

Date : 27/04/2022

CSLR62

App Development Laboratory

Record File

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Section: **CSE-B**

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Date : 02/02/2022

Lab 1

Problem statement

Experiment-1

Due February 2, 2022 11:59 PM • Closes February 4, 2022 11:59 PM

Instructions

Create a web page for user registration using HTML, CSS and validate the details using Javascript.

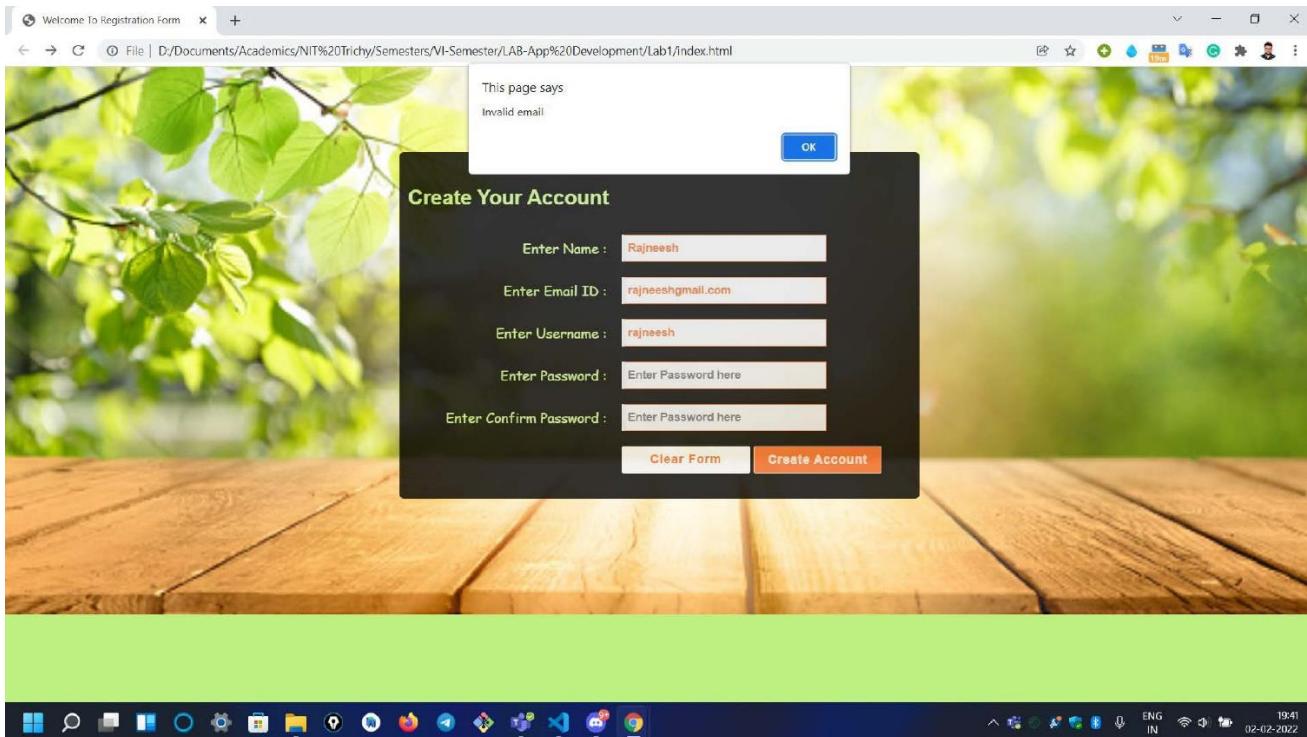
Tools/Programming Languages Used

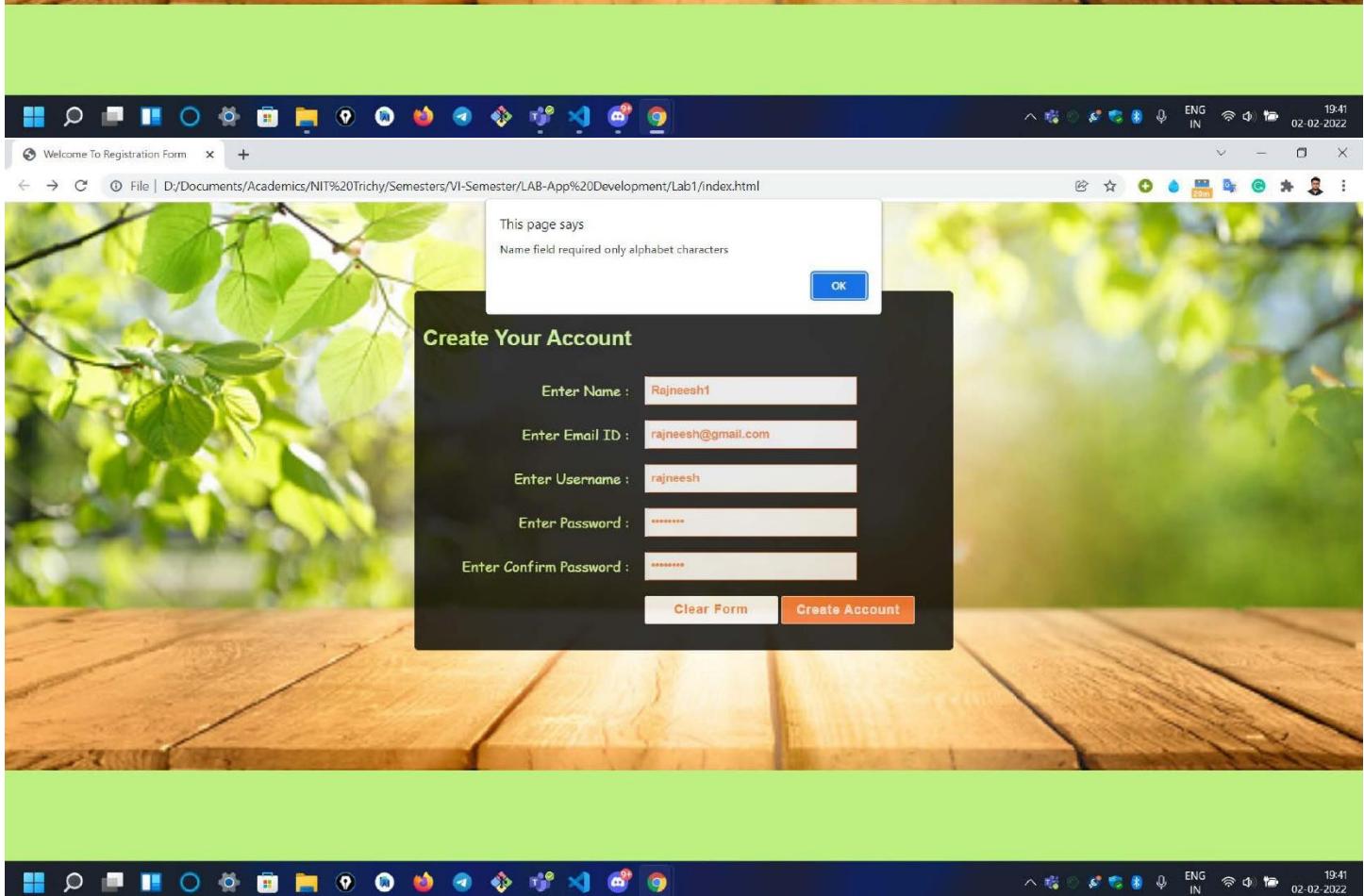
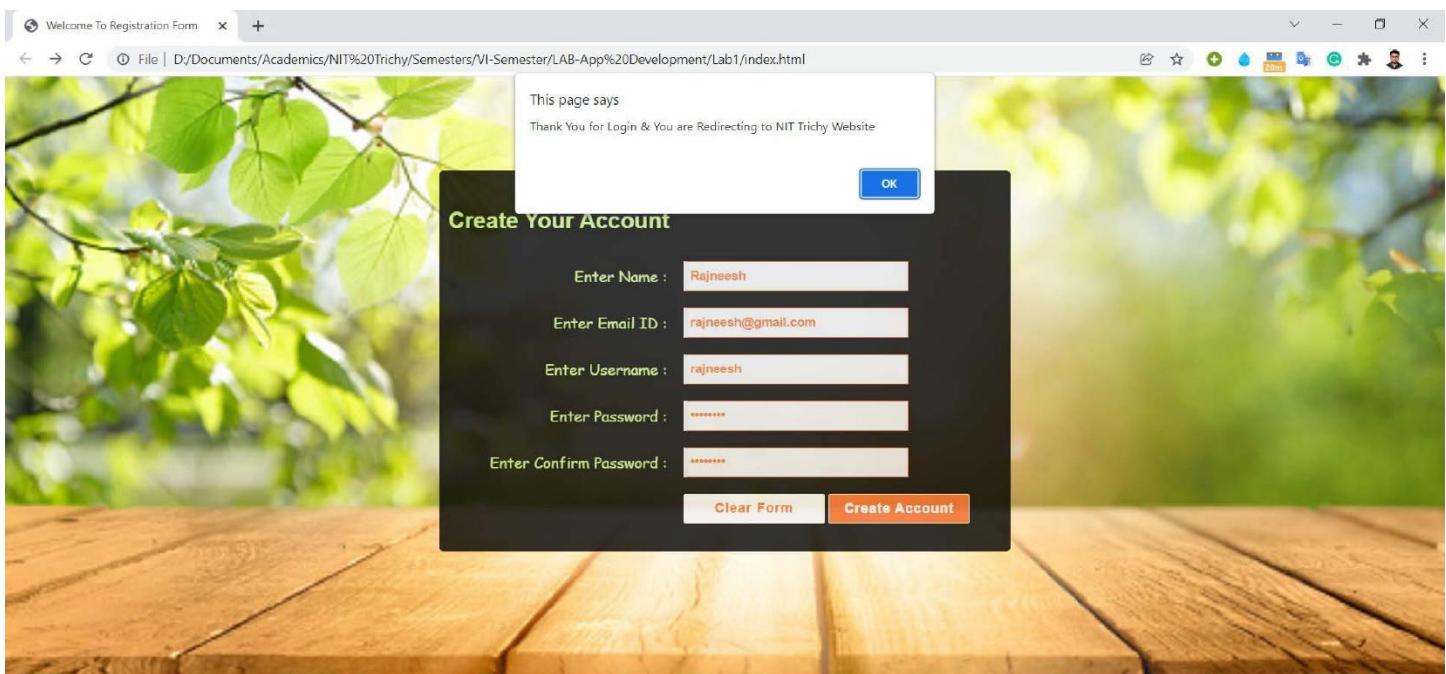
HTML, CSS, JavaScript

