpoints, Query Editor, View State, Progress, and Problems.

The bottom section shows a table with columns: User, Application, Operation, Time, Status, Read, and Size. One row is visible: "Vaibhav Kaushik" (User), "Unknown" (Application), "/services/data/v57.0/tooling/execut..." (Operation), "23/02/2023, 17:41:08" (Time), "Success" (Status), and "2.48 KB" (Size).

Exercise-7:

The screenshot shows the Salesforce Apex code editor with the file `Billing.apxc` open. The code defines a class `Billing` with a static method `viewBills`. This method queries `Billing__c` records and filters them by status ('Paid'). It then prints the names of these records to the log. Below the code editor is a table showing logs from the tooling API.

```
1 public class Billing {
2     public static void viewBills(){
3         List<Billing__c> BillsList= [SELECT Id, Name, Status__c FROM Billing__c];
4         List<string> billRecords= new list<string>();
5         for (Billing__c bill : BillsList){
6             System.debug('Current Record value on which loop is iterating: '+ BillsList);
7             if(bill.status__c == 'Paid'){
8                 billRecords.add(bill.Name);
9             }
10        }
11        system.debug('Billing Records are:' + billRecords);
12    }
13 }
```

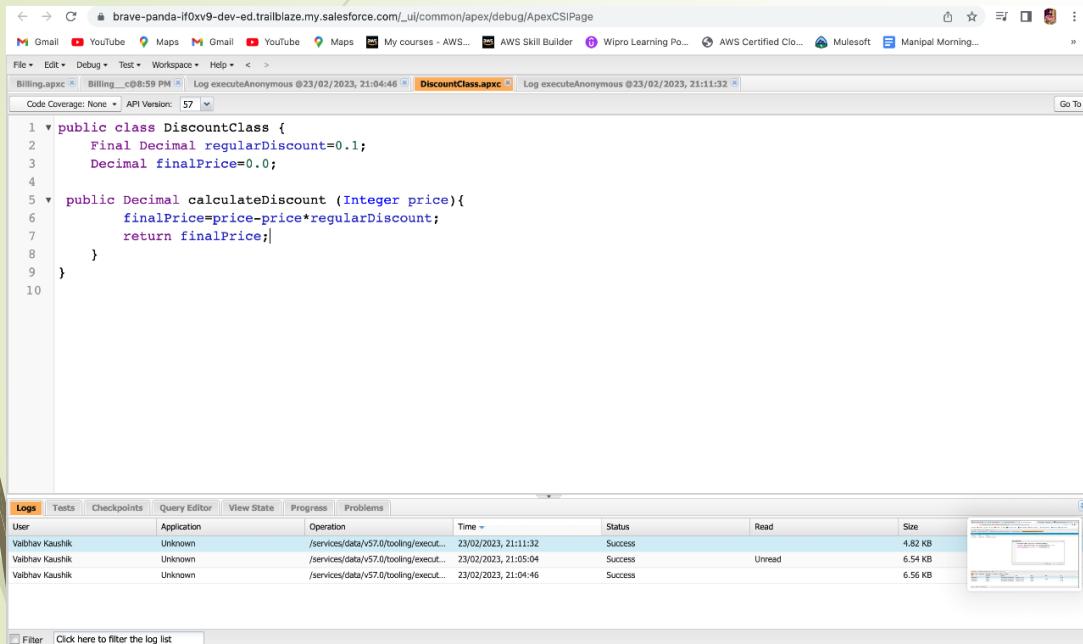
User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:05:04	Success	Unread	6.54 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:04:46	Success		6.56 KB

The screenshot shows the Salesforce Apex code editor with the file `Billing.apxc` open. The code is identical to the one in the first screenshot. The execution log shows four debug statements where each statement prints the current record being iterated over. Below the code editor is a table showing logs from the tooling API.

```
1 Billing.viewBills();
```

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:05:04	Success	Unread	6.54 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:04:46	Success		6.56 KB

Exercise-8:

