

Capstone Project Report On "Travel Approval App"

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Abstract

Every travel organization requires a Travel Approval Application. This department deals with the approval of travel requests. It also allows for prime levels of control and oversight over travel bookings, policy and budget. The approval process is usually often lengthy and requires a lot of paperwork. It requires so much of time and work hard to complete it. To eradicate human errors and achieve perfect data and procedures, the use of software is considered a smart choice.

Therefore, with the help of Customer Relation Management (CRM) software services provided by Salesforce, we are making a travel approval application. It starts with building a data model where the objects and fields come into picture followed by customizing the user interface where we Use list views and page layouts to streamline an app user's experience.

Every application generally needs a business logic so in this it is achieved by validation rules, formula fields and approval process. Finally, to analyze travel approvals we add reports and dashboards. This application will help them in keeping track of the complete travel approval process.

Introduction

In today's fast-paced business environment, sales teams often need to travel frequently to meet with clients, attend conferences, and conduct business. However, managing travel requests and approvals can be a time-consuming and error-prone process, particularly when done manually. To address this challenge, many organizations are turning to technology solutions such as the Travel Approval App for Salesforce

This app is a powerful tool that allows sales teams to easily submit and manage travel requests directly within the Salesforce platform. By automating the travel approval process, the app saves time and reduces the risk of errors and delays. It also provides sales managers with real-time visibility into their teams' travel plans, enabling them to make informed decisions about resource allocation and budgeting.



In this report, we will provide an overview of the Travel Approval App for Salesforce, including its features, benefits, and potential use cases. We will also explore how this app can help organizations improve their travel management processes, increase efficiency, and reduce costs. Finally, we will discuss best practices for implementing and using the app effectively.

Flow of the Project

The flow of the Travel Approval App for Salesforce typically involves several steps, which are as follows:

Travel Request Submission: Sales representatives submit travel requests using the Travel Approval App within the Salesforce platform. The request includes details such as travel dates, destinations, budgets, and purpose.

Automated Routing of Requests: The app automatically routes the travel request to the appropriate approvers based on predefined rules and workflows. This ensures that requests are reviewed by the right people, in the right order

Review and Approval: Approvers receive notifications when a travel request requires their approval. They can review the request details and approve or reject it within the app.

Notification and Feedback: Sales representatives are notified of the approval or rejection of their travel request. If rejected, the app may allow the representative to revise and resubmit the request.

Real-Time Reporting: The app provides real-time visibility into travel requests and approvals, allowing sales managers to monitor travel spend and make informed decisions about their teams' travel plans.

Overall, the Travel Approval App for Salesforce automates and streamlines the travel request and approval process, providing a seamless experience for sales representatives and managers while ensuring compliance and cost-effectiveness.

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:

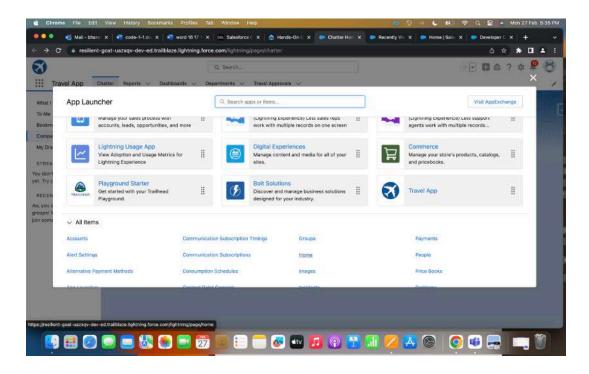
- An Octane 2.0 score of 20,000 or greater
- Network latency of 200 ms or less
- Download speed of 1 Mbps or greater
- At least 5 GB of RAM, with 2 GB available for Salesforce browser tabs

OR

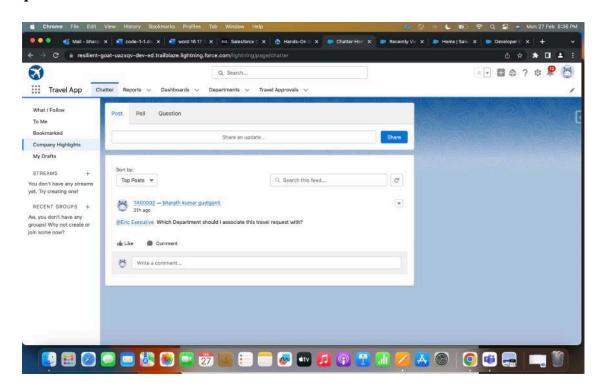
Requirements		
Windows		
Operating system	Windows 8.1 64-bit, Windows 8 64-bit, Windows 7 Service Pack 1 64-bit, Windows Vista Service Pack 2 64-bit	
СРИ	Core 2 Quad Q6600 at 2.4 GHz or AMD Phenom 9850 at 2.5 GHz	
Memory	4 GB <u>RAM</u>	
Free space	65 GB of free space	
Graphics hardware	DirectX 10-compatible GPU: GeForce 9800GT 1GB or ATI Radeon HD 4870 1GB	
Sound hardware	DirectX 10 compatible sound card	