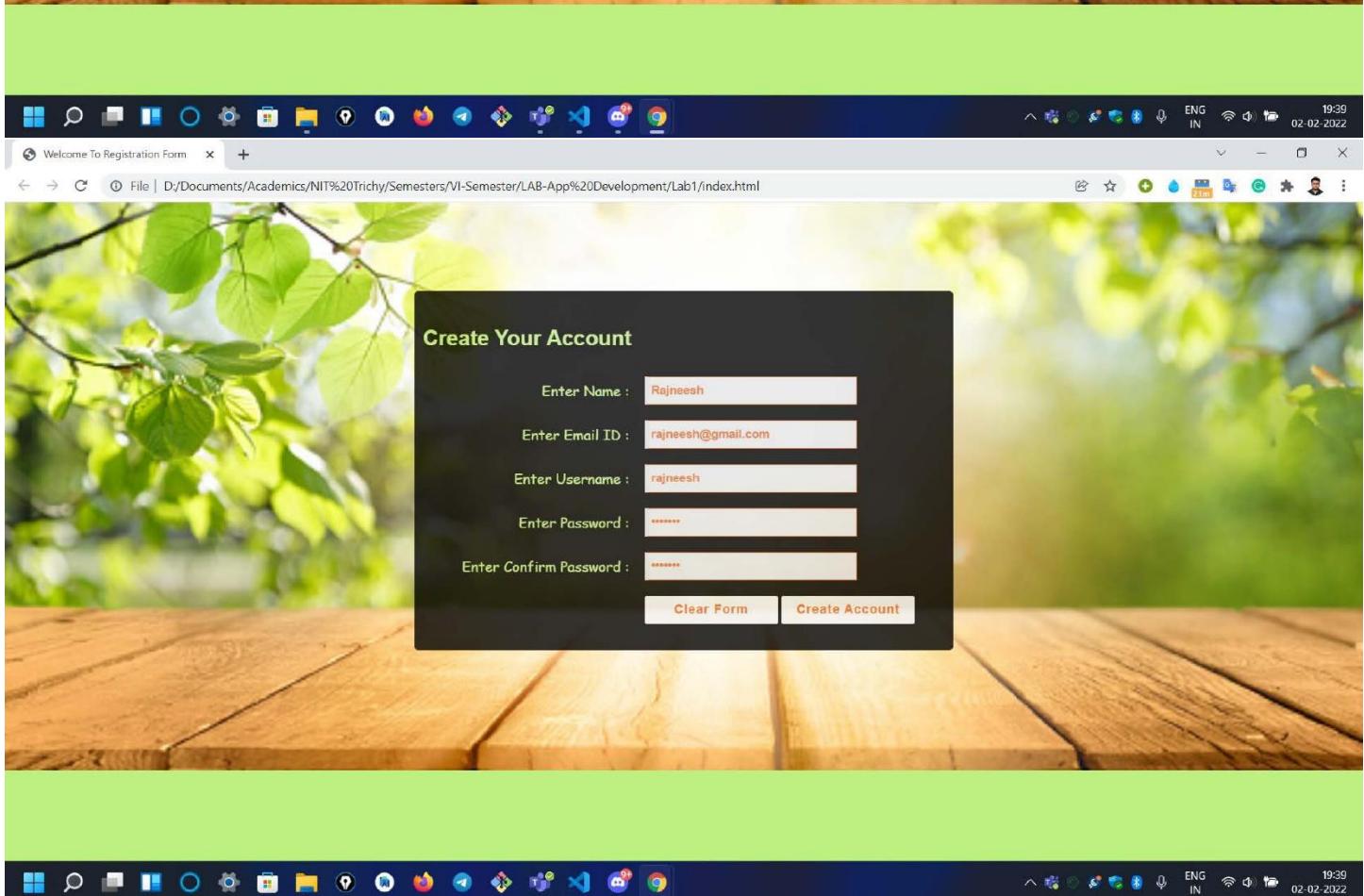
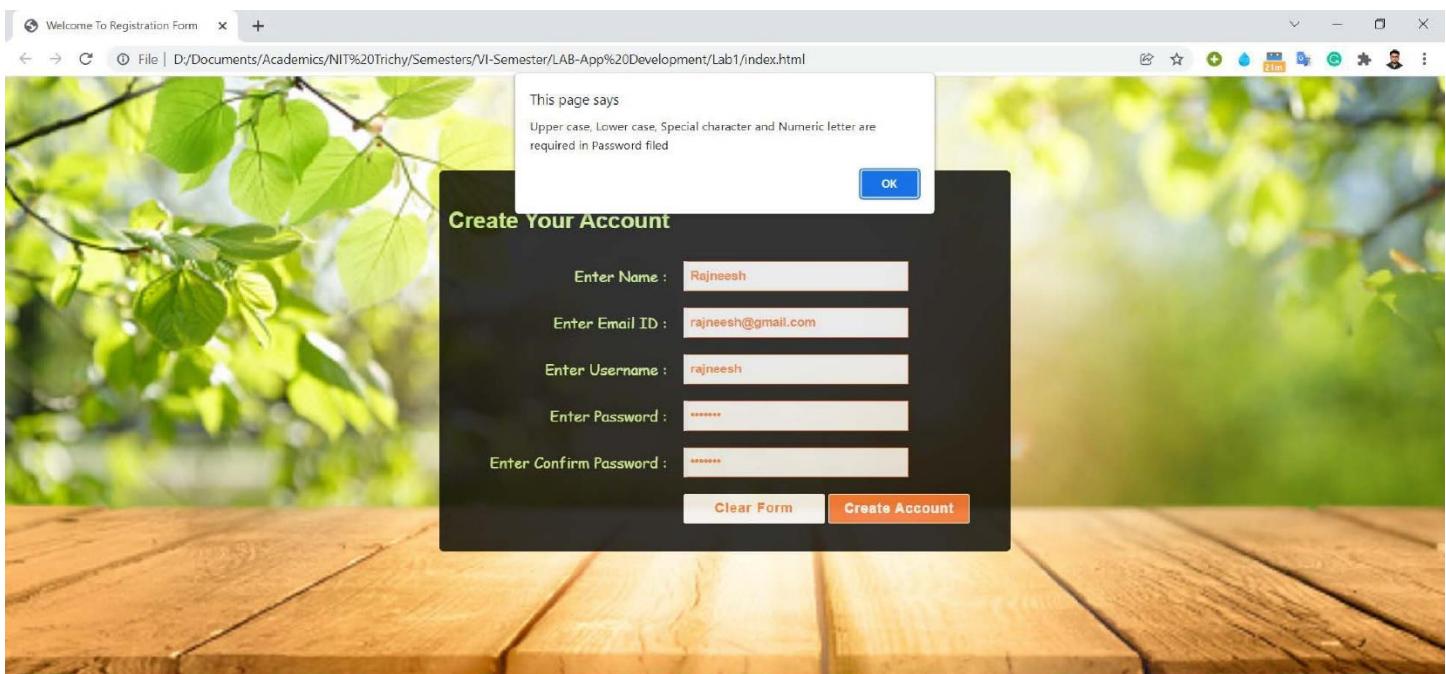
Code Link

https://drive.google.com/drive/folders/1UDCQhPfc_Mv-1wWJff0iQNBgxh_kvurQ?usp=sharing

Screenshots of Application







Problem statement

Experiment-2

Due February 2, 2022 11:59 PM • Closes February 4, 2022 11:59 PM

Points
No points

Instructions

Write programs in Java using Servlets: (i) To invoke servlets from HTML forms; (ii) Session tracking using hidden form fields and Session tracking for a hit count.