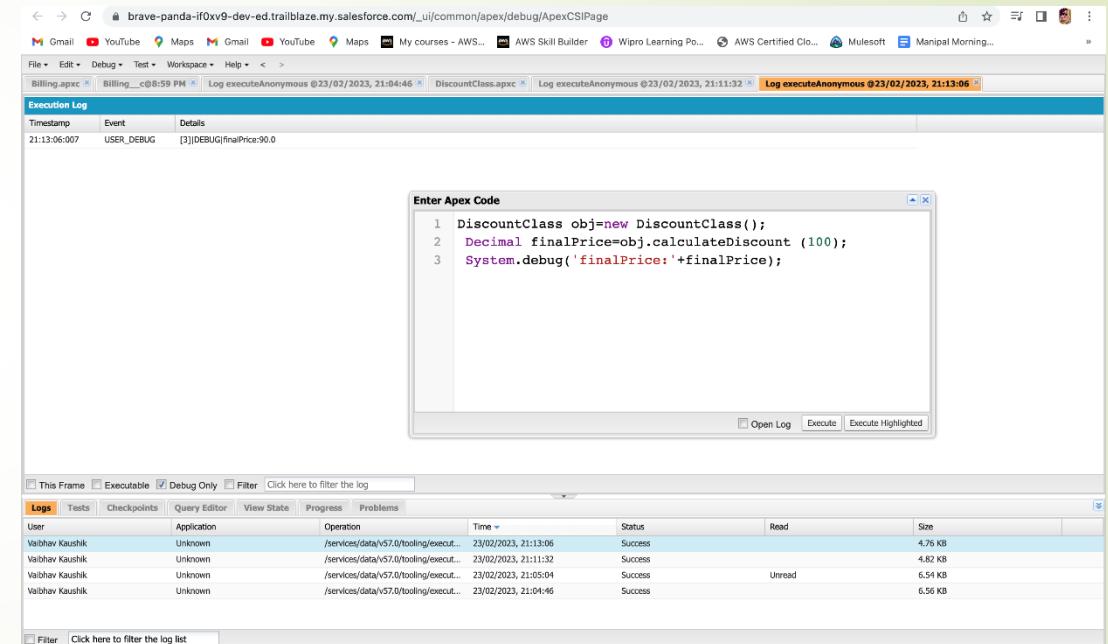


```
1 public class DiscountClass {
2     final Decimal regularDiscount=0.1;
3     Decimal finalPrice=0.0;
4
5     public Decimal calculateDiscount (Integer price){
6         finalPrice=price-price*regularDiscount;
7         return finalPrice;
8     }
9 }
10
```

Logs

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:11:32	Success		4.82 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:05:04	Success	Unread	6.54 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:04:46	Success		6.56 KB

Filter Click here to filter the log list



Execution Log

Timestamp	Event	Details
21:13:06:007	USER_DEBUG	[3]DEBUG:finalPrice:90.0

Enter Apex Code

```
1 DiscountClass obj=new DiscountClass();
2 Decimal finalPrice=obj.calculateDiscount (100);
3 System.debug('finalPrice:'+finalPrice);
```

Logs

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:13:06	Success		4.76 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:11:32	Success		4.82 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:05:04	Success	Unread	6.54 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:04:46	Success		6.56 KB

Filter Click here to filter the log list

Exercise-9:

The screenshot shows the Salesforce IDE interface. At the top, there are tabs for 'InterfaceExample.apxc' and 'PremiumCustomer.apxc'. Below the tabs, the code for 'InterfaceExample.apxc' is displayed:

```
1 public Interface InterfaceExample {  
2     Double percentageDiscountToBeApplied();  
3 }
```

A modal window titled 'Enter Apex Code' contains the following Apex code:

```
1 PremiumCustomer obj1=new PremiumCustomer();  
2 Double discount=obj1.percentageDiscountToBeApplied();  
3 System.debug('Calling the interface method in PremiumCustomer');  
4 System.debug('Discount in percentage: '+discount*100)+'%'  
5 NormalCustomer obj2=new normalCustomer();  
6 discount=obj2.percentageDiscountToBeApplied();  
7 System.debug('Calling the interface method in PremiumCustomer');  
8 System.debug('Discount in percentage: '+discount*100)+'%'
```

At the bottom of the modal are buttons for 'Open Log', 'Execute', and 'Execute Highlighted'.

Below the code editor, there is a log table:

User	Application	Operation	Time	Status	Read	Size
Vaihav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:50:03	Success		6.96 KB

The screenshot shows the Salesforce IDE interface. At the top, there are tabs for 'InterfaceExample.apxc' and 'PremiumCustomer.apxc'. Below the tabs, the code for 'normalCustomer.apxc' is displayed:

```
1 public class normalCustomer implements InterfaceExample{  
2     public Double percentageDiscountToBeApplied(){  
3         return 0.10;  
4     }  
5 }
```

A modal window titled 'Enter Apex Code' contains the following Apex code:

```
1 PremiumCustomer obj1=new PremiumCustomer();  
2 Double discount=obj1.percentageDiscountToBeApplied();  
3 System.debug('Calling the interface method in PremiumCustomer');  
4 System.debug('Discount in percentage: '+discount*100)+'%'  
5 NormalCustomer obj2=new normalCustomer();  
6 discount=obj2.percentageDiscountToBeApplied();  
7 System.debug('Calling the interface method in PremiumCustomer');  
8 System.debug('Discount in percentage: '+discount*100)+'%'
```

At the bottom of the modal are buttons for 'Open Log', 'Execute', and 'Execute Highlighted'.