Module-1 Screenshots

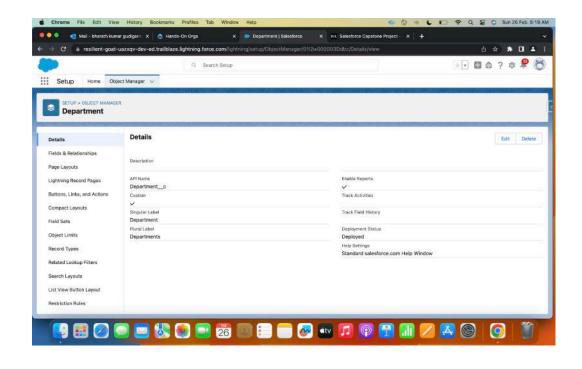
Travel App:-



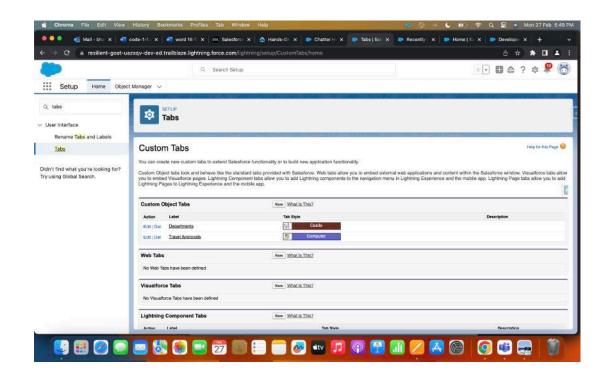
Exercise -1 Step-1



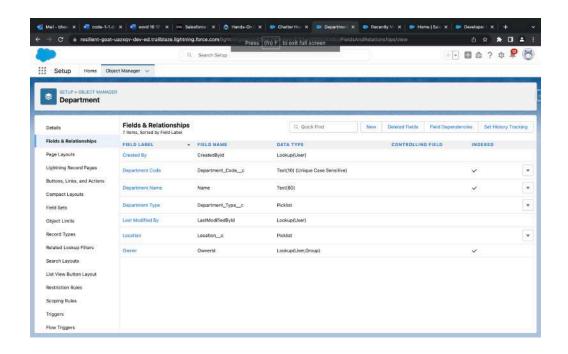
Step-2
Created Department custom object



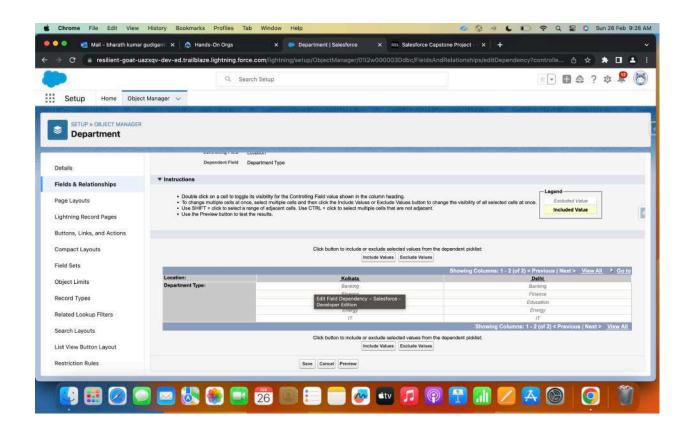
Created new custom object tab



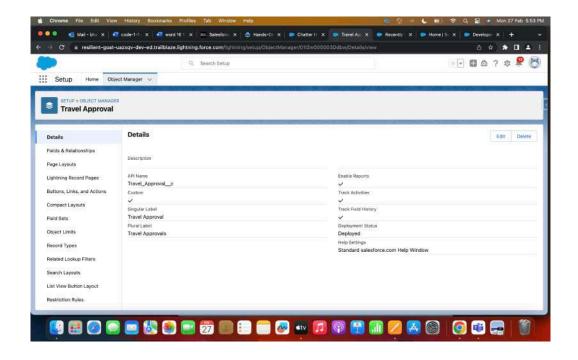
Step-3 Created all the required fields



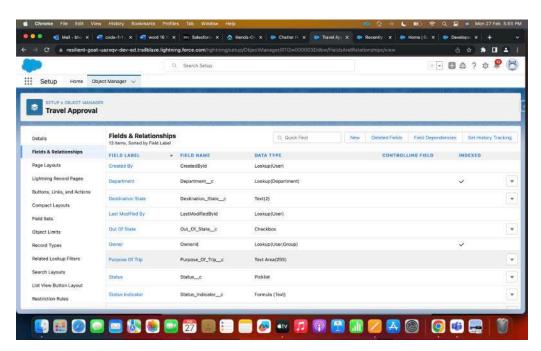
Created Field Dependency



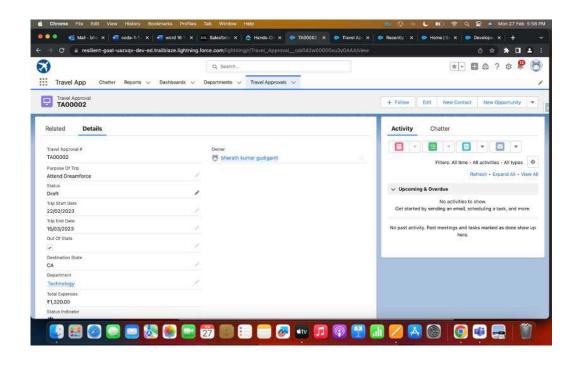
Step-4 Created the required Travel Approval Object



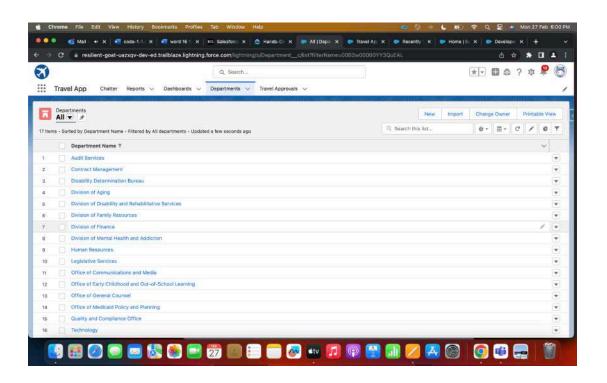
Created the required fields



After testing the app



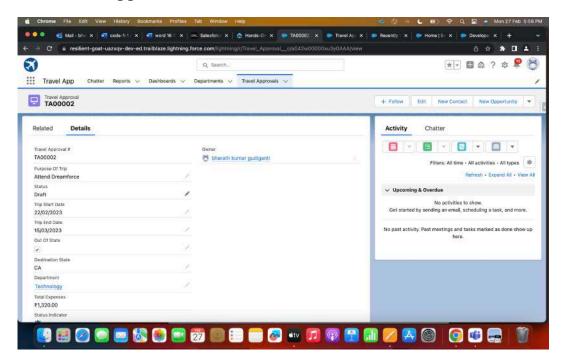
Step-5
Imported departments.csv file using Data Import Wizard