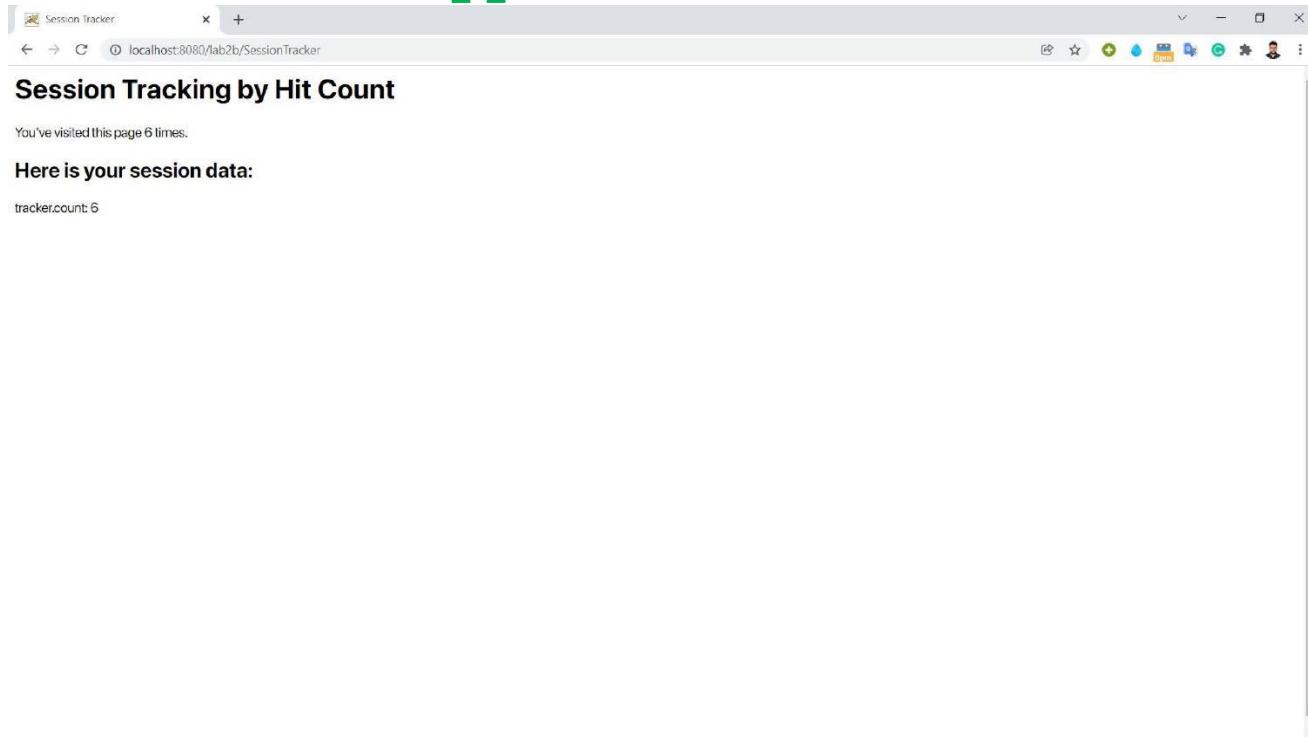
Tools/Programming Languages Used

Java , Servlets, HTML

Code Link

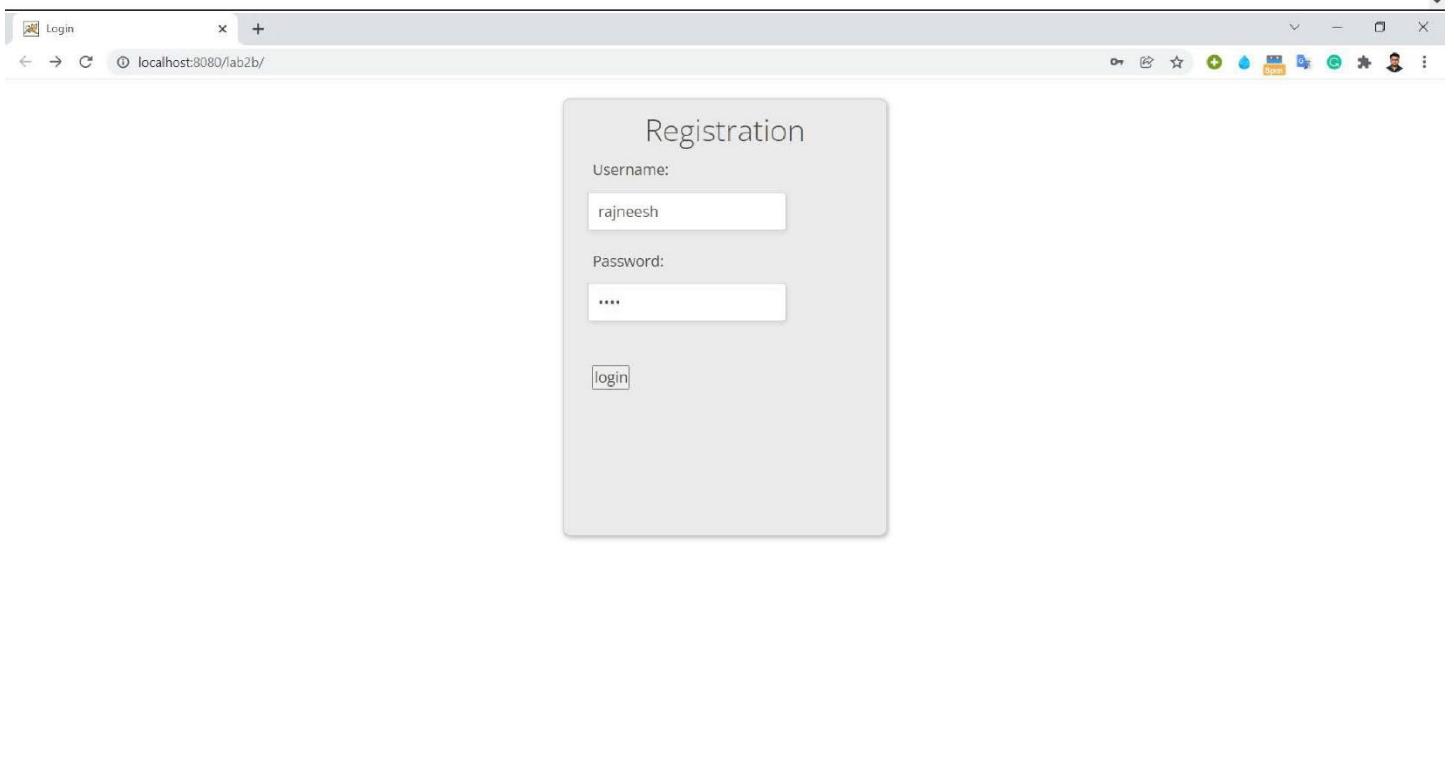
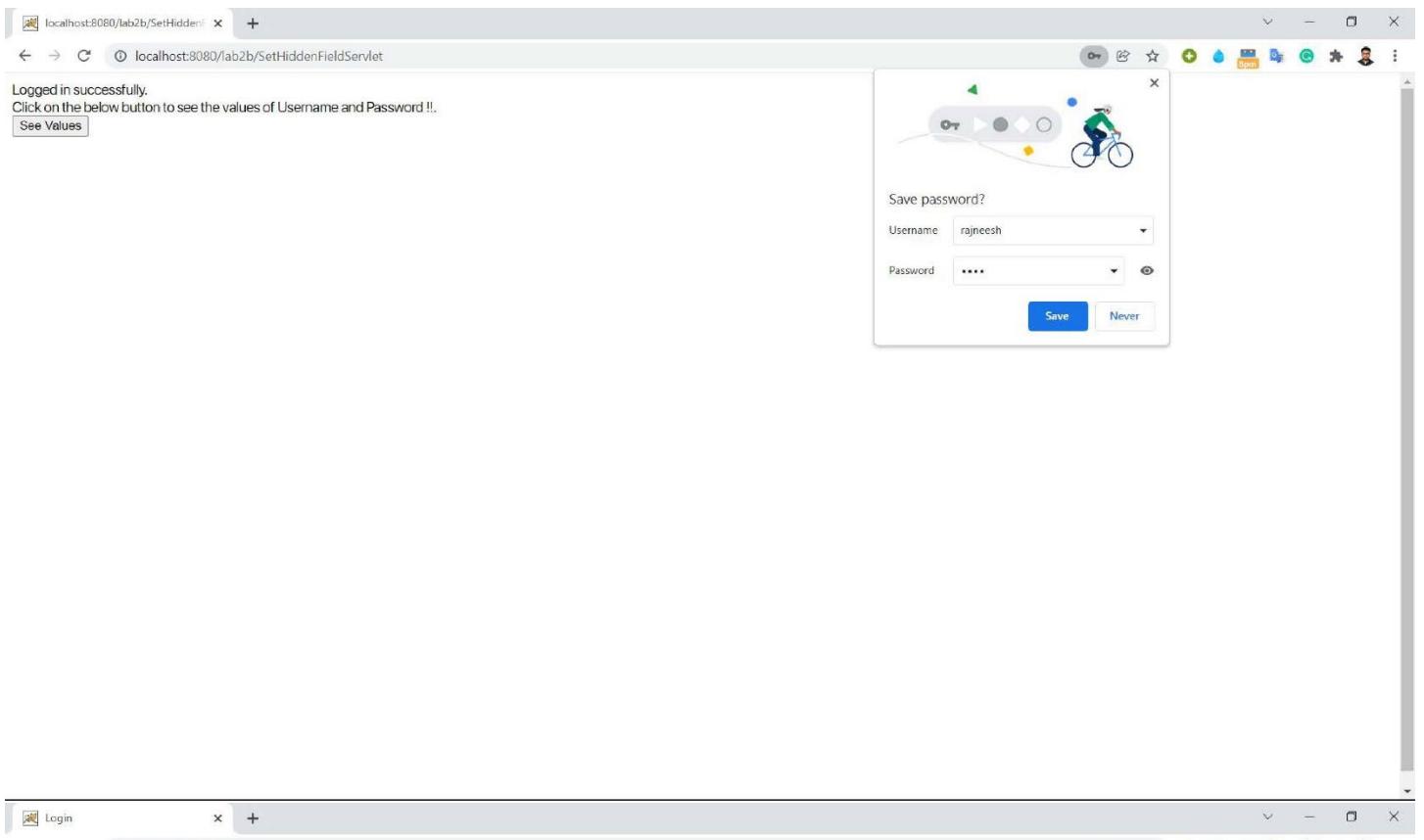
<https://drive.google.com/drive/folders/1JX6OnbGS4ipC1GDTUtRWQ0FcU0dtfdh3?usp=sharing>