Below the code editor, there is a log table:

User	Application	Operation	Time	Status	Read	Size
Vaihav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:50:03	Success		6.96 KB

The screenshot shows the Salesforce IDE interface. At the top, there are tabs for 'InterfaceExample.apxc' and 'PremiumCustomer.apxc'. Below the tabs, the code for 'PremiumCustomer.apxc' is displayed:

```
1 public class PremiumCustomer implements InterfaceExample{  
2     public Double percentageDiscountToBeApplied(){  
3         return 0.30;  
4     }  
5 }
```

A modal window titled 'Enter Apex Code' contains the following Apex code:

```
1 PremiumCustomer obj1=new PremiumCustomer();  
2 Double discount=obj1.percentageDiscountToBeApplied();  
3 System.debug('Calling the interface method in PremiumCustomer');  
4 System.debug('Discount in percentage: '+discount*100)+'%'  
5 NormalCustomer obj2=new normalCustomer();  
6 discount=obj2.percentageDiscountToBeApplied();  
7 System.debug('Calling the interface method in PremiumCustomer');  
8 System.debug('Discount in percentage: '+discount*100)+'%'
```

At the bottom of the modal are buttons for 'Open Log', 'Execute', and 'Execute Highlighted'.

Below the code editor, there is a log table:

User	Application	Operation	Time	Status	Read	Size
Vaihav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:50:03	Success		6.96 KB

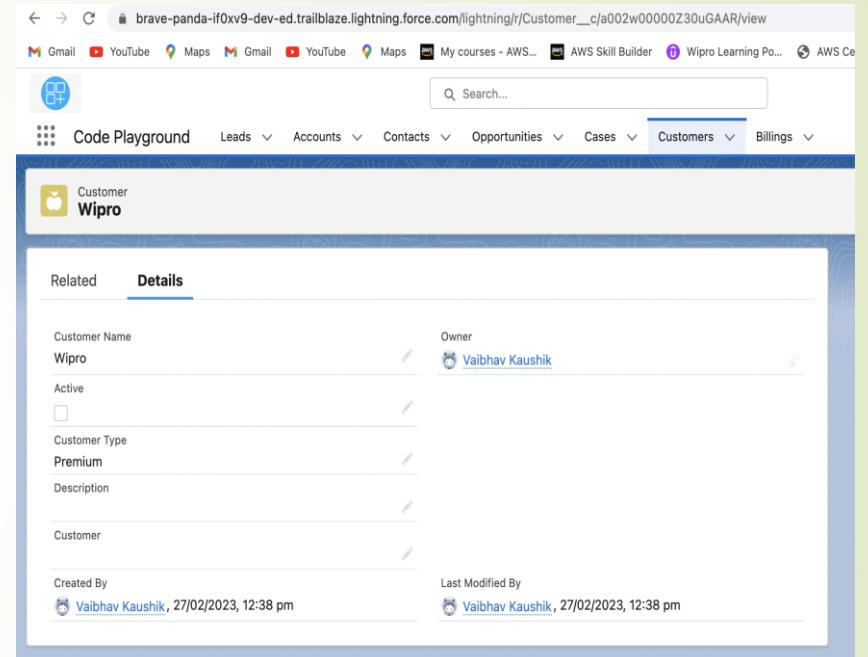
Exercise-10:

The screenshot shows the Salesforce Apex CS Page. The top navigation bar includes links for Gmail, YouTube, Maps, My courses - AWS..., AWS Skill Builder, Wipro Learning Po..., AWS Certified Clo..., Mulesoft, and Manipal Morning... The main area has tabs for Execution Log, Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Execution Log tab is active, showing a timestamp of 12:38:24 and an event of USER_DEBUG with message [22] DEBUG|Successfully inserted Billing Record Billing Id : a012w000018BVTkAA0. Below this is an 'Enter Apex Code' window containing the following Apex code:

```
Customer__c cr =new Customer__c();
cr.Name='Wipro';
cr.Customer_Type__c='Premium';

insert cr;
List<Billing__c> BillingList =new List<Billing__c>();
Billing__c Br =new Billing__c();
Br.Status__c = 'Paid';
Br.Amount_Paid__c = 5000000;
Br.Id = cr.CreatedById;
BillingList.add(Br);
Database.SaveResult[] srList = Database.insert(BillingList, false);
Integer i=0;
for (Database.SaveResult sr : srList) {
    if (!sr.isSuccess()) {
        for(Database.Error err : sr.getErrors()) {
            System.debug('Following Error Found ');
        }
    }
}
```

The Logs tab at the bottom shows a single entry from Vaibhav Kaushik with an Unknown application, operation /services/data/v57.0/tooling/execut..., time 27/02/2023, 12:38:24, status Success, and size 10.05 KB.