Exercise-2

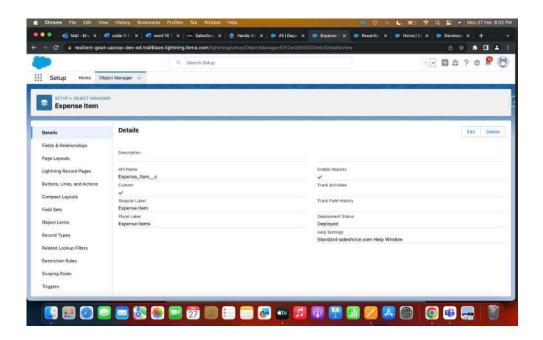
Step-1

Created Travel Approval Record

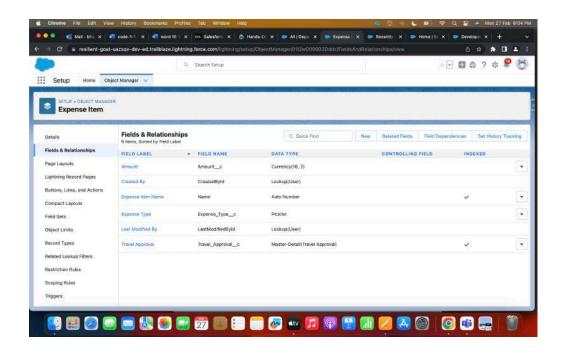


Step-2

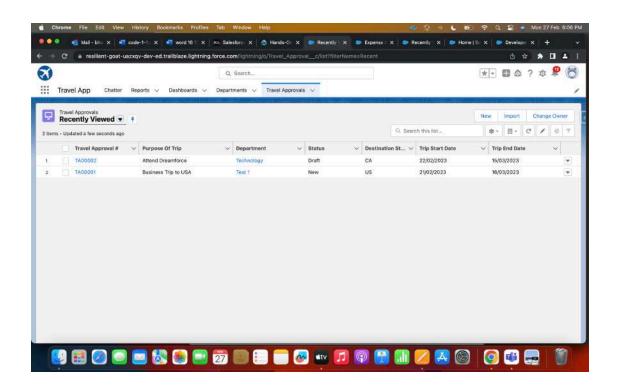
Created Expense Item Custom Object



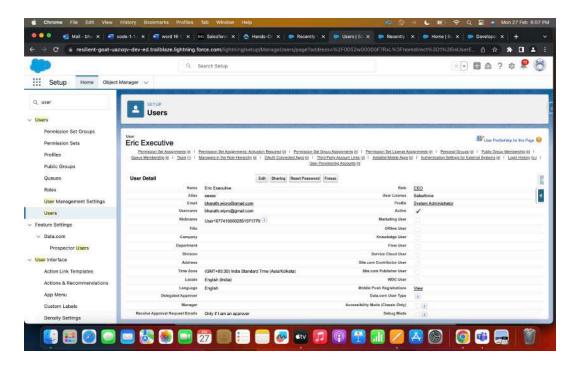
Step-3 Created Custom Fields



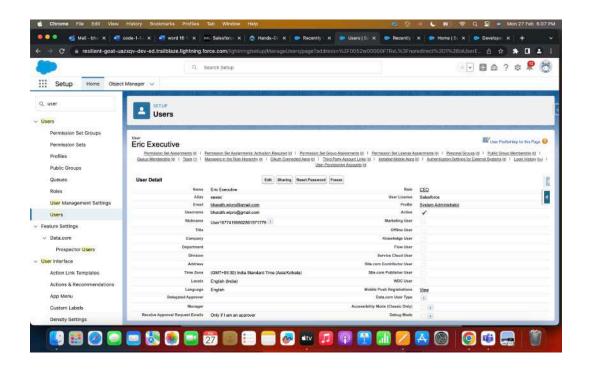
Step-4 Create Records



Created User Eric

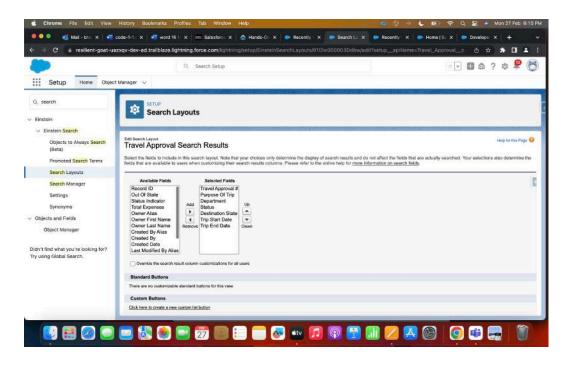


Step-6 Added Eric Executive as Manager to System Administrator



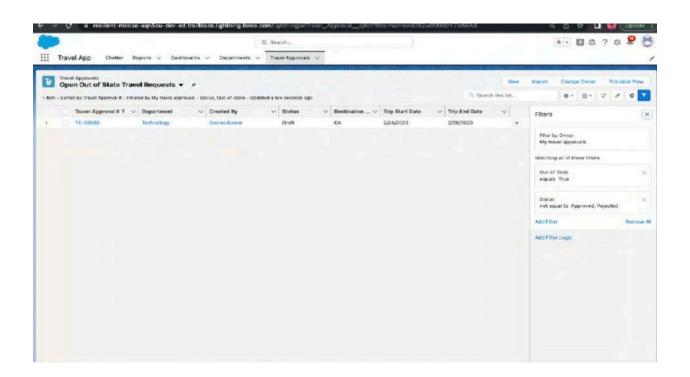
Step-7

Customized the Travel Approval Default Search



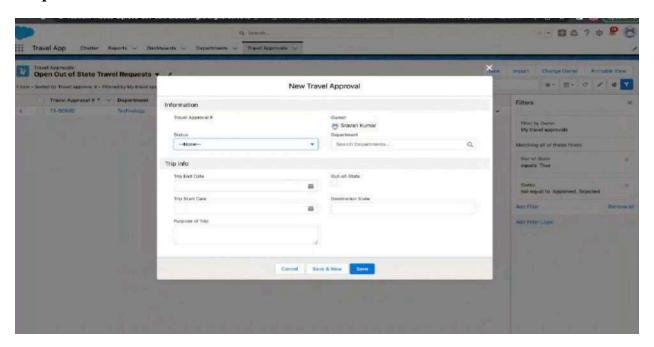
Step-9

Created Travel Approval custom list view open out of state Travel Requests



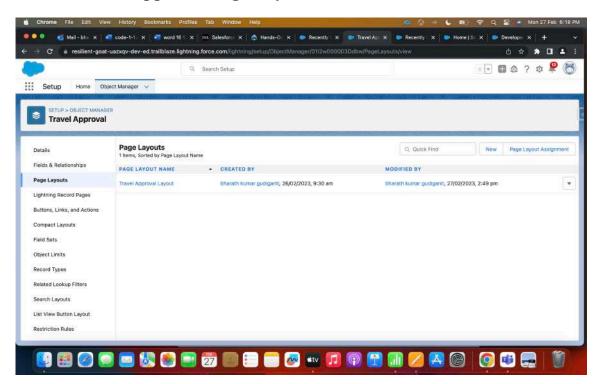
Step-10

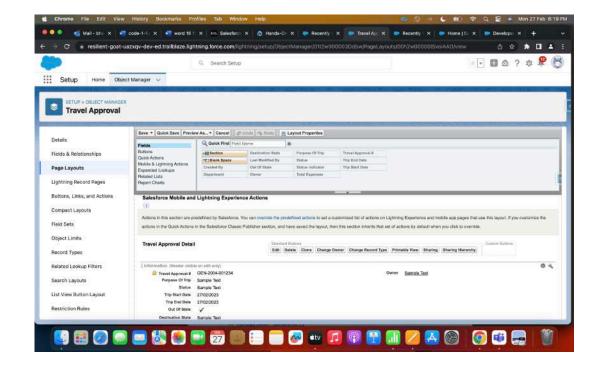
Selected fields to display in the Travel Approval Open Out of State Travel Requests



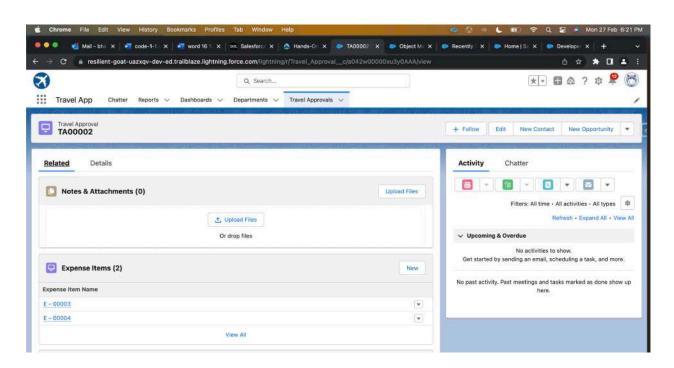
Step-11

Customized Travel Approval Page Layout

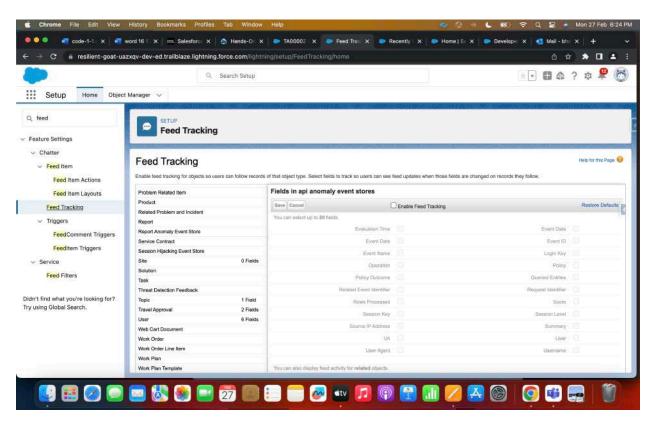


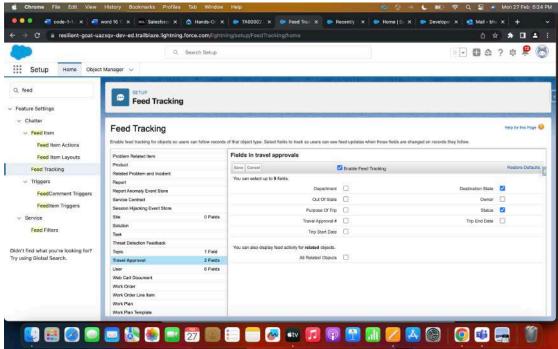


Step-12 Customized the Expense Item Related list under Travel Approval page layout



Step-13 Enable Feed Tracking

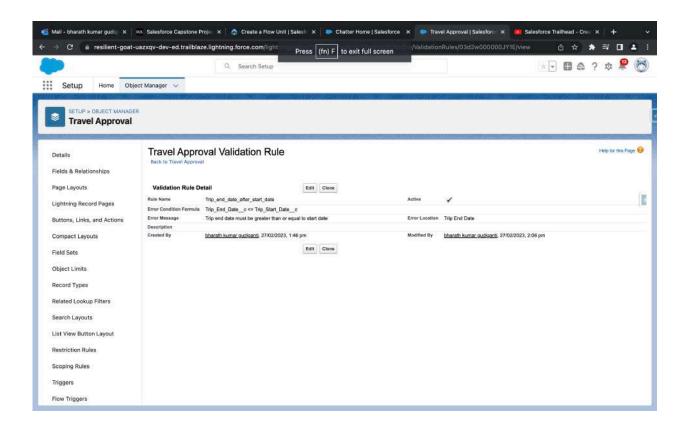




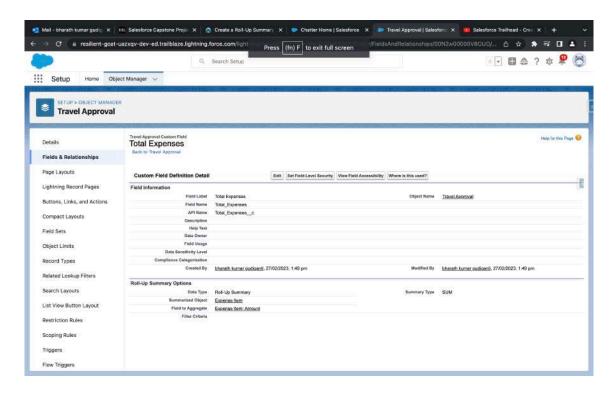
Module 2 Screenshots

Exercise-1 Step-1

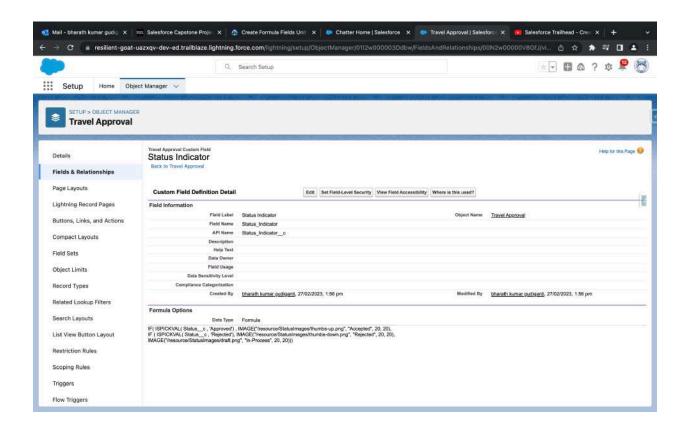
Created Trip end date after start date Validation Rule