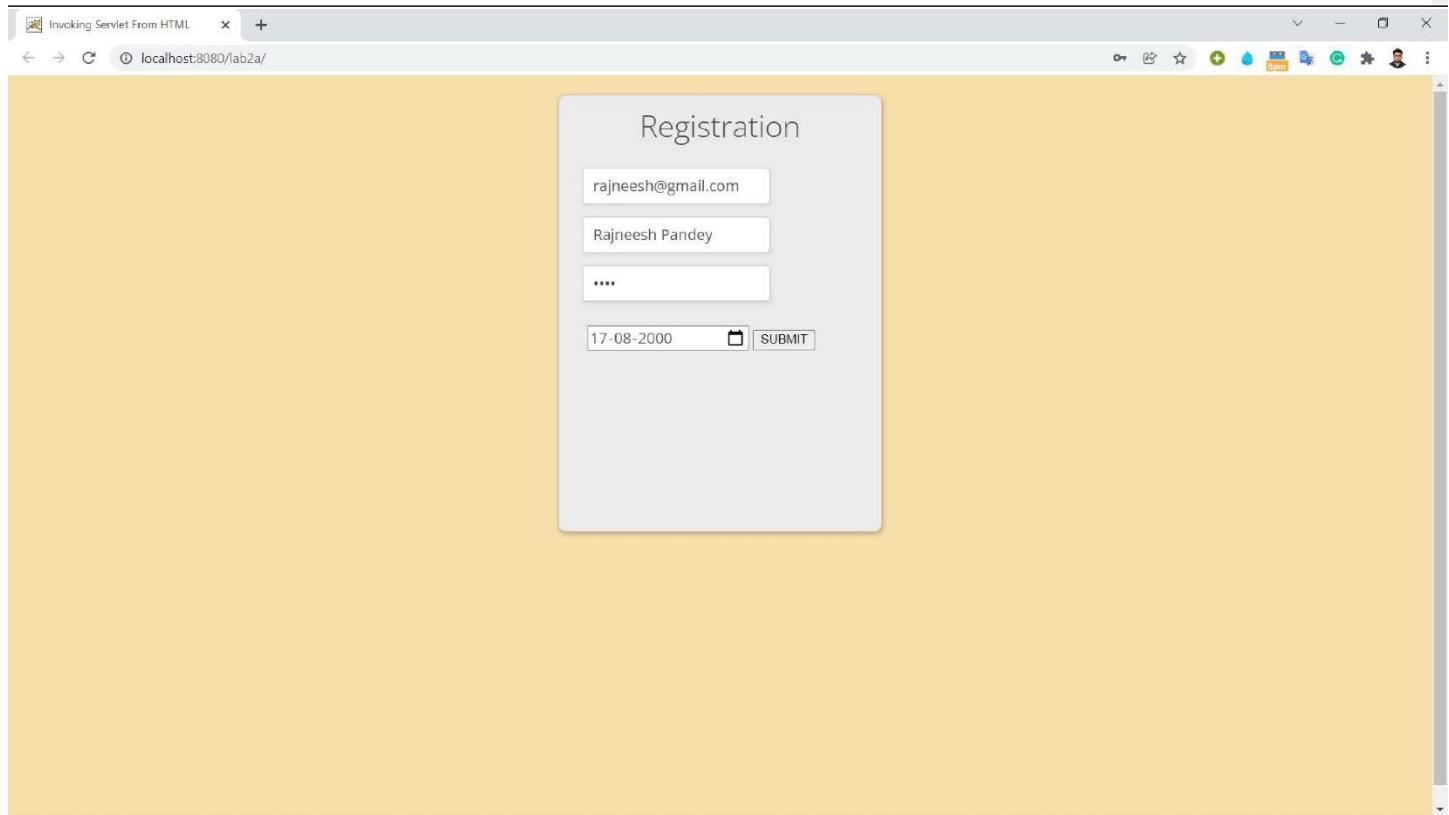
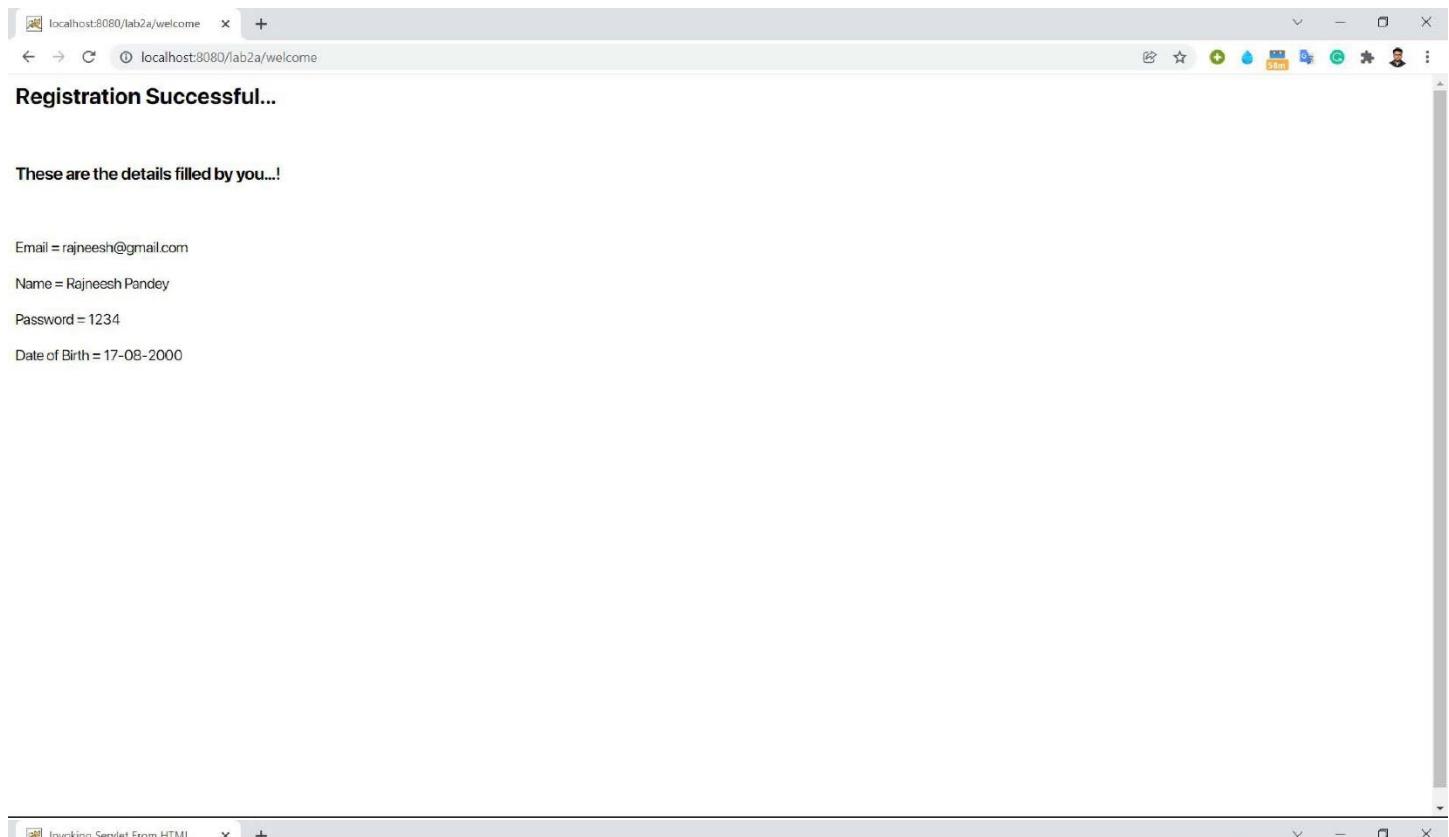
Screenshots of Application



A screenshot of a Microsoft Edge browser window titled "Session Tracker". The URL is "localhost:8080/lab2b/SessionTracker". The page content displays the message "You've visited this page 1 time." followed by "Here is your session data:" and "tracker.count: 1".

A screenshot of a Microsoft Edge browser window titled "localhost:8080/lab2b/GetHidden". The URL is "localhost:8080/lab2b/GetHiddenFieldServlet". The page content displays the message "Username: rajneesh" and "Password: 1234".





Date : 13/02/2022

Lab 3

Problem statement

Experiment-3

Due February 13, 2022 11:59 PM • Closes February 13, 2022 11:59 PM

Instructions

Create three-tier applications using JSP for conducting on-line examination for displaying student mark list. Assume that student information is available in a database which has been stored in a database server.

Tools/Programming Languages Used

Java , JSP , Microsoft Access (Databases)

Code Link

https://drive.google.com/drive/folders/1J5onahJVhhw1Q9_5vVHU9Zp7BU8DD7aa?usp=sharing

Screenshots of Application

Student Marks List

localhost:8080/examples/jsp/lab3/exam.jsp

Students Marksheet

Name of the College : NIT Trichy

Seat Number	Student Name	Obtained Marks
5	Rajneesh Pandey	10

Date: Sun Feb 13 23:19:51 IST 2022
[Click here to go back](#)

Online Examination

localhost:8080/examples/jsp/lab3/exam.jsp

OnLine Examination

Seat Number:

Name:

Total Marks:25 (Each question carries equal marks and No negative marking) Total Time: 10 Min.

1. The Second Generation Computer used....
 Transistors Integrated circuit

2. Who among the following has designed the Erlang programming language?
 Guido van Rossum Joe Armstrong

3. Tim-Berner Lee is the originator of Java.
 True False

4. JPG is not a video file extension.
 True False

5. Who among the following had first invented microchip?
 Ronald Rider Jack Kilby

Date : 20/02/2022

Lab 4

Problem statement

Experiment-4

Due February 20, 2022 11:59 PM • Closes February 20, 2022 11:59 PM

Instructions

Create a database with user information and books information and create a webpage in which books catalogue should be dynamically loaded from the database using AJAX

Tools/Programming Languages Used

AJAX, Microsoft Access (Databases)

Code Link

<https://drive.google.com/drive/folders/1ICCw0wSp304RFoQkppLxU5HAhDU6sYC3?usp=sharing>

Screenshots of Application

bookDB : Database - D:\Documents\Academics\NIT Trichy\Semesters\VI-Semester\LAB-App Development\Lab\bookDB.accdb (Access 2007 - 2016 file format) - Access

RAJNEESH PANDEY RP

File Home Create External Data Database Tools Help Table Fields Table

Sort & Filter

Records

Text Formatting

All Access ...

Tables

- books
- details
- login**

name address phoneno loginid password

Rajneesh Pandey	Q.no. 32, Central Printing Press, BSF Academy, Tekanpur, A7500 5, Gwalior, Madhya Pradesh.	8290968008	rajneesh	1234	Click to Add
-----------------	--	------------	----------	------	---------------------

Datasheet View

Record: 1 of 1

No Filter | Search

bookDB : Database - D:\Documents\Academics\NIT Trichy\Semesters\VI-Semester\LAB-App Development\Lab\bookDB.accdb (Access 2007 - 2016 file format) - Access

RAJNEESH PANDEY RP

File Home Create External Data Database Tools Help Table Fields Table

Sort & Filter

Records

Text Formatting

All Access ...

Tables

- books
- details**
- login

ID loginid title amount cardno

7 rajneesh	Madame Bovar	600	12345678	Click to Add
*	(New)			

Datasheet View

Record: 1 of 2

No Filter | Search

bookDB : Database - D:\Documents\Academics\NIT Trichy\Semesters\VI-Semester\LAB-App Development\Lab\bookDB.accdb (Access 2007 - 2016 file format) - Access

RAJNEESH PANDEY RP

File Home Create External Data Database Tools Help Table Fields Table

Records

Text Formatting

Find

Sort & Filter

Clipboard

All Access ...