Exercise-11:



brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

Gmail YouTube Maps Gmail YouTube Maps My courses - AWS... AWS Skill Builder Wipro Learning Po... AWS Certified Clo... Mulesoft Manipal Morning...

File Edit Debug Test Workspace Help < >

Account@10:35 PM

```
select Industry, Website, (Select id, Amount, StageName from Opportunities)from Account where (Industry ='Energy' AND AnnualRevenue > 5000)
```

Query Results - Total Rows: 1

Industry	Website	Opportunities
Energy	http://www.uos.com	[{"Id":"0062w00000KAV1aAAP","Amount":125000,"StageName":"Negotiation/Review"}, {"Id":"0062w00000KAV1eAAP","Amount":270000,"StageName":"Proposal/Price Quo...

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 Industry,Website,(Select id,Amount,StageName from Opportunities)from Account where (Industry ='Energy' AND AnnualRevenue > 5000)
```

Unknown error parsing query

History

Executed

```
SELECT Id, Name, Status__c FROM Billing__c
```

select Industry,Website,(Select id,Amount,StageName from Opportu...

Execute Use Tooling API

Exercise-12

```
trigger CustomerTrigger on Customer__c (after insert, after update) {
    List<Billing__c> BillingList = new List<Billing__c>();
    for (Customer__c objCustomer: Trigger.new)
    {
        if (objCustomer.Active__c == False)
        {
            Billing__c objbilling = new Billing__c();
            objbilling.Status__c = 'Paid';
            objbilling.Amount_Paid__c=1000000;
            BillingList.add(objbilling);
        }
    }
    insert Billinglist;
}
```

Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems
User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/runTes...	23/02/2023, 22:44:26	Success		11.28 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 22:31:37	Success		5.62 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 22:27:06	Success		2.68 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 22:10:07	Success		2.71 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 22:03:46	Success		2.71 KB
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/execut...	23/02/2023, 21:59:39	Insert failed. First exception on row... Unread		3.21 KB

Exercise-13:



A screenshot of a Salesforce Apex code editor window. The URL in the address bar is `brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The tab bar shows `CustomerTriggerTestClass.apxc` and `CustomerTrigger.apxt`, with `CustomerTrigger.apxt` being the active tab. The code editor displays the following Apex trigger:

```
1 trigger CustomerTrigger on Customer__c (after insert, after update) {
2     List<Billing__c> BillingList = new List<Billing__c>();
3     for (Customer__c objCustomer: Trigger.new)
4     {
5         if (objCustomer.Active__c == True)
6         {
7             Billing__c objbilling = new Billing__c();
8             objbilling.Status__c = 'Paid';
9             objbilling.Amount_Paid__c=1000000;
10            BillingList.add(objbilling);
11        }
12    }
13    insert Billinglist;
14 }
```

The code editor interface includes a toolbar with File, Edit, Debug, Test, Workspace, Help, and navigation buttons. Below the toolbar are dropdown menus for Code Coverage (None) and API Version (57). A "Go To" button is located in the top right corner. At the bottom of the code editor, there is a navigation bar with tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems, with the Logs tab currently selected. A table below the navigation bar shows logs for a recent run:

User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/runTest...	28/02/2023, 15:32:27	Success	Unread	11.3 KB

Exercise-14



A screenshot of a Salesforce Apex code editor. The URL in the browser is `brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The page title is "CustomerTriggerTestClass.apxc". The code editor shows the following Apex test class:

```
1  @isTest
2  public class CustomerTriggerTestClass {
3      @isTest static void testName() {
4          Customer__c cust=new Customer__c();
5          cust.Active__c=True;
6          insert cust;
7
8          Test.startTest();
9          cust.Active__c=True;
10         update cust;
11         Test.stopTest();
12     }
13 }
```

The code editor interface includes tabs for "CustomerTriggerTestClass.apxc" and "CustomerTrigger.apxt". It also shows "Code Coverage: None" and "API Version: 57". Buttons for "Run Test" and "Go To" are visible. Below the code editor is a log table:

Logs	Tests	Checkpoints	Query Editor	View State	Progress	Problems
User	Application	Operation	Time	Status	Read	Size
Vaibhav Kaushik	Unknown	/services/data/v57.0/tooling/runTest...	28/02/2023, 15:32:27	Success	Unread	11.3 KB

Exercise-15