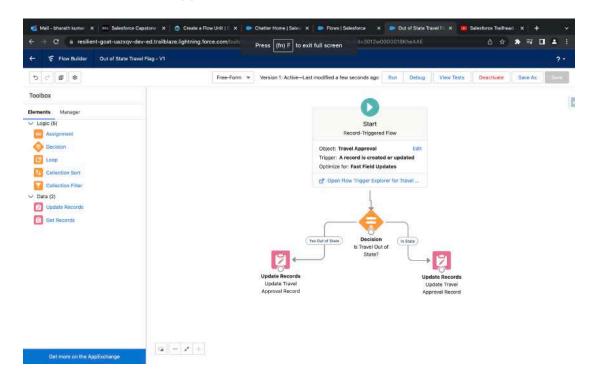
Step-2 Created a Roll Up summary field Total Expenses



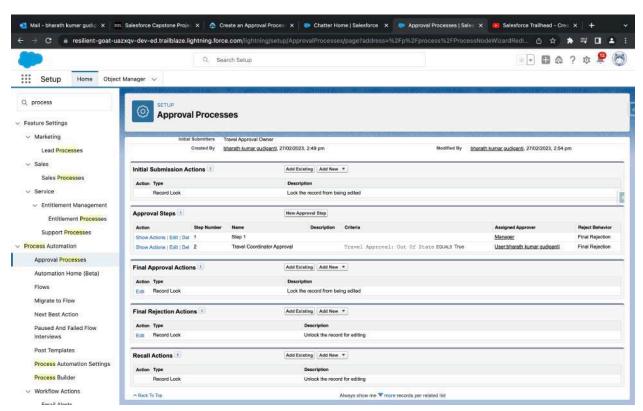
Step-3 Created a formula field StatusImages

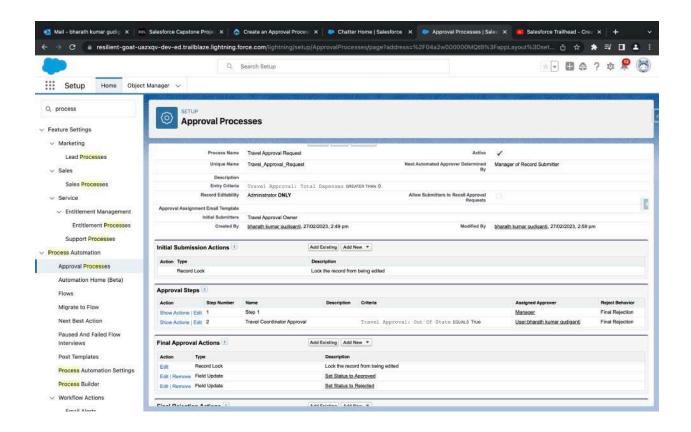


Step-5 Created a Record -Triggered Flow Decision Block

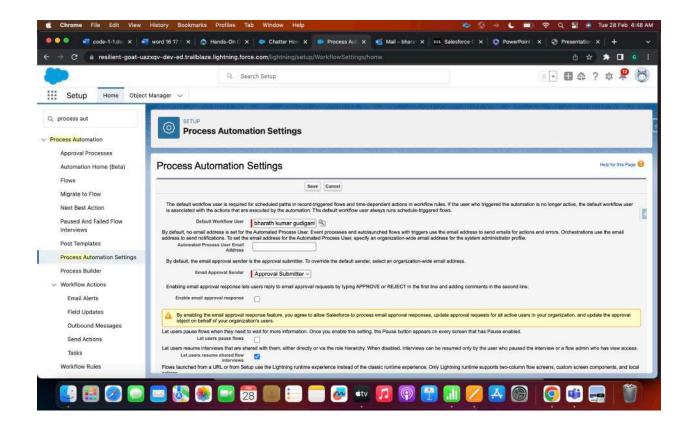


Step-6 Created an approval process Travel Approval Request

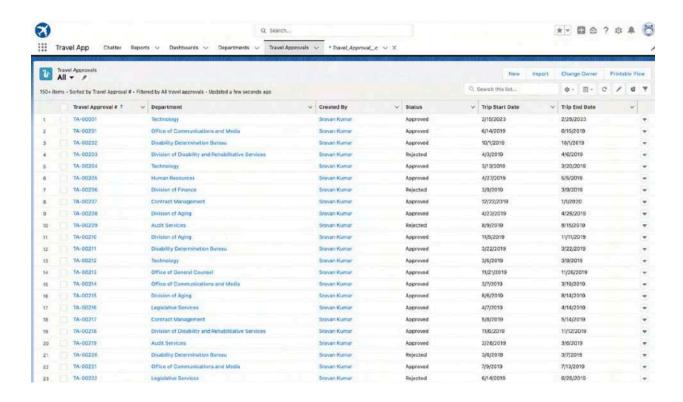




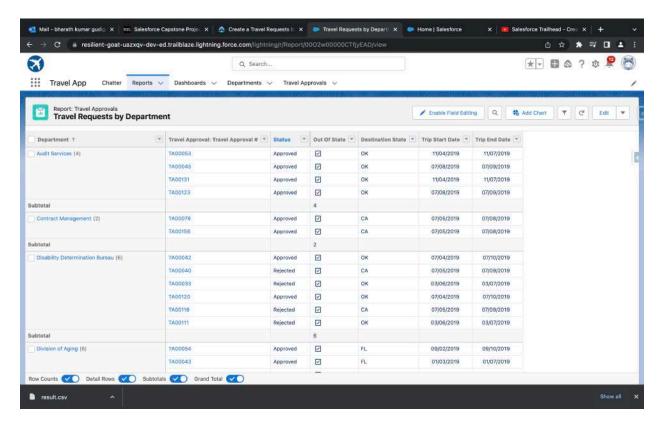
Process automation setting



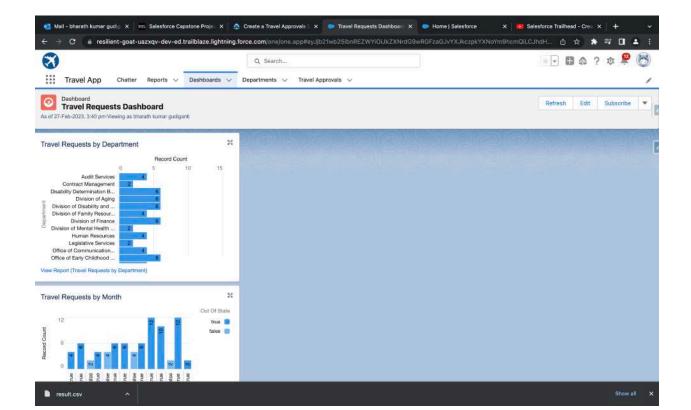
Exercise-2 Step-1 Imported Travel Approval records