Tables

books

details

login

book

title	author	version	cost	publisher
War and Peace	Leo Tolstoy	10.0	100	Bertelsmann
The Great Gatsl	F. Scott Fitzgerald	1.1	150	Hachette Livre
Lolita	Vladimir Nabokov	2.0	125	Grupo Planeta
Book	Rajneesh	1.0	300	Pandey
Anna Karenina	Leo Tolstoy	1.0	180	Pearson
Madame Bovar	Gustave Flaubert	4.2	200	RELX Group

Record: 4 7 of 7 No Filter Search

Welcome to Order

localhost:8080/lab4/order.html

ID :

PASSWORD :

TITLE:

NO. OF BOOKS :

DATE:

CARD NUMBER :

Order

Clear

AMOUNT in dollars(\$).600

YOUR ORDER has taken

Welcome to Order +

localhost:8080/lab4/order.html

Order your book

ID :

PASSWORD :

TITLE:

NO. OF BOOKS :

DATE:

CARD NUMBER :

Welcome to Catalog +

localhost:8080/lab4/catalog.html

Catalog

BOOK TITLE :

TITLE:Anna Karenina
AUTHOR :Leo Tolstoy
VERSION:1.0
COST:180
PUBLISHER :Pearson

Welcome to Catalog

localhost:8080/lab4/catalog.html

Catalog

BOOK TITLE :

View

Clear

Welcome to Profile

localhost:8080/lab4/profile.html

LOGIN ID :

Login

Clear

Welcome rajneesh

NAME :Rajneesh Pandey
ADDRESS:Q.no.-32, Central Printing Press, BSF Academy, Tekanpur,475005, Gwalior, Madhya Pradesh.
PHONE NO:8290968008

Welcome to Profile

localhost:8080/lab4/profile.html

LOGIN ID :

Welcome to login

localhost:8080/lab4/login.html

Login

Username:

Password:

VALID LOGIN ID

- [USER PROFILE](#)
- [BOOKS CATALOG](#)
- [ORDER CONFIRMATION](#)

Welcome to login.

localhost:8080/lab4/login.html

Login

Username:
rajneesh

Password:
....

Welcome to Registration

localhost:8080/lab4/registration.html

Register

NAME:	Rajneesh Pandey
ADDRESS:	Q no.-32, Central Printing P
CONTACT NUMBER:	8290968008
LOGINID:	rajneesh
PASSWORD:

YOUR DETAILS ARE ENTERED

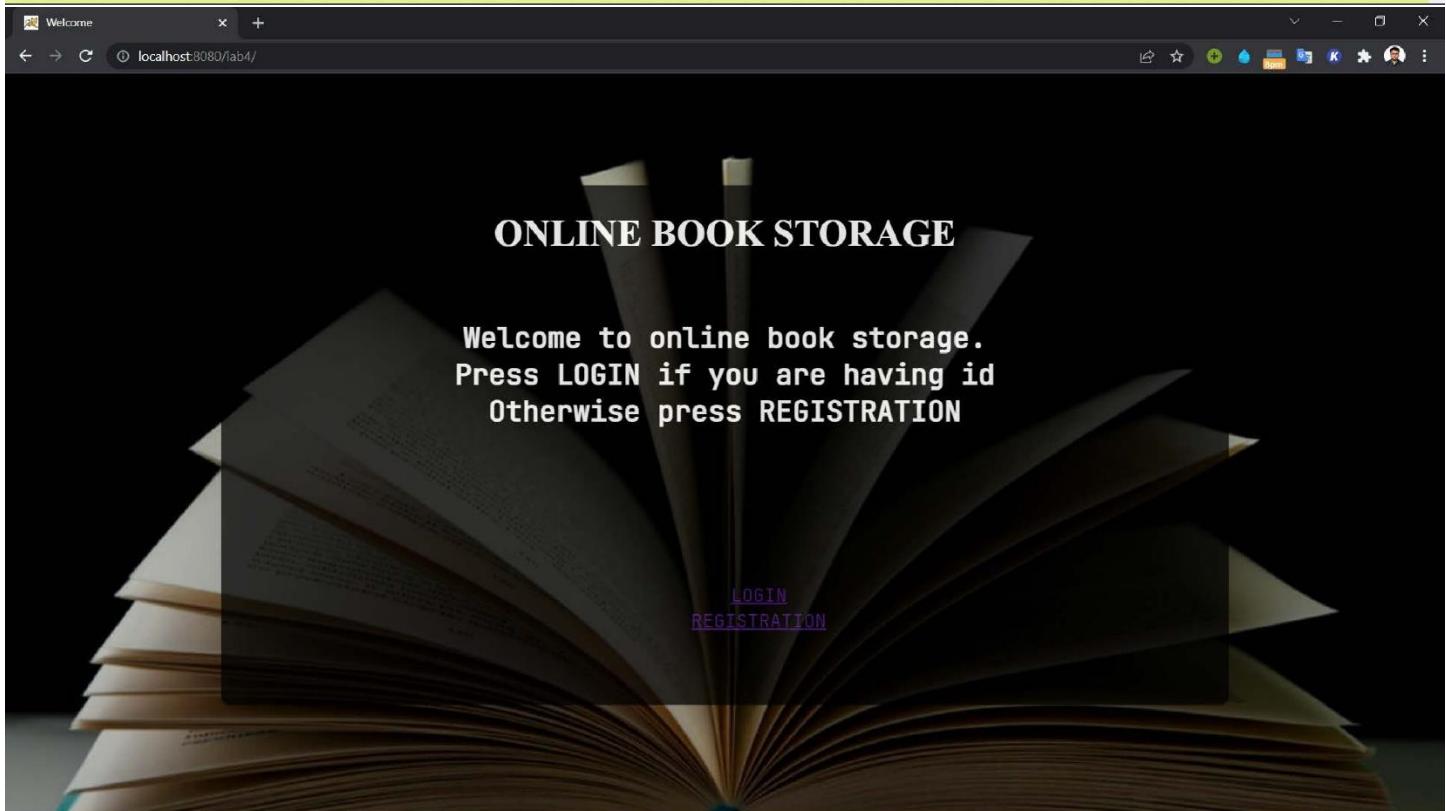
[press LOGIN to login](#)

Welcome to Registration

localhost:8080/lab4/registration.html

Register

NAME:	Rajneesh Pandey
ADDRESS:	Q.no.-32, Central Printing P
CONTACT NUMBER:	8290968008
LOGINID:	rajneesh
PASSWORD:



Date : 06/03/2022

Lab 5

Problem statement

Experiment-5

Due March 6, 2022 11:59 PM • Closes March 6, 2022 11:59 PM

Instructions

Create and save an XML document at the server, which contains 10 users Information. Write a Program, which takes user Id as an input and returns the User details by taking the user information from the XML document.

Tools/Programming Languages Used

XML, HTML, python server

Code Link

<https://drive.google.com/drive/folders/1ZvvUFqbXw4aUJvxS-2RriNgqNQd4G2Ls?usp=sharing>

Screenshots of Application

Id	Name	Address	Phone	Email
usr06	P Kalpana	KOTI	968875554	P Kalpana@yahoo.com

Date : 16/03/2022

Lab 6

Problem statement

Experiment-6

Due March 16, 2022 11:59 PM • Closes March 16, 2022 11:59 PM

Instructions

Develop email verification application using PHP

Tools/Programming Languages Used

PHP, MySQL, Xampp, phpMailer, CSS

Code Link

<https://drive.google.com/drive/folders/1R-zW7sRFcYykbSq8cKiDAi3HIX-OlsVH?usp=sharing>

Screenshots of Application

localhost / 127.0.0.1 / lab6db / +

localhost/phpmyadmin/index.php?route=/sql&db=lab6db&table=usertable&pos=0

Server: 127.0.0.1 » Database: lab6db » Table: usertable

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 0 (1 total). Query took 0.0014 seconds.

SELECT * FROM `usertable`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

+ Options ↵ ↶ id name email password code status

Edit Copy Delete Rajneesh Pandey rajneeshpandey1708@gmail.com \$2y\$10\$LfcjqXuDYL2CppB5tikRF.ZovPQ/zmPgHEudw7eoZmX... 0 verified

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Console

localhost / 127.0.0.1 / lab6db | pl +

localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=lab6db

Server: 127.0.0.1 » Database: lab6db

Structure SQL Search Query Export Import Operations Privileges Routines More

Filters Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
usertable	<input type="checkbox"/> Browse <input type="checkbox"/> Structure <input type="checkbox"/> Search <input type="checkbox"/> Insert <input type="checkbox"/> Empty <input type="checkbox"/> Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
	1 table Sum					
	<input type="checkbox"/> Check all With selected: <input type="checkbox"/>					

