

INDUSTRIAL TRAINING

CORE AND ADVANCE JAVA

BABU BANARASI DAS UNIVERSITY

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INTRODUCTION

Java is one of the programming language or technology used for developing web Applications.

Java language developed at SUN Micro Systems in the year 1995

It is developed by James Gosling and there team.

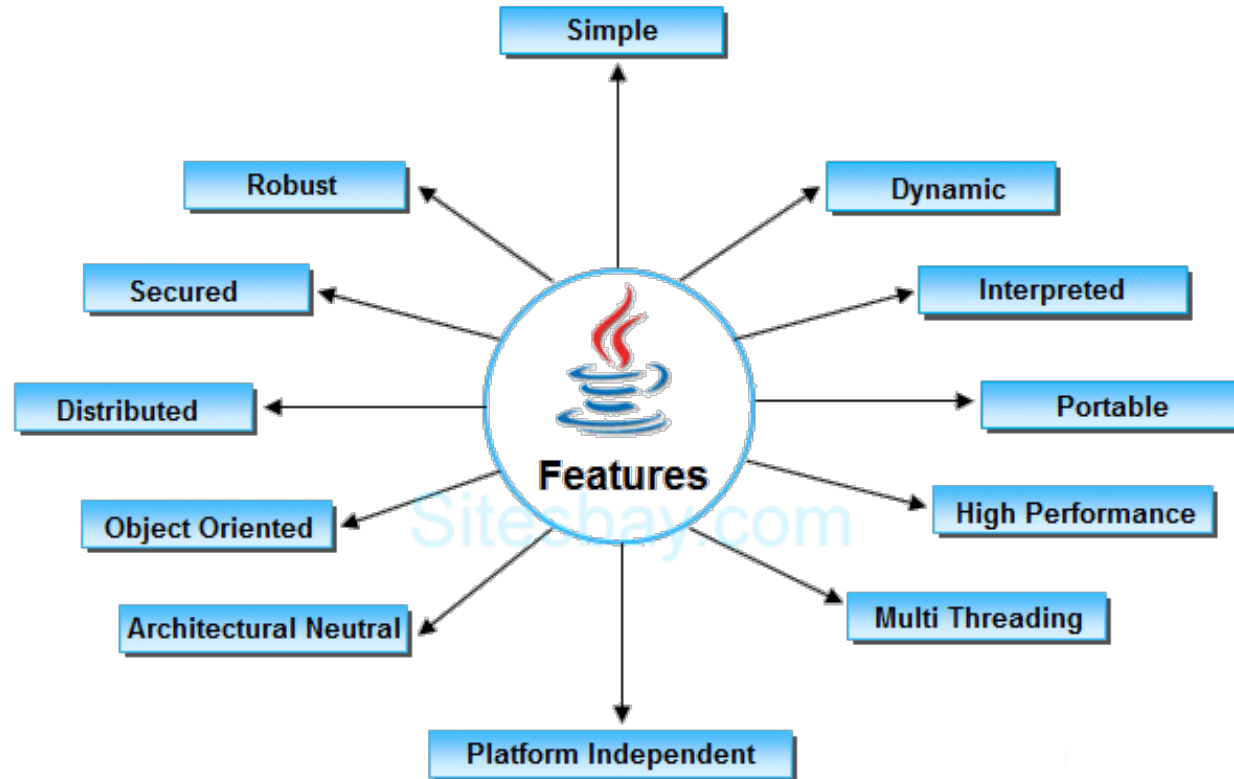
Originally SUN Micro Systems is one of the Academic university (Standford University Network)