Step-2 Created a Report on Travel Requests by Department



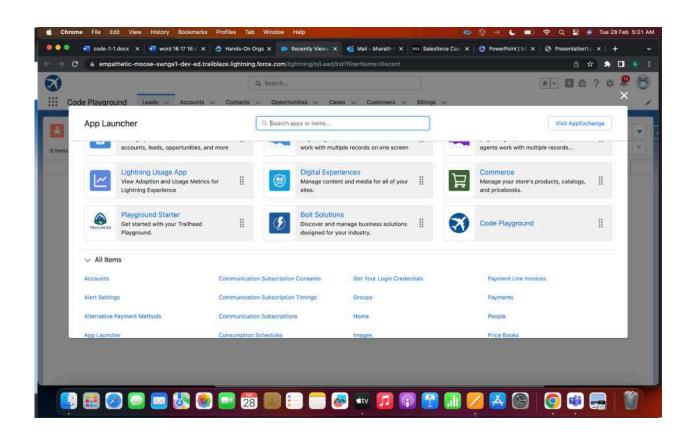
Step-4 Created a Report and dashboard for Travel Approvals

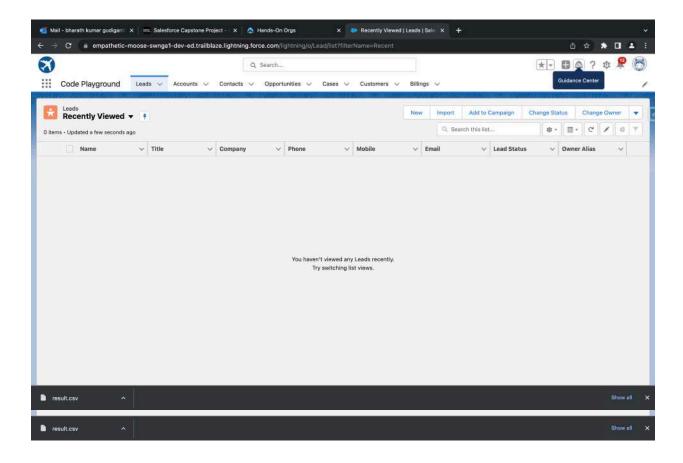


Module-3 Screenshots

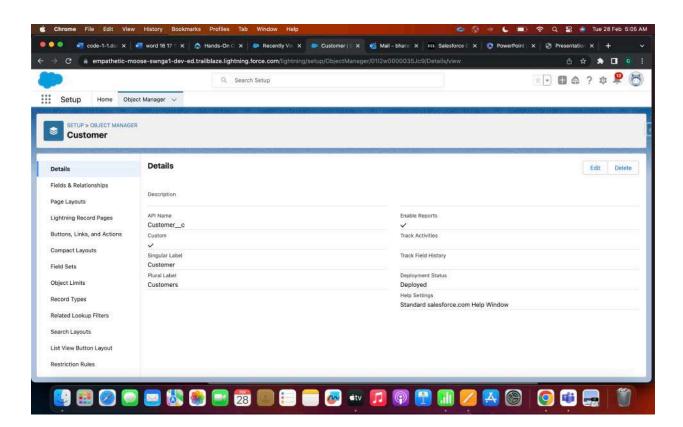
Exercise - 1

Created Code Playground App

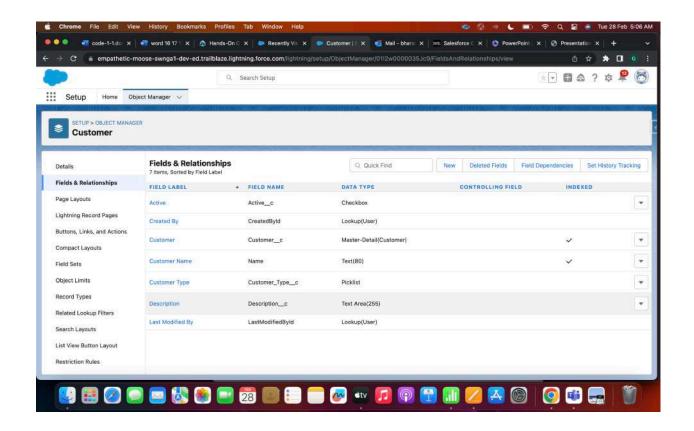




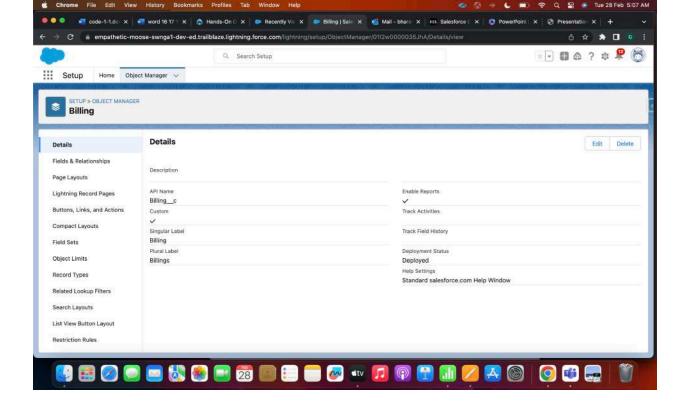
Created the Custom Object Customer as Customer