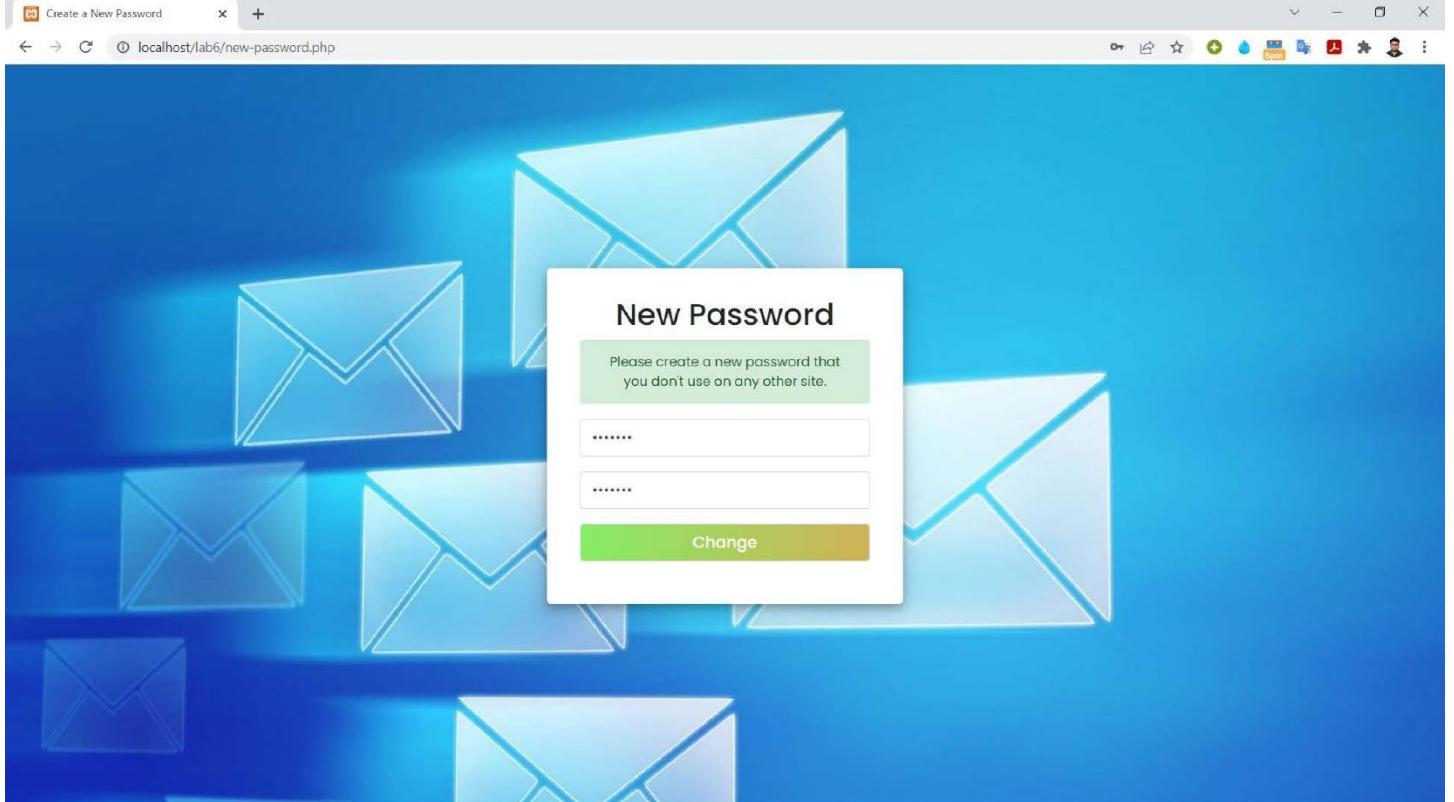
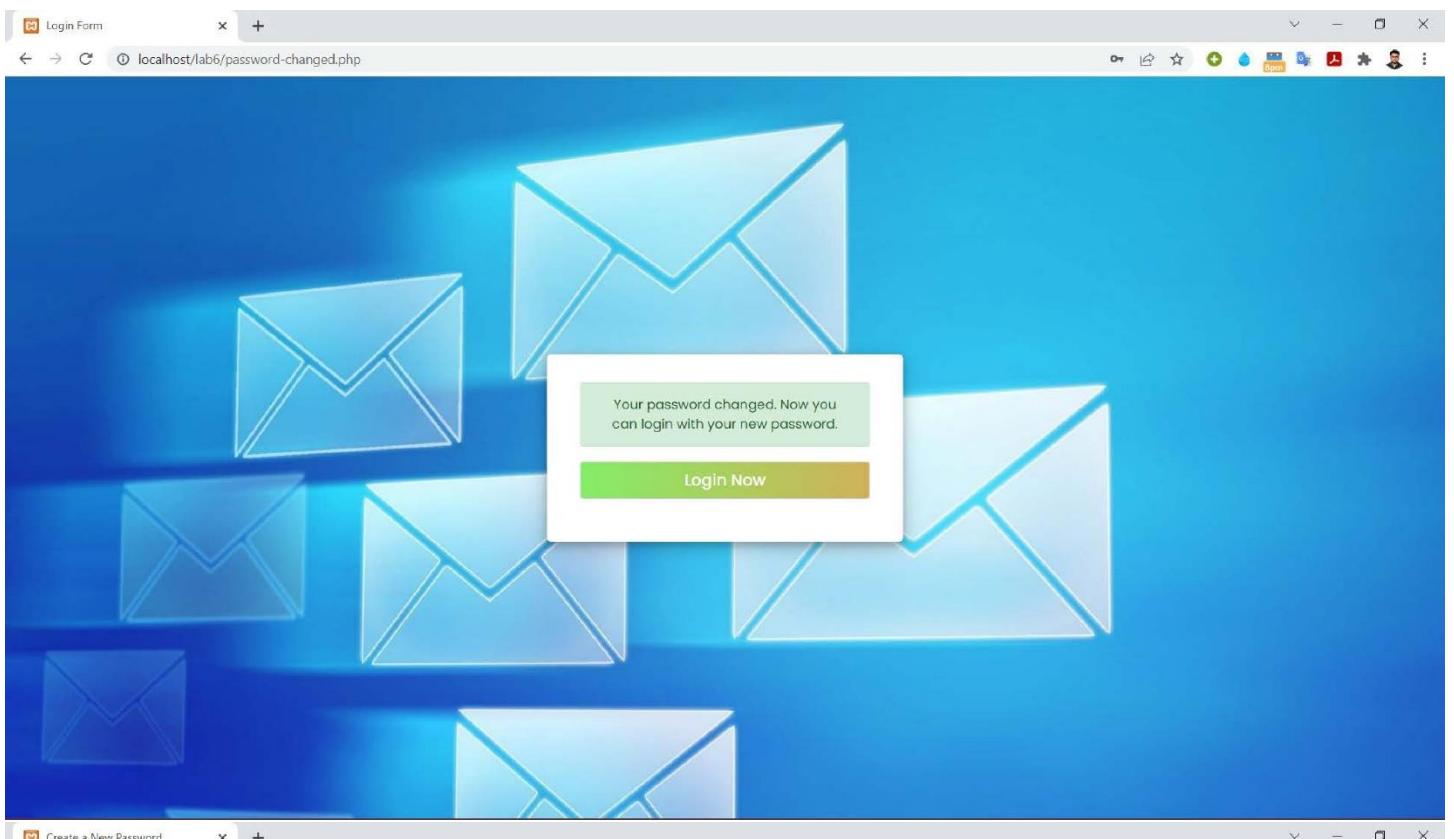
Print Data dictionary