INTRODUCTION

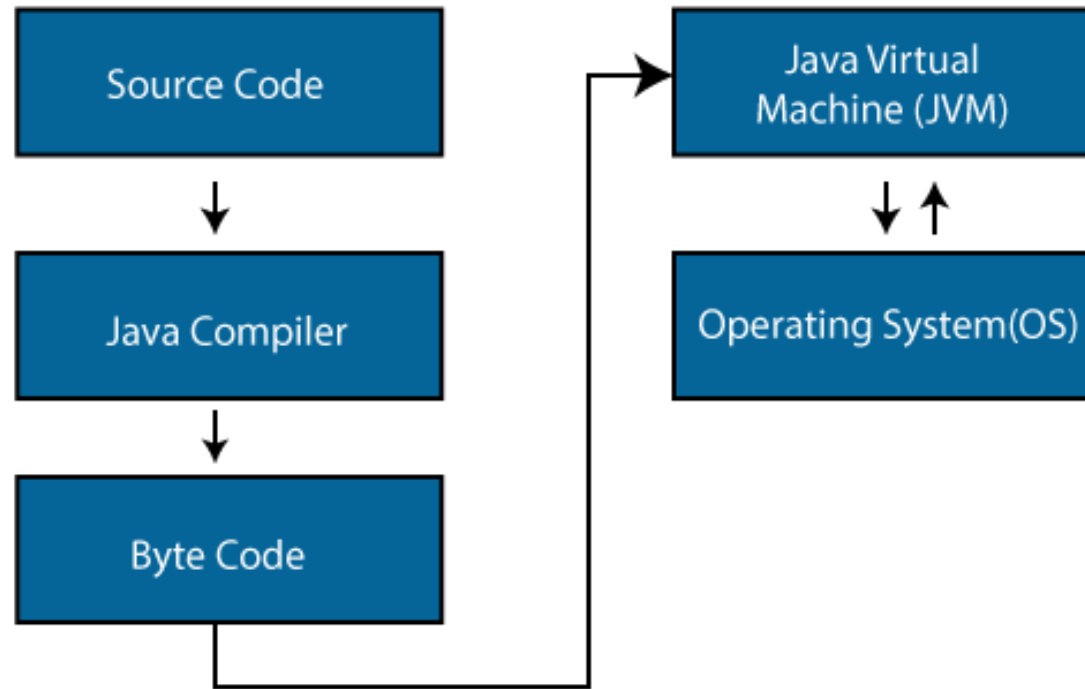
Java is a platform independent, more powerful, secure, high performance, multi threaded programming language.



Features of Java



How Java Works



Class in Java

Class is a blue print which is containing only list of variables and method and no memory is allocated for them

A class in java contains:

- Data Member
- Method
- Constructor
- Block
- Class and Interface



Object in Java

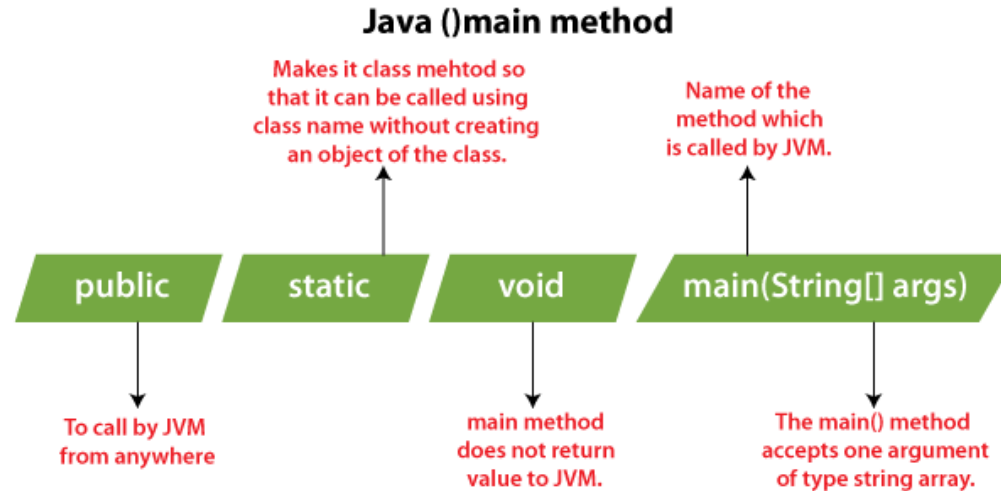
Object is a instance of class, object has state and behaviors.

An Object in java has two characteristics:

- State represents Data Value
- Behavior represents Functionality



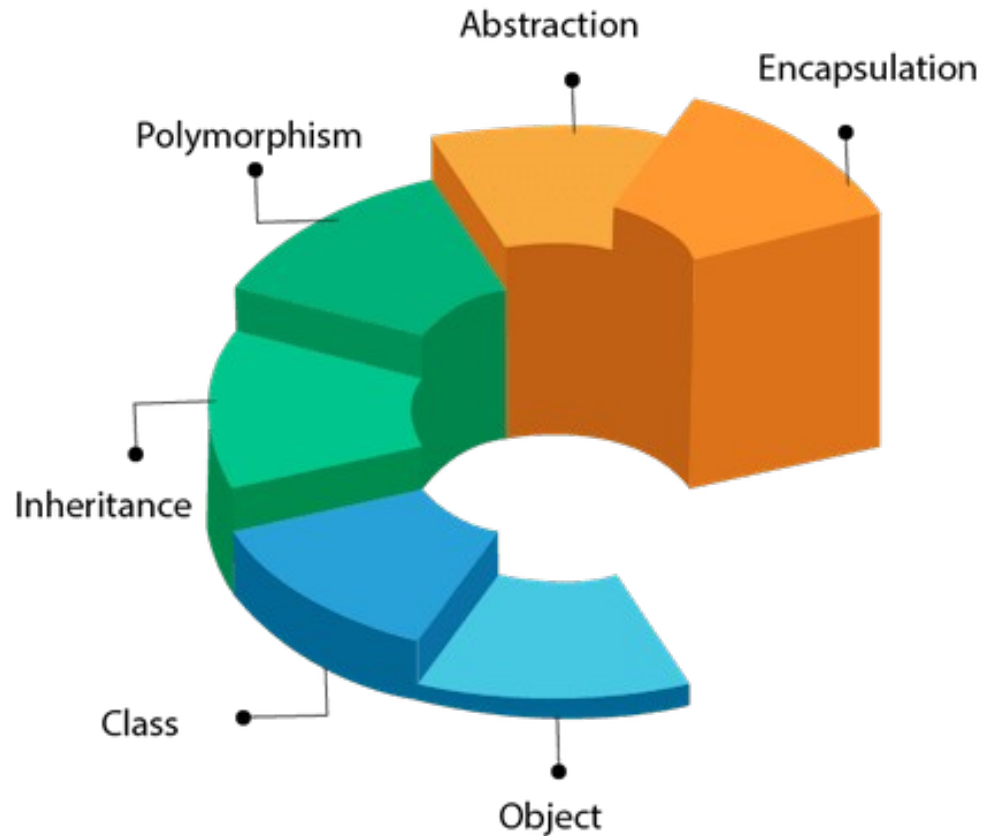
main() method in Java



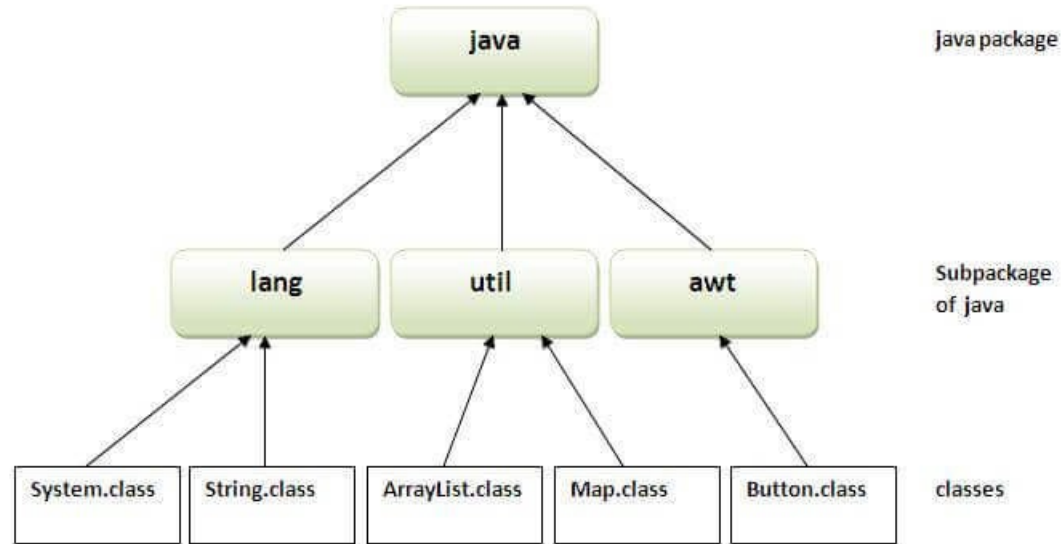
Access Modifier in Java

Access Modifier	within class	within package	outside package by subclass only	outside package not subclass
Private	Y	N	N	N
Default	Y	Y	N	N
Protected	Y	Y	Y	N
Public	Y	Y	Y	Y

OOPs (Object-Oriented Programming System)