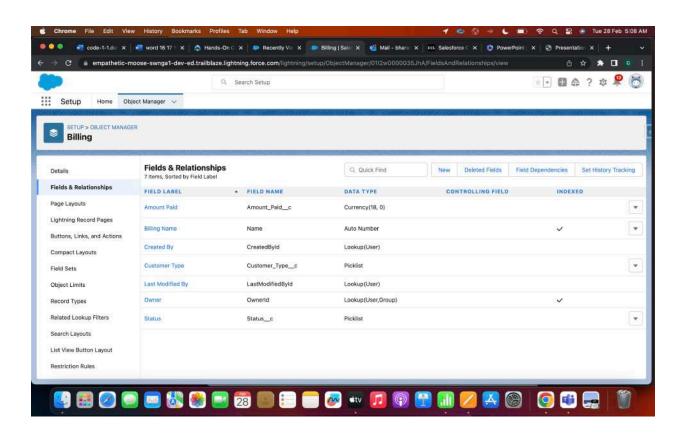


Created all the Custom

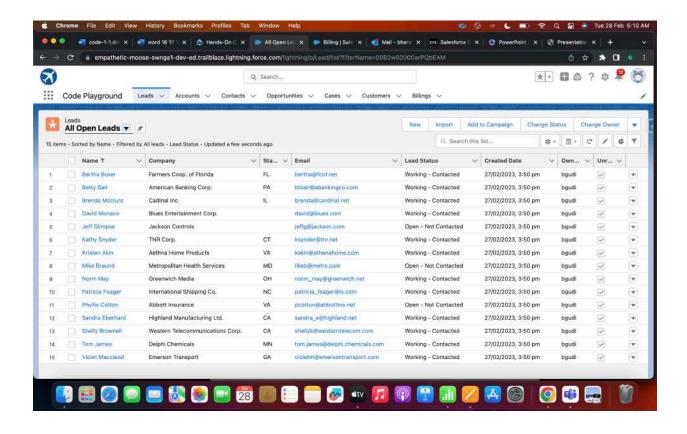


Created a Custom Object named Billing

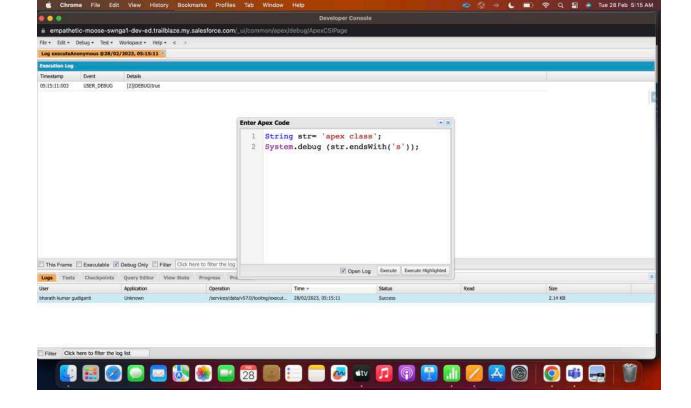




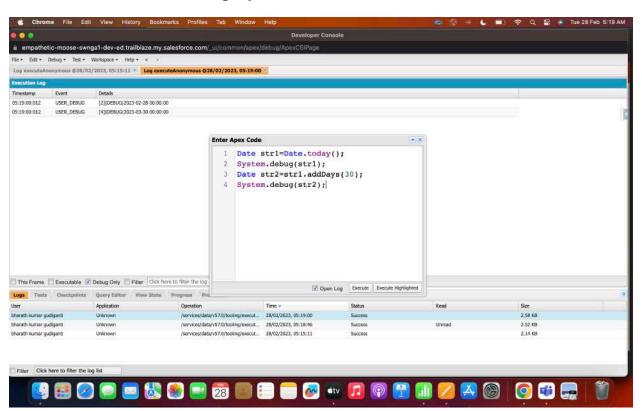
Create Playground App



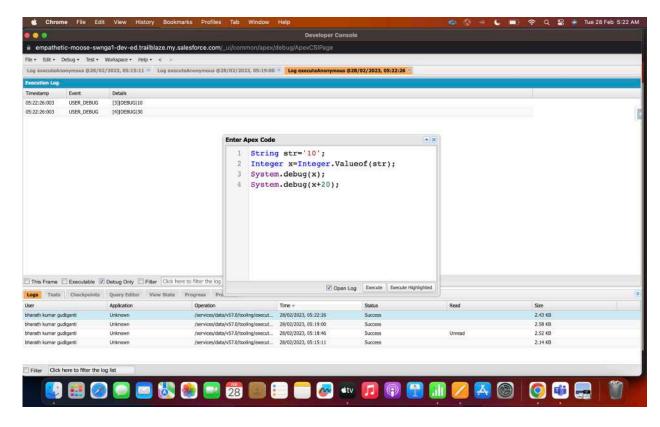
Exercise - 2 String Variable using endsWith() method



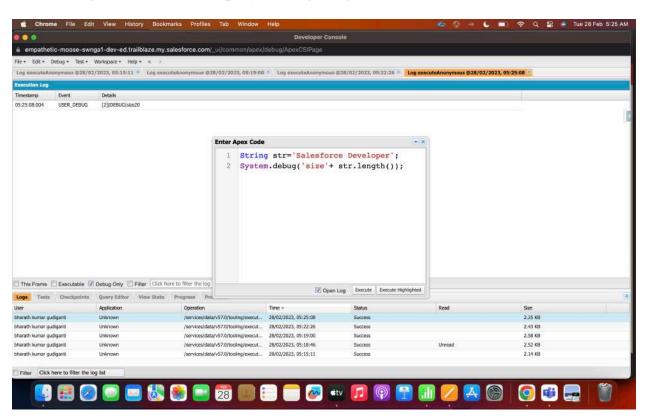
Used Date Method and Displayed the Date



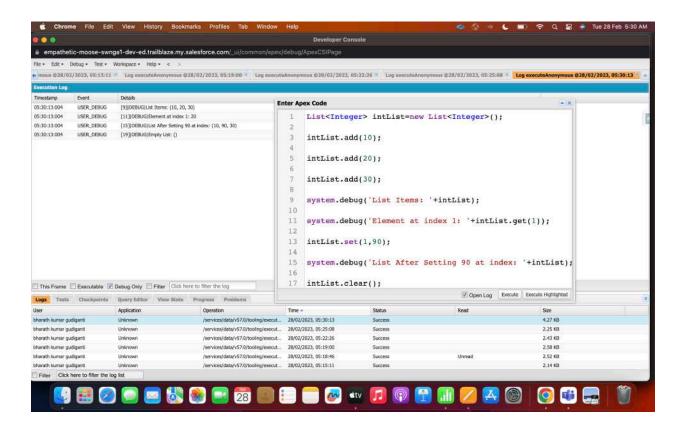
Converted the string to integer and added 20 to it



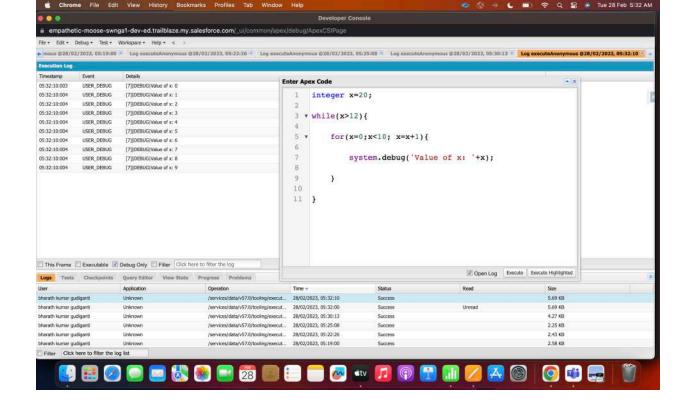
Used Length method to display String length



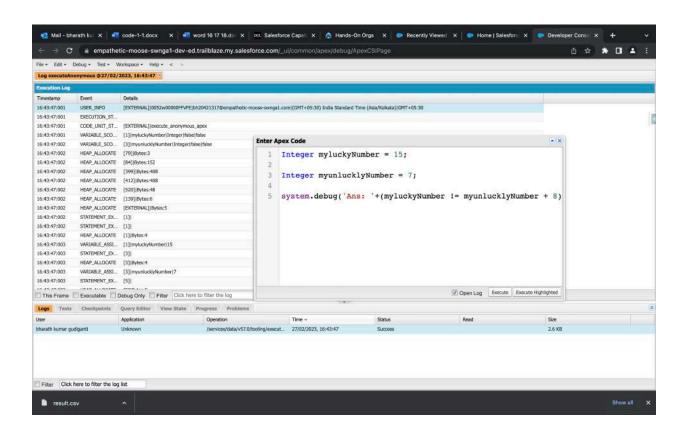
Defined a list and displayed the outputs using different methods