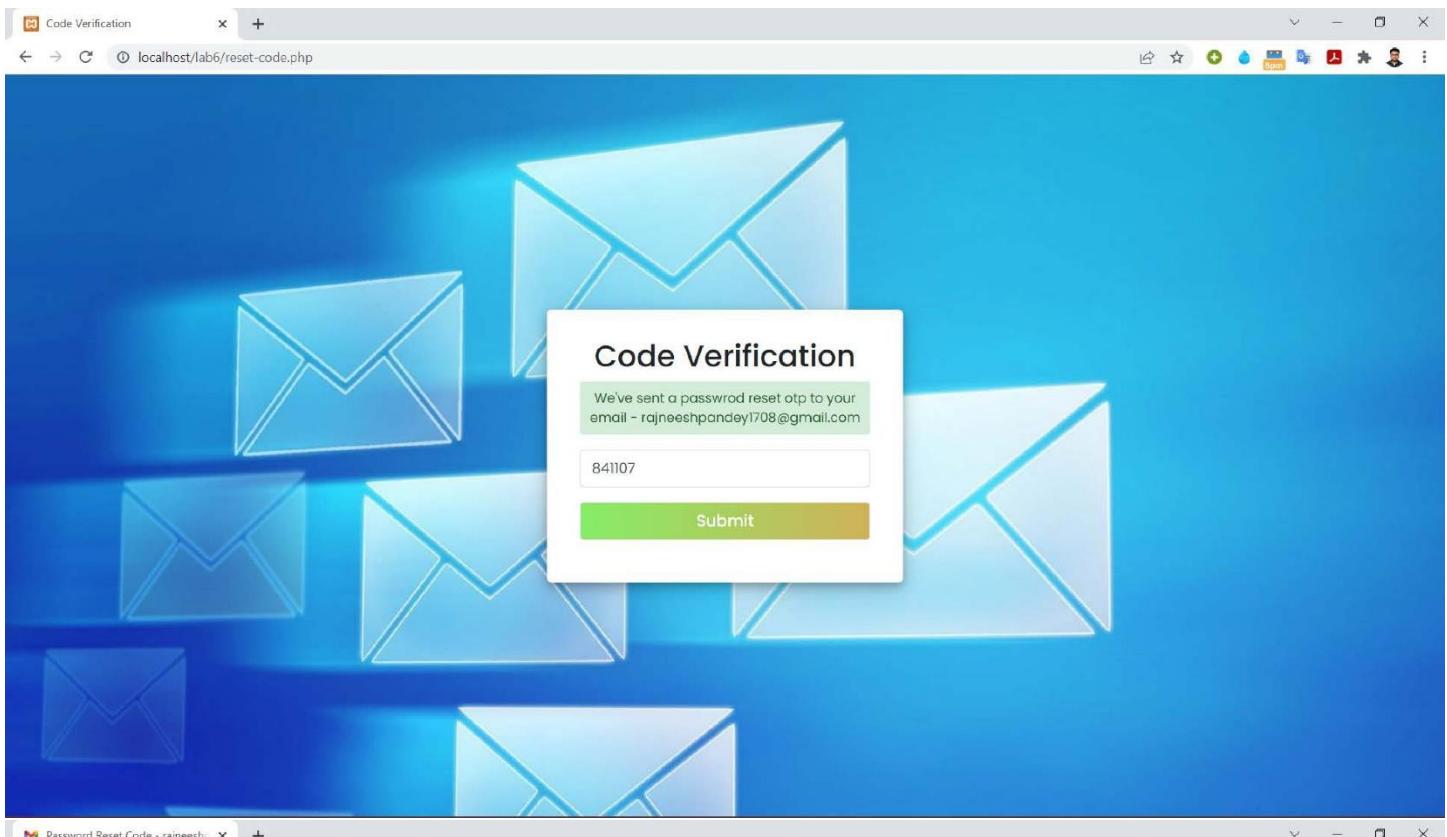
Create table

Name: Number of columns: 4

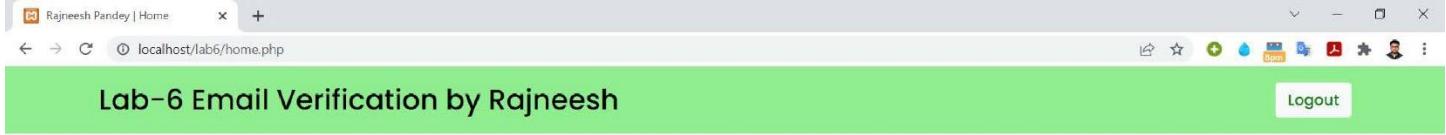
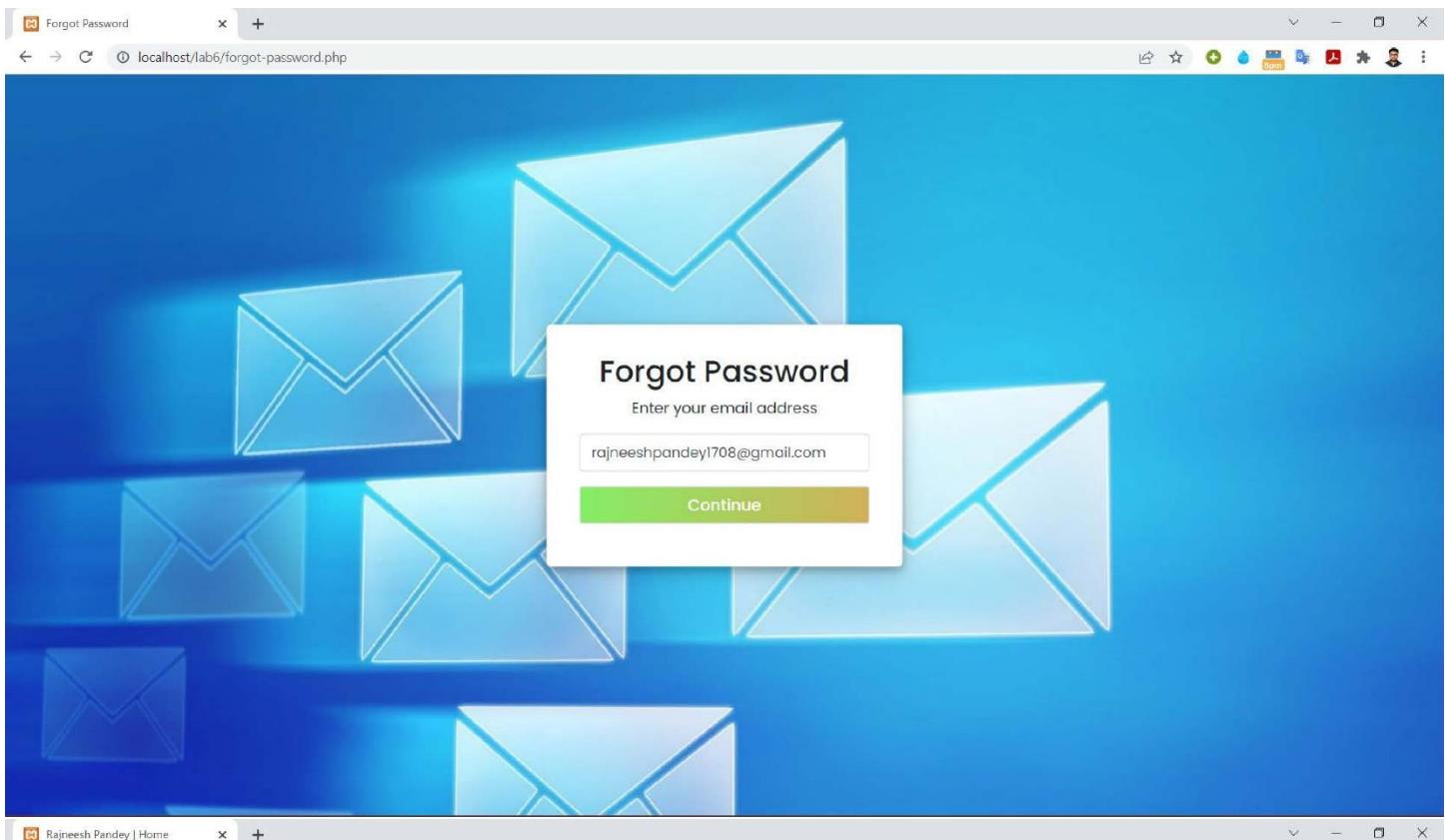
Go

Console

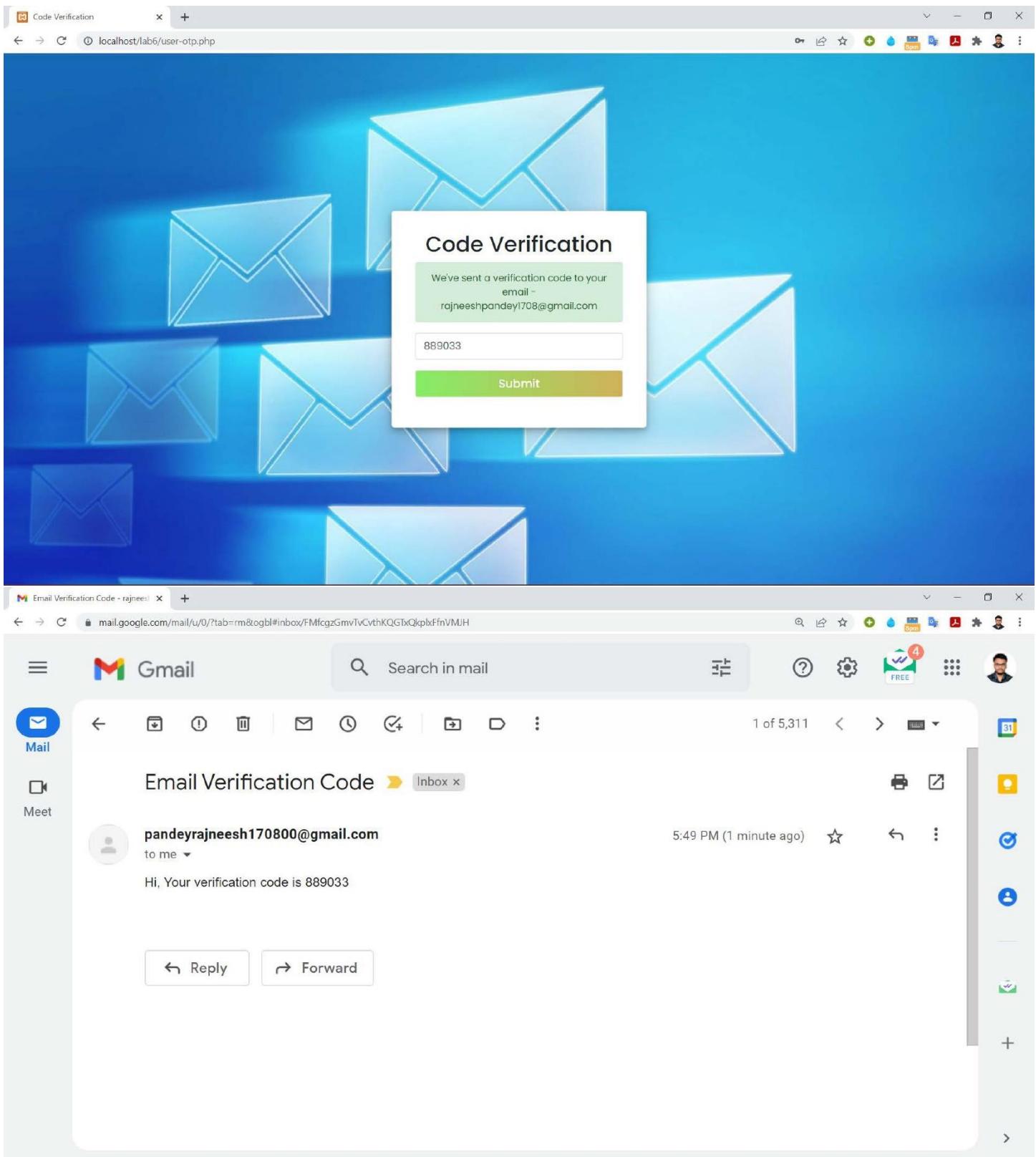




A screenshot of a Gmail inbox. The top navigation bar shows the URL as mail.google.com/mail/u/0/?tab=rm&ogbl#inbox/ FMfcgzGmvTvDGVcsmDFdgsLWQxcrzfTn. The inbox header includes the Gmail logo, a search bar with 'Search in mail', and various settings icons. Below the header is a toolbar with icons for back, forward, reply, etc. The main content area shows an email from 'pandeyrajneesh170800@gmail.com' to the user. The subject is 'Password Reset Code' and the body contains the message: 'Your password reset code is 841107'. At the bottom are 'Reply' and 'Forward' buttons.