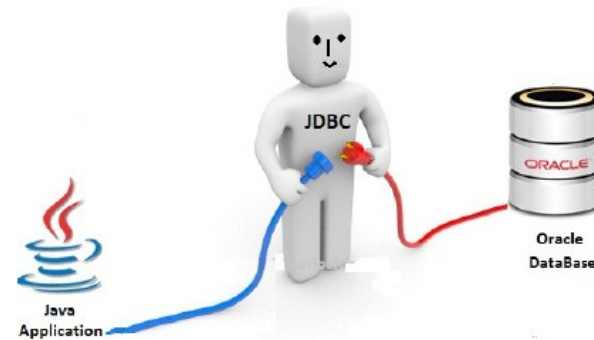


Packages and Class



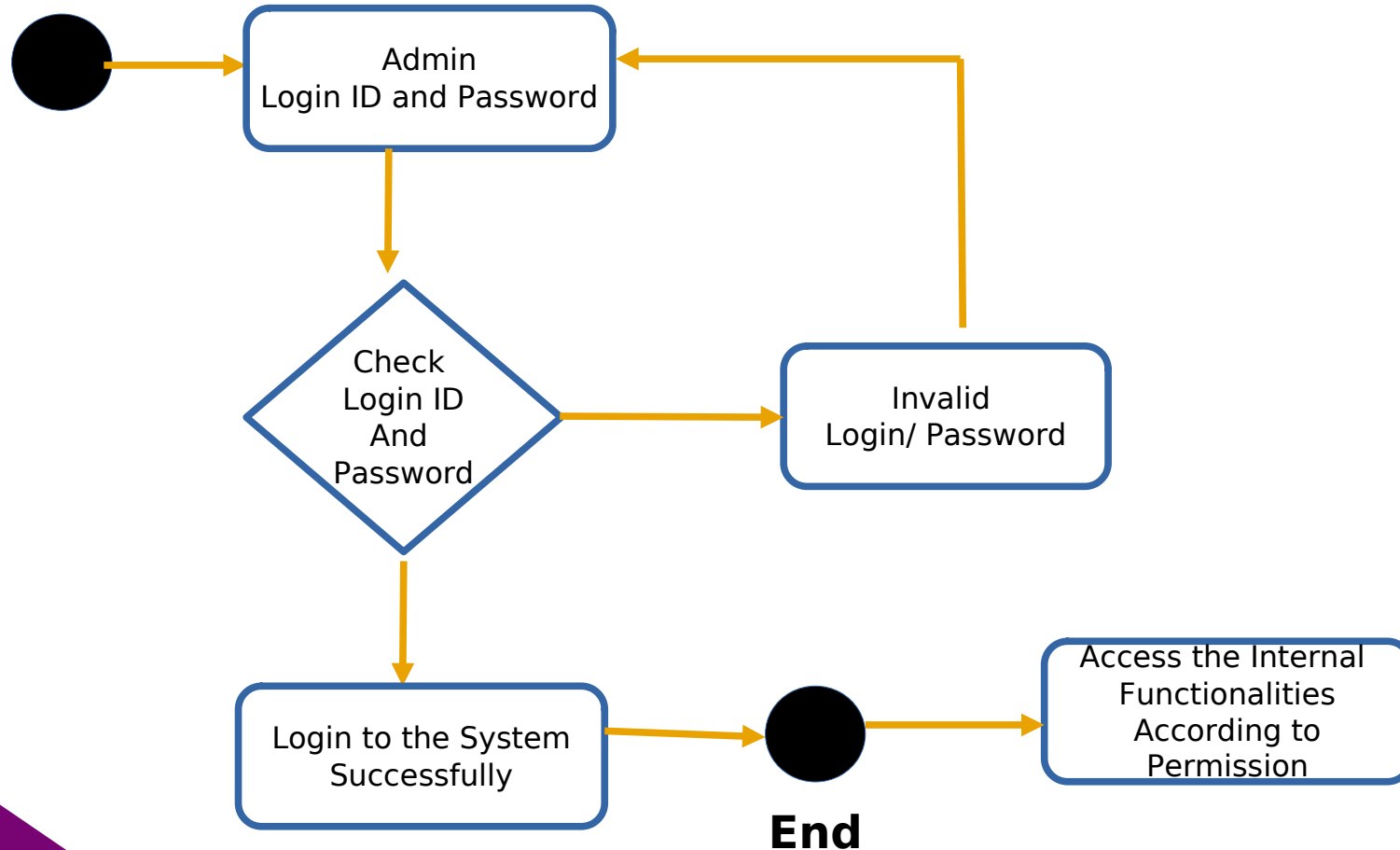
JDBC

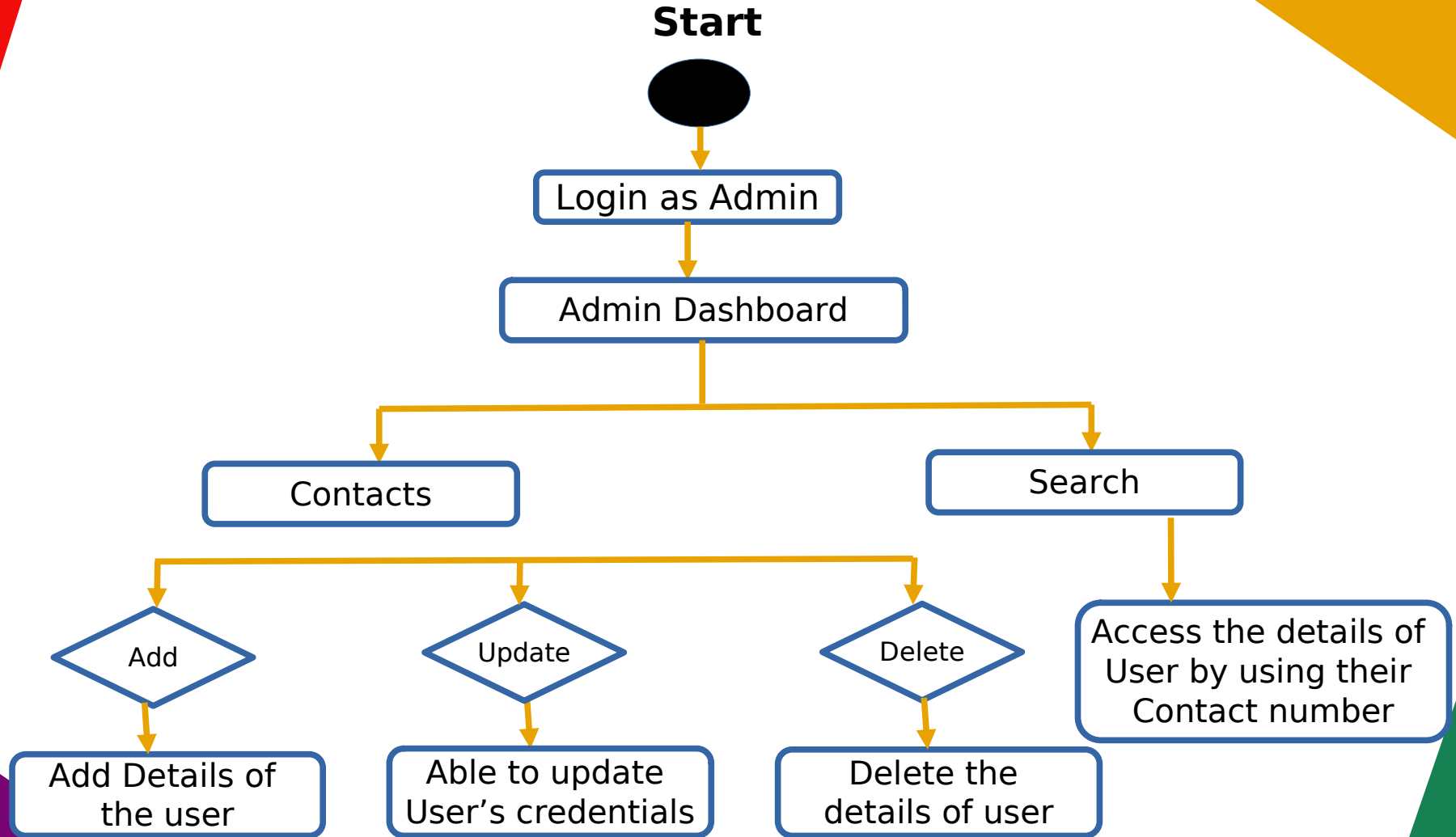
JDBC (Java Database Connectivity) is used for connecting java application with database. It is Java SE technology, which is installed automatically with the JDK software.