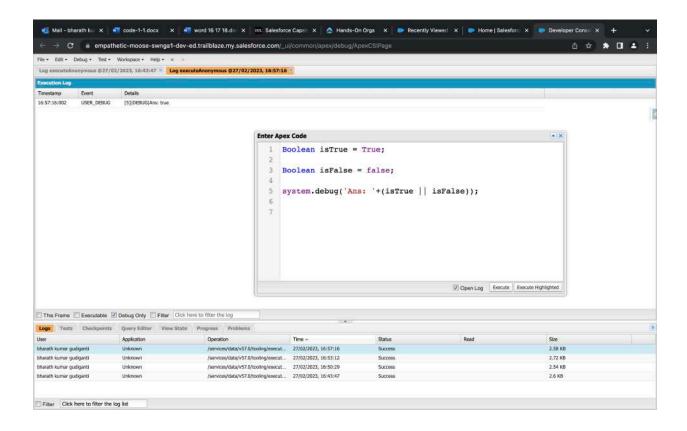
Printed numbers between 0 to 9



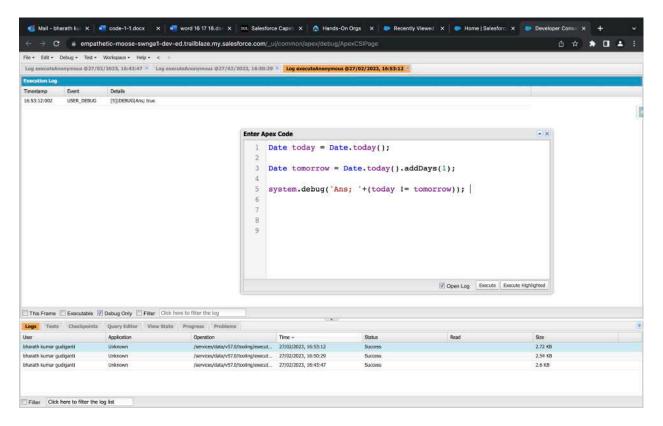
Exercise - 3



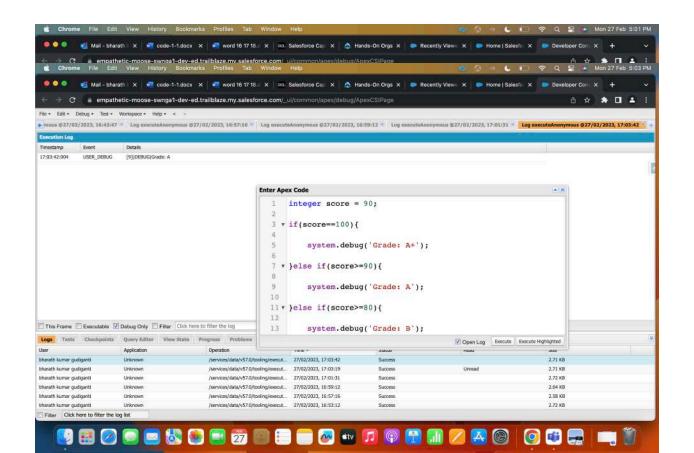
Exercise - 4

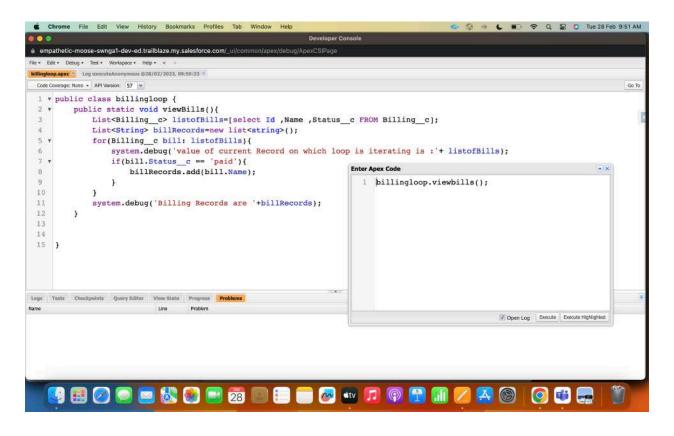


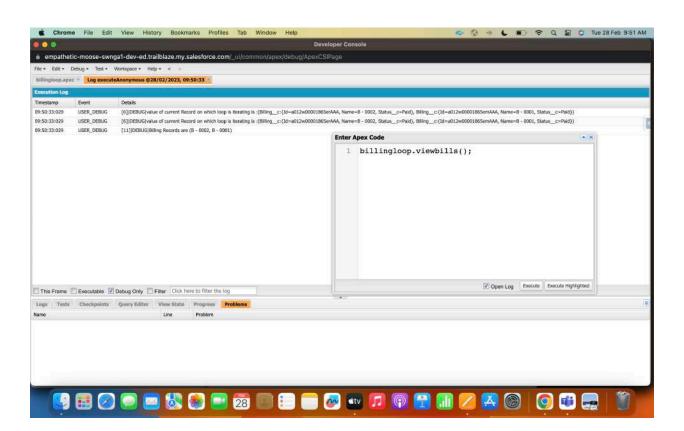
Ex-5



Exercise - 6 Program for finding the grade based on score

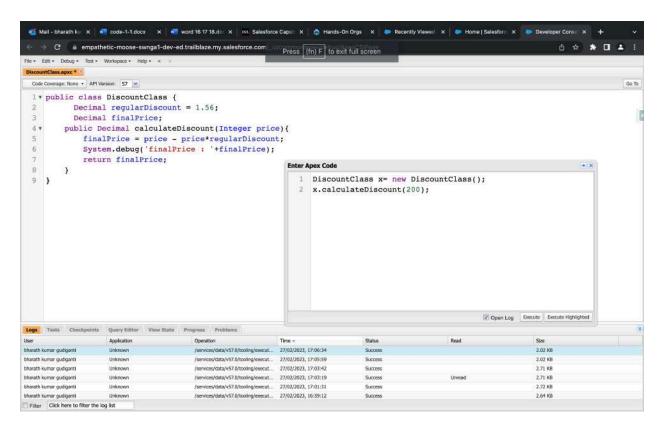


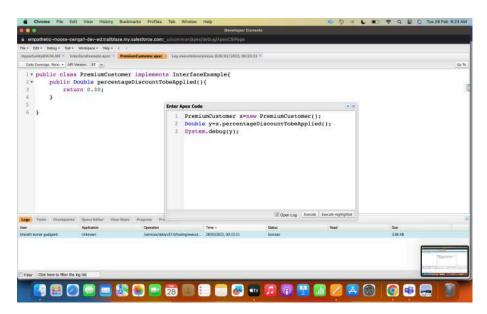


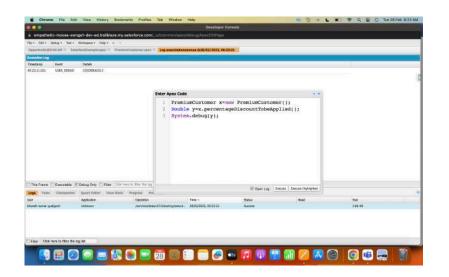


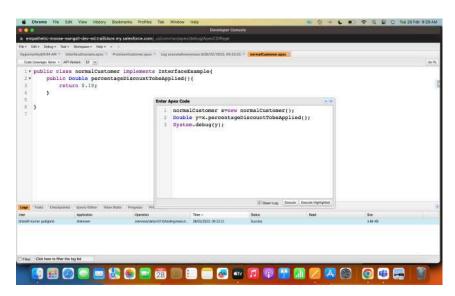
Exercise - 8

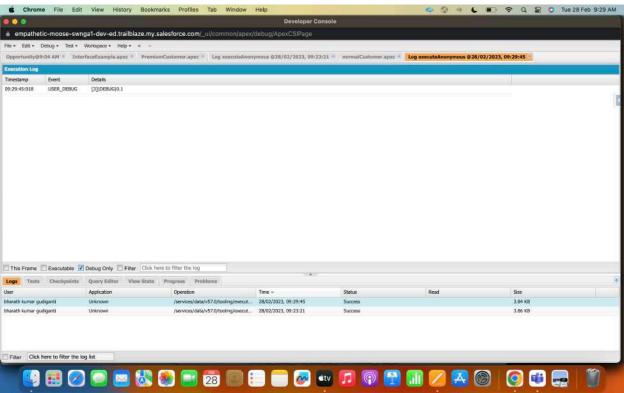
Created a Class to demonstrate constants in Apex







