

Practical No. 3

Problem Statement :-

Creating an Application in Salesforce.com using Apex programming Language.

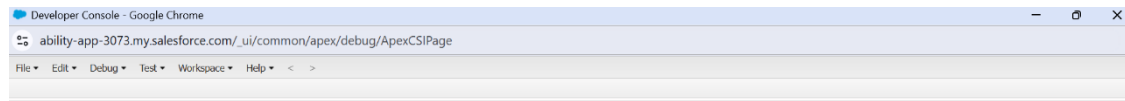
SignUp / Login :

The screenshot shows the 'Advanced User Details' page for a user named Pranjal Patil. The page is part of the Salesforce Lightning interface. The left sidebar contains a 'Quick Find' search bar and a list of navigation links under 'My Personal Information', including 'Advanced User Details' (which is selected), 'Approver Settings', 'Authentication Settings for External Systems', 'Change My Password', 'Connections', 'External Credentials', 'Grant Account Login Access', 'Language & Time Zone', 'Login History', and 'Personal Information'. The main content area displays the user's details, including their name, email, username, nickname, title, company, and department. It also shows various permissions and roles, such as 'Salesforce System Administrator' and 'Marketing User'. The bottom of the page features a 'To Do List' and a system tray with icons for various applications and the system clock.

Home Page of Salesforce :

The screenshot shows the 'Seller Home' page in Salesforce. The page is personalized for the user Pranjal Patil, with a greeting 'Good afternoon, Pranjal. Let's get selling!'. The main content area is divided into three sections: 'Close Deals', 'Plan My Accounts', and 'Grow Relationships'. Each section contains a circular progress indicator and a list of metrics. The 'Close Deals' section shows a total pipeline of ₹4.7L, with ₹2.2L Open, ₹2.3L Won, and ₹19.5T Lost. The 'Plan My Accounts' section shows 3 accounts, with 2 upcoming activity, 1 past activity, and 0 no activity. The 'Grow Relationships' section shows 2 contacts, with 2 upcoming activity, 0 past activity, and 0 no activity. The bottom of the page features a 'Build Pipeline' section, 'My Goals', and 'Today's Events'. The system tray at the bottom shows the system clock and various application icons.

Developers Console :



Logs						
User	Application	Operation	Time	Status	Read	Size

Filter Click here to filter the log list

Setup Home :

NAME	TYPE	OBJECT
Job Applications	Custom Tab Definition	Job Application
Job Application	Custom Object Definition	
Job Application Access	Permission Set	
Pranjal Patil	User	
JobApplicationService	Apex Class	
JobApplicationHandler	Apex Class	
SFDC_DevConsole	Debug Level	
Job Application Record Page	Lightning Page	
Job Application Layout	Page Layout	Job Application
Application Status	Custom Field Definition	Job Application

Object Manager :

The screenshot shows the Salesforce Object Manager interface for the 'Job Application' object. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The main content area displays the 'Details' tab, which includes a description, API Name (JobApplication_c_c), Custom checkbox, Singular Label (Job Application), Plural Label (Job Applications), and a list of settings: Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (In Development), Help Settings, and Standard salesforce.com Help Window. There are 'Edit' and 'Delete' buttons in the top right corner.

Creating a class in the Developer console with Handler and Service code :

The screenshot shows the Salesforce Apex Classes page for the 'JobApplicationHandler' class. The left sidebar contains a navigation menu with options like Events, Process Automation, User Interface, Custom Code, Apex Classes, Apex Settings, Apex Test Execution, Apex Test History, Apex Triggers, Canvas App Previewer, Custom Metadata Types, Custom Permissions, Custom Settings, DataWeave Resources, Email Services, Lightning Components, Platform Cache, and Remote Access. The main content area displays the 'Apex Class Detail' for 'JobApplicationHandler', including its Name, Namespace Prefix, Created By, Last Modified By, Status (Active), and Code Coverage (0% (No coverage data)). Below the details, there is a 'Class Body' tab showing the following code:

```
1 public class JobApplicationHandler {  
2  
3 }
```

There are 'Edit', 'Delete', 'Download', 'Security', and 'Show Dependencies' buttons at the bottom of the class body.

The screenshot shows the Salesforce Setup interface. The left sidebar contains navigation links for Setup Home, Salesforce Foundations, Sales Setup, Service Setup Assistant, Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Manage Subscription, and Sales Cloud Everywhere. The main content area is titled 'Apex Classes' and displays details for the 'JobApplicationService' class. The class is active, created by Pranjal.Patil on 23/03/2025 at 6:57 pm, and has 0% code coverage. The class body is shown with the following code:

```
1 public class JobApplicationService {  
2  
3 // Method to create a new job application record  
4 public static Id createApplication(String name, String candidateName, String email, String phoneNumber, String status) {  
5     try {  
6         System.debug('### Creating Job Application ###');  
7  
8 // Ensure field names match Salesforce API names  
9 JobApplication_c__c jobApp = new JobApplication_c__c(  
10     Name = name, // Salesforce standard Name field  
11     Candidate_Name__c = candidateName,  
12 }
```

Executing and Dependency information for Apex Class :

The screenshot shows the Salesforce Setup interface, specifically the 'Dependency Information for Apex Class JobApplicationService' page. The page explains that a dependency is created when one component references another component, permission, or preference, which must exist for the component to be valid. The components listed below have dependencies. In addition, the object-level operational scope, that is, the data manipulation language (DML) operations contained in an Apex script on an object, is also listed. To see field-level detail of the operational scope, click Fields next to name of an object.

Object Operational Scope

		Insert	Update	Delete	Upsert	Undelete	Merge
Job Application	[Fields]	✓	✓				

Salesforce

Home | Job Application | Salesforce | Apex Job Application Code

ability-app-3073.lightning.force.com/lightning/r/JobApplication_c__c/a01f6000000Ht4AAK/view

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Job Application PMO

New Contact Edit New Opportunity ▾

Related Details

Job Application Name	PMO	Owner	Pranjal Patil
Candidate Name	Pranjal Patil		
Email	pjp220033@gmail.com		
Phone Number	9172906303		
Resume			

Activity

Filters: All time • All activities • All types ⚙️

Refresh Expand All View All

Upcoming & Overdue

No activities to show.
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.