Login Diagram

Start





PROJECT UNDERTAKEN

MODULES PROVIDED

Login Frame Using User Id and Password

Admin Frame

Contacts

Add

Update

Delete

Search

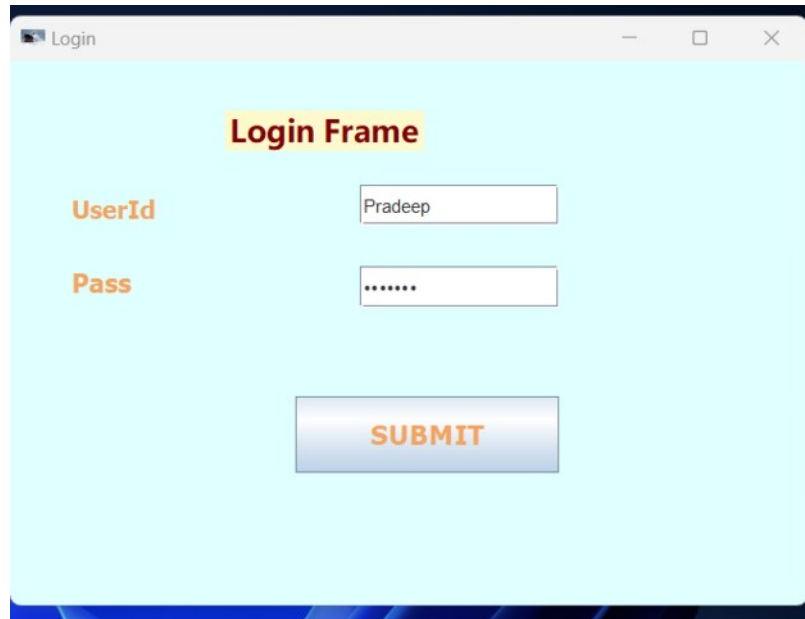
By Number

PROJECT UNDERTAKEN

FOR LOGIN

UserId

Pass

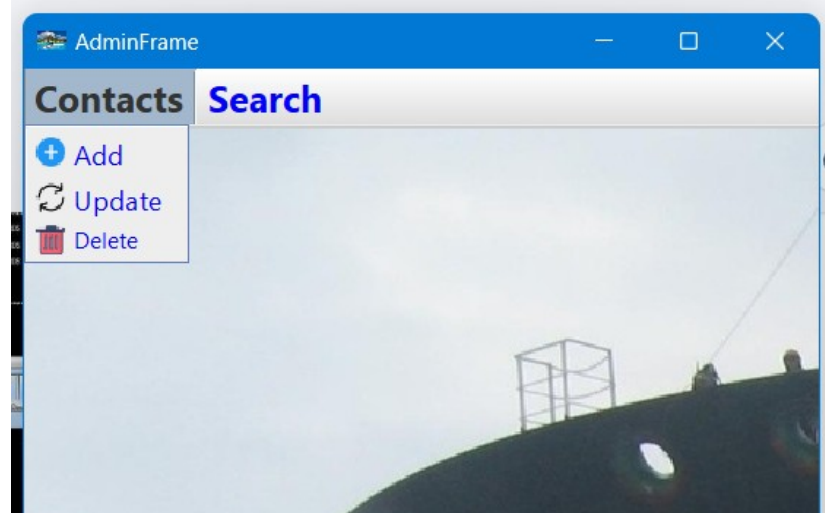


The screenshot shows a web browser window with the title 'Login'. The page has a light blue background. At the top center, the text 'Login Frame' is displayed in a yellow box. Below this, there are two input fields. The first field is labeled 'UserId' in orange text and contains the text 'Pradeep'. The second field is labeled 'Pass' in orange text and contains seven asterisks '*****'. Below these fields is a blue button with the text 'SUBMIT' in orange. The browser window has standard window controls (minimize, maximize, close) in the top right corner.

Admin Frame

After Login Successfully:

Clicking on
Contacts button



Admin Frame

On clicking Add Contact Frame will open

The modification will be done by clicking on the update and delete button in the Admin Frame



The screenshot shows a window titled "ContactFrame" with a blue header bar. The form contains the following fields and controls:

- Name:** Text input field containing "Pradeep Kumar".
- Email:** Text input field containing "pk3483899@qma".
- Phone:** Text input field containing "9006702113".
- address:** Text input field containing "Siwan (BIHAR)".
- Gender:** Two radio buttons labeled "Male" and "Female". The "Male" button is selected.
- SUBMIT:** A pink button with the text "SUBMIT" in black.

The slide features a white background with four large, colorful geometric shapes in the corners: a red triangle in the top-left, a yellow triangle in the top-right, a purple triangle in the bottom-left, and a green triangle in the bottom-right. All triangles point towards the center of the slide.

Thank You