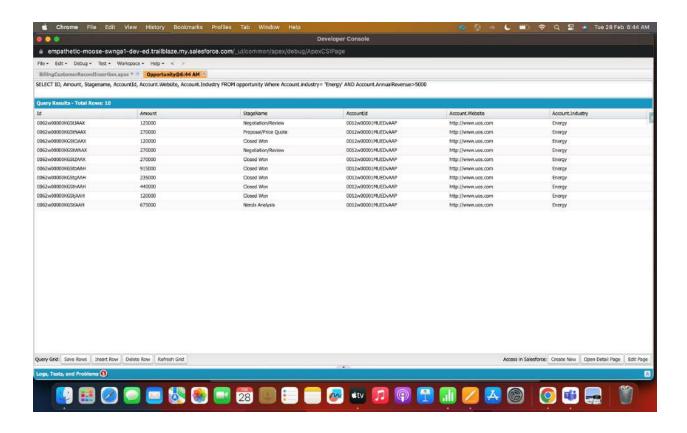


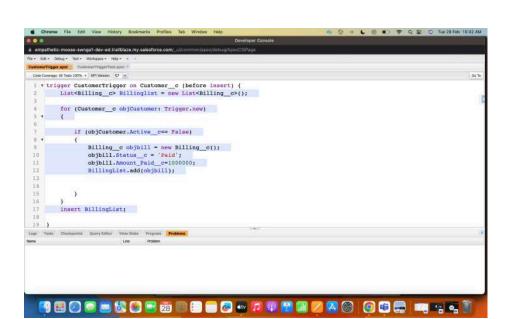


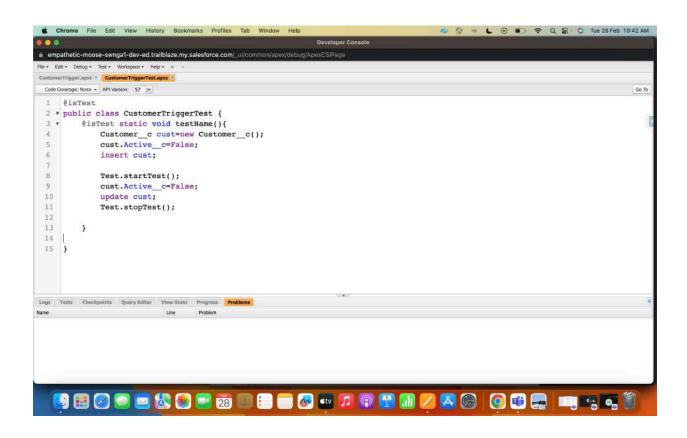
EXERCISE -10

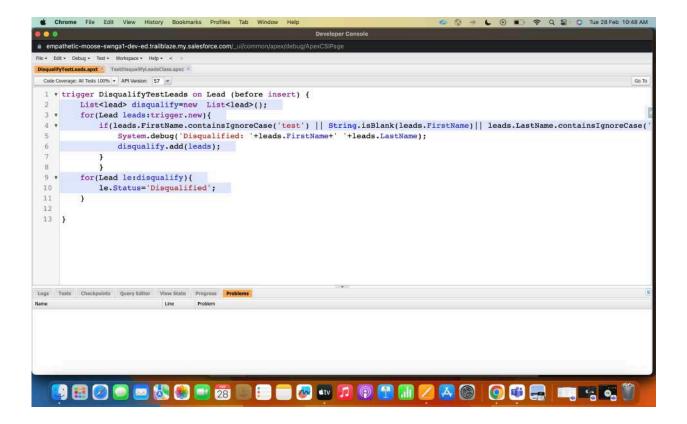
```
    empathetic-moose-swnga1-dev-ed.trailblaze.my,salesforce.com/_
File - Edit - Debug - Test - Workspace - Help - <
 Code Coverage: None + API Version: 57 w
 1 * public class BillingCustomerRecordInsertion {
           Public static void insertRecords(){
             Customer_c cust = new Customer_c(Name = 'Wipro', Customer_Type_c = 'Premium');
              insert cust;
              Id cust_id = cust.Id;
 8 *
              List<Billing_c> billings = new List<Billing_c>{
1 9
                 new Billing_c(Status_c='Paid',Amount_Paid_c =5000000,Customer_c =cust_id)
 10
 11
              Database.SaveResult[] srList= Database.insert(billings,false);
 12
 13 ₹
              for(Database.SaveResult li : srList){
 14 *
                  if(li.isSuccess()){
                      System.debug('Record Inserted , Billing ID: '+li.getId());
 15
 16
 17 ▼
 18 *
                      for(Database.Error e: li.getErrors()){
                          System.debug(e.getStatusCode() + ': ' +e.getMessage());
 19
 20
                          System.debug('Billing fields which are having errors: '+e.getFields());
 22
                 }
 23
             }
 24
```

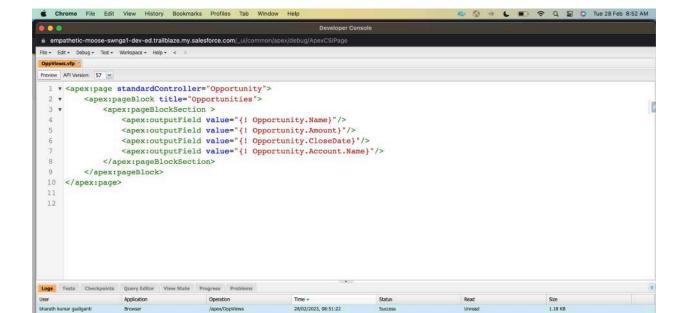
Exercise-11

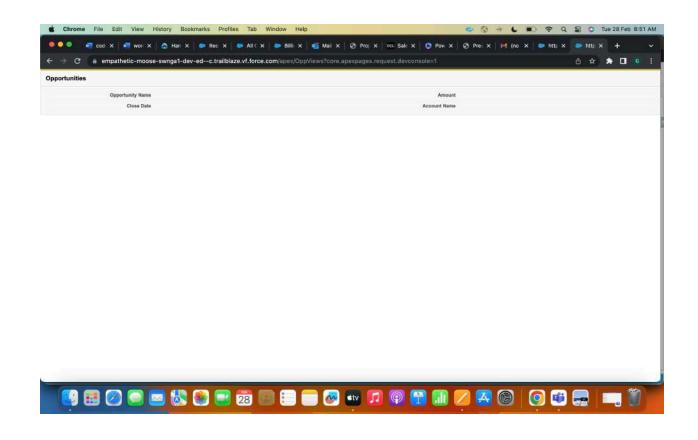


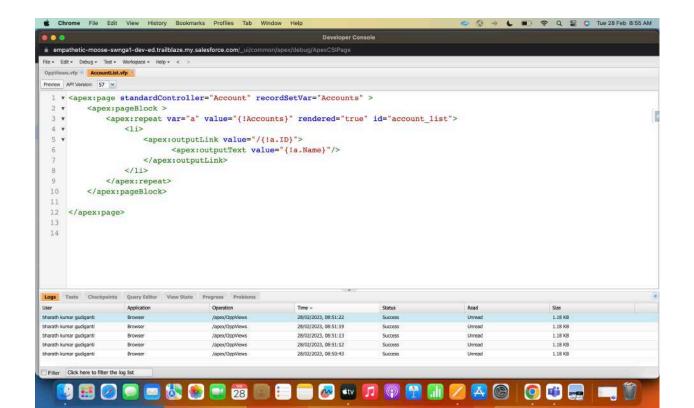


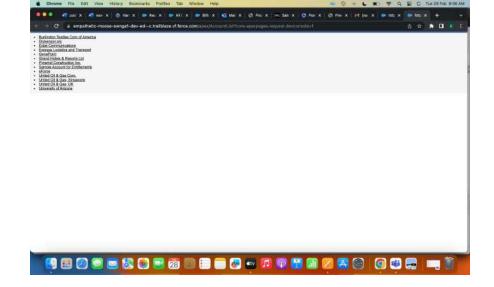




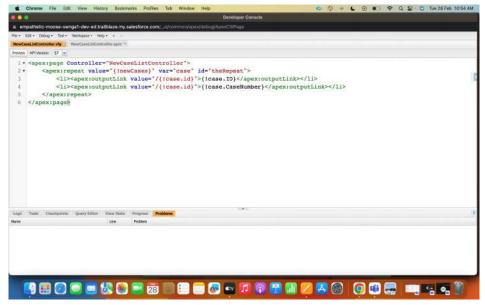


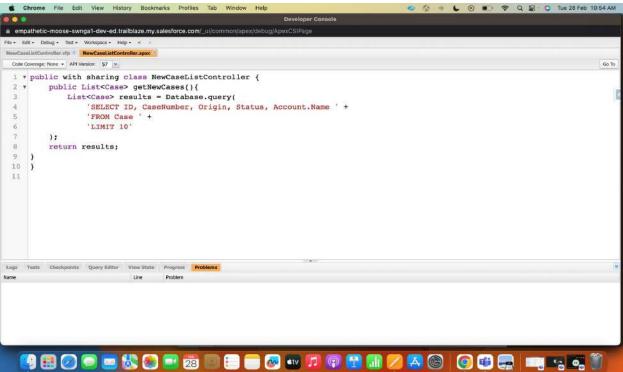


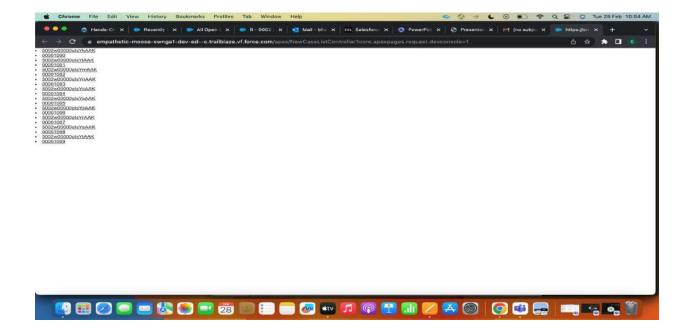




Exercise-18







References

- 1. Manage sales Salesforce IN
- 2. Salesforce ADX201 Administrative Essentials for New Admins in Lightning Experience (SFADX201) (qa.com)
- 3. <u>Understand the Salesforce Architecture Unit | Salesforce Trailhead</u>