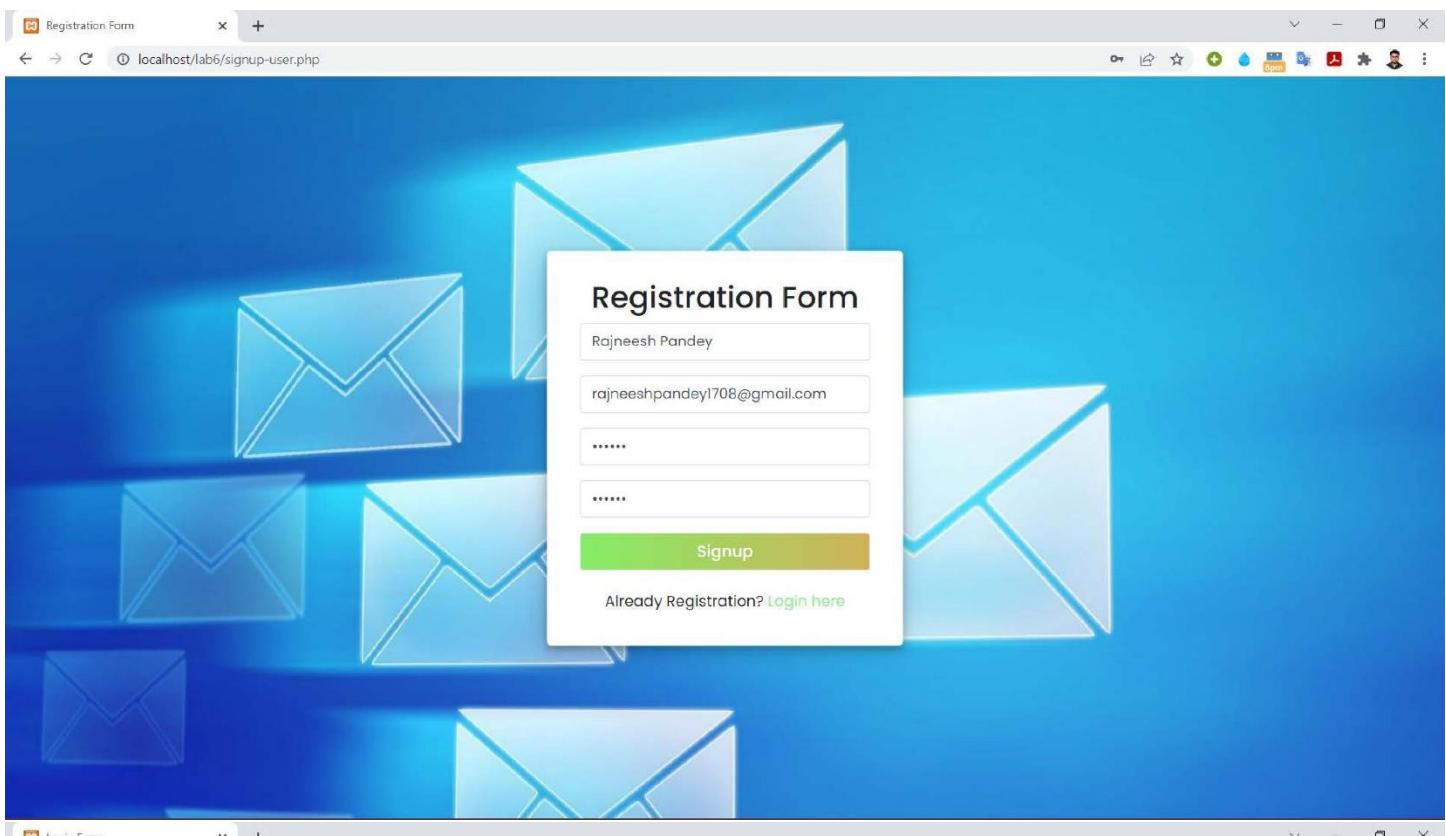


Welcome Rajneesh Pandey, you have successfully created your account and email has also verified.



Registration Form

localhost/lab6/signup-user.php



Registration Form

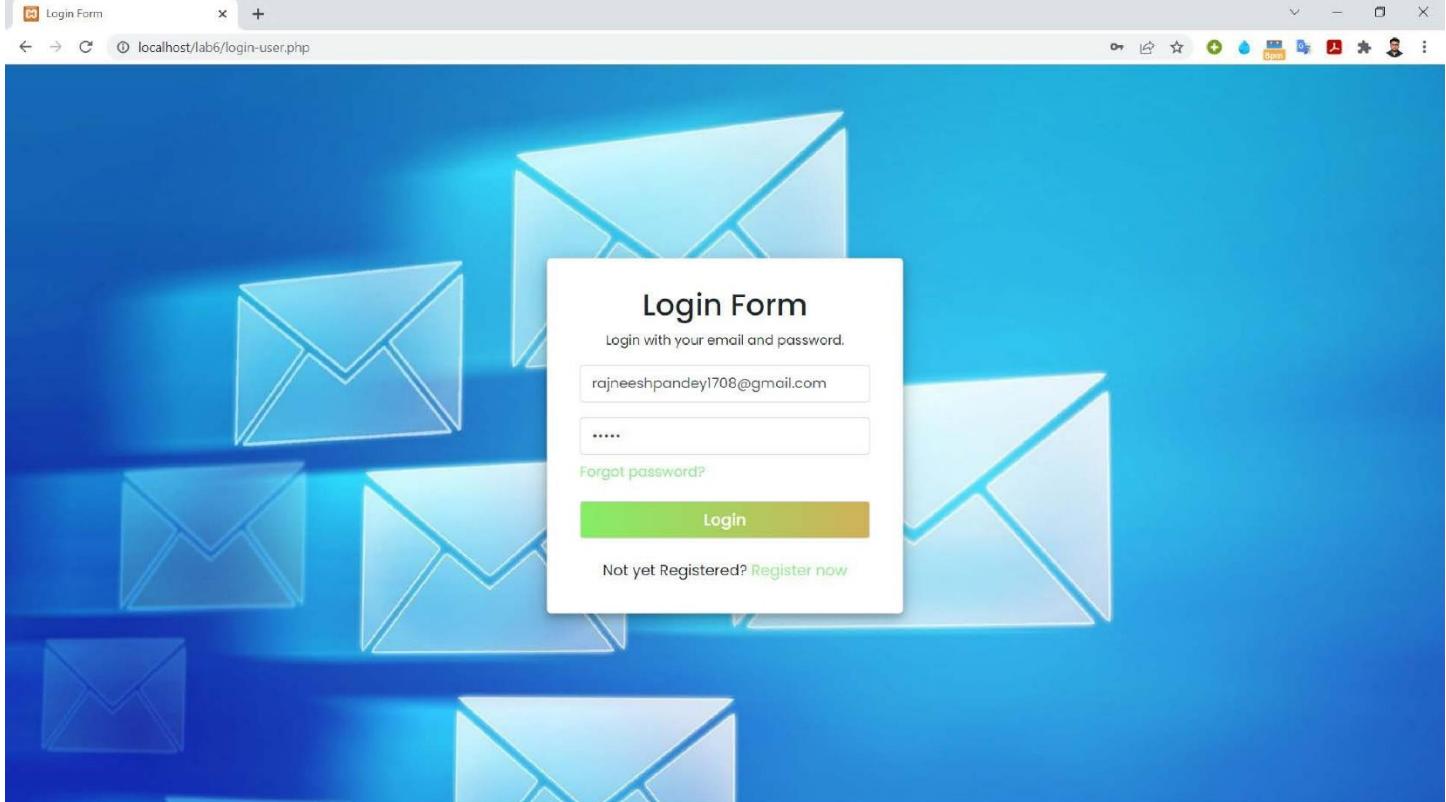
Rajneesh Pandey
rajneeshpandey1708@gmail.com
.....
.....

Signup

Already Registration? [Login here](#)

Login Form

localhost/lab6/login-user.php



Login Form

Login with your email and password.

rajneeshpandey1708@gmail.com
.....

[Forgot password?](#)

Login

Not yet Registered? [Register now](#)

Problem statement

Experiment- 7

Due April 20, 2022 11:59 PM • Closes April 20, 2022 11:59 PM

Instructions

- Design restaurant data entry form using Table Layout and show different events using activity class.

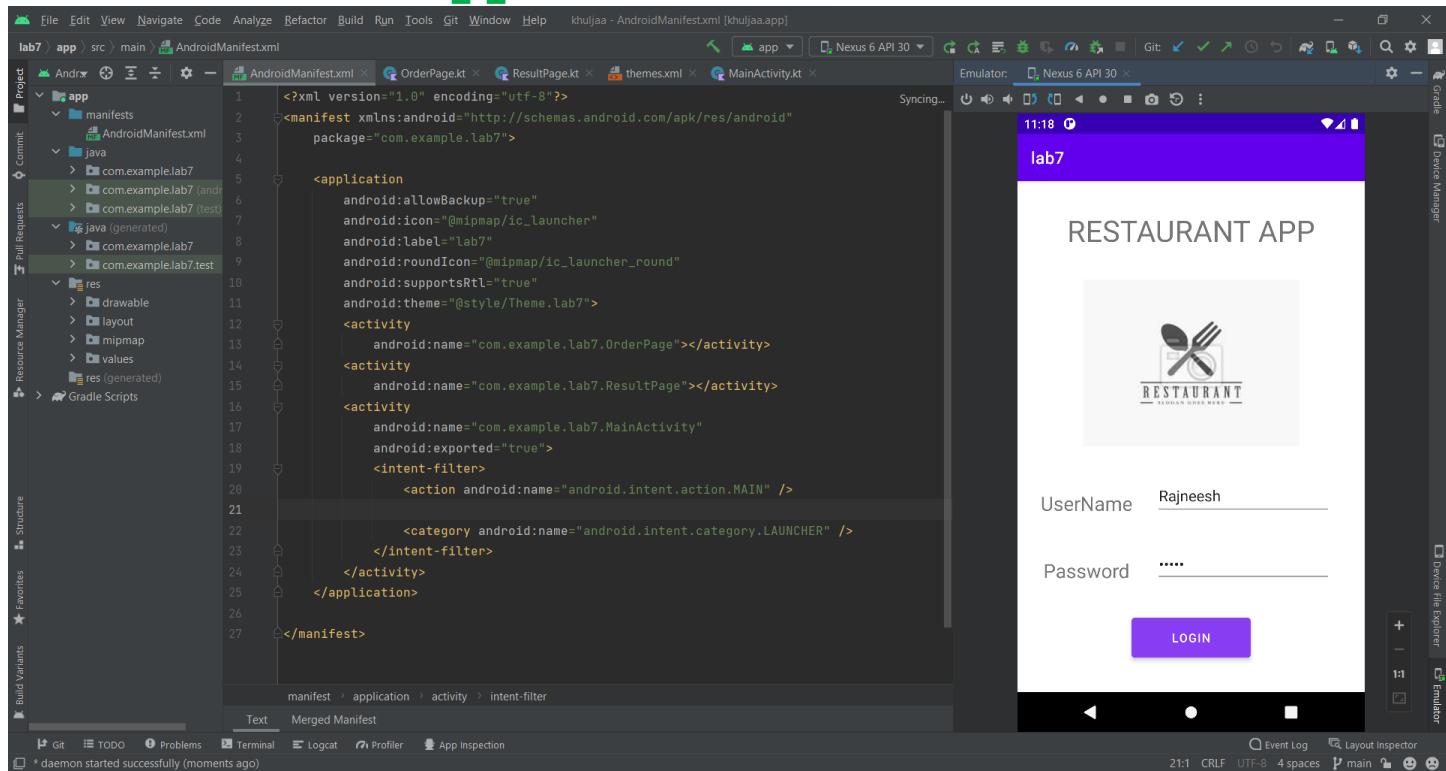
Tools/Programming Languages Used