```
1 @isTest
2 public class DisqualifyTestLeads {
3     @isTest static void a()
4     {
5         Lead le=new Lead();
6         le.FirstName = 'Role';
7         le.LastName = 'Test';
8         le.Company = 'Wipro';
9         le.Status = 'Open- Not Contacted';
10
11     Test.startTest();
12     insert le;
13     Test.stopTest();
14 }
15 }
```

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	TestRun @ 10:44:25 pm			0	1
✓	CustomerTriggerTestClass			0	1
✓	TestRun @ 10:52:27 pm			0	1
✓	TestRun @ 10:57:02 pm			0	1
✗	TestRun @ 10:58:52 pm			0	1
✓	TestRun @ 11:00:16 pm			0	1
✓	DisqualifyTestLeads			0	1

Status	Test Run	Enqueued Time	Duration	Failures	Total
✓	TestRun @ 10:44:25 pm			0	1
✓	CustomerTriggerTestClass			0	1
✓	TestRun @ 10:52:27 pm			0	1
✓	TestRun @ 10:57:02 pm			0	1
✗	TestRun @ 10:58:52 pm			0	1
✓	TestRun @ 11:00:16 pm			0	1
✓	DisqualifyTestLeads			0	1

Exercise-16

The screenshot shows a Salesforce developer console interface. At the top, the URL is `brave-panda-if0xv9-dev-ed.trailblaze.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. Below the URL is a toolbar with various links like Gmail, YouTube, Maps, and AWS Skill Builder. The main area displays the Apex code for an Opportunity Details page:

```
1 <apex:page standardController="Opportunity">
2   <apex:pageBlock title="Opportunity Details">
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
9     </apex:pageBlockSection>
10   </apex:pageBlock>
11 </apex:page>
```

Below the code, there is a table titled "Logs" showing a single entry:

User	Application	Operation	Time	Status	Read	Size
Valbhav Kushik	Browser	/apex/OppView	23/02/2023, 23:04:00	Success		1.18 KB

At the bottom, the browser window shows the resulting "Opportunity Details" page with fields for Opportunity Name, Amount, Close Date, and Account Name.

Exercise-17

The screenshot shows the Salesforce Trailblaze developer console interface. At the top, there are two tabs: "OppView.vfp" and "AccountList.vfp". The "AccountList.vfp" tab is active, showing the following Apex Visualforce code:

```
1 <apex:page standardController="Account" recordSetVar="Accounts">
2   <apex:pageBlock>
3     <apex:repeat var="a" value="{!Accounts}" rendered="true" id="account_list">
4       <li>
5         <apex:outputLink value="/{!a.ID}">
6           <apex:outputText value="{!a.Name}" />
7         </apex:outputLink>
8
9       </li>
10      </apex:repeat>
11    </apex:pageBlock>
12  </apex:page>
```

Below the code editor, there is a "Logs" tab which displays the following log entry:

User	Application	Operation	Time	Status	Read	Size
Valbhav Kaushik	Browser	/apex/AccountList	23/02/2023, 23:05:37	Success	Unread	1.19 KB

At the bottom of the screen, the browser address bar shows the URL: "brave-panda-if0xv9-dev-ed--c.trailblaze.vf.force.com/apex/AccountList?core.apexpages.request.devconsole=1". The main content area displays a list of account names, each preceded by a blue link:

- [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

The screenshot displays the Salesforce Dev Console interface, showing two code editors and their corresponding browser outputs.

Left Editor (Visualforce Page):

```
1 <apex:page controller="NewCaseListController">
2   <apex:repeat value="{!NewCases}" var="case">
3     <li><apex:outputLink value="/{!case.id}" target="_new"> {!case.CaseNumber}</apex:outputLink></li>
4   </apex:repeat>
5 </apex:page>
6
7
```

Right Editor (Apex Controller):

```
1 public class NewCaseListController {
2   public List<case> getNewCases(){
3     List<case>results =Database.query('SELECT ID, CaseNumber from Case where Status = \'New\'');
4     return results;
5   }
6
7 }
```

Logs Tab:

User	Application	Operation	Time	Status	Read	Size
Valbhav Kaushik	Browser	/apex/NewCaseList	23/02/2023, 23:09:29	Success	Unread	3.25 KB

Browser Output:

brave-panda-if0xv9-dev-ed--c.trailblaze.vf.force.com/apex/NewCaseList?core.apexpages.request.devconsole=1

00001002
00001016
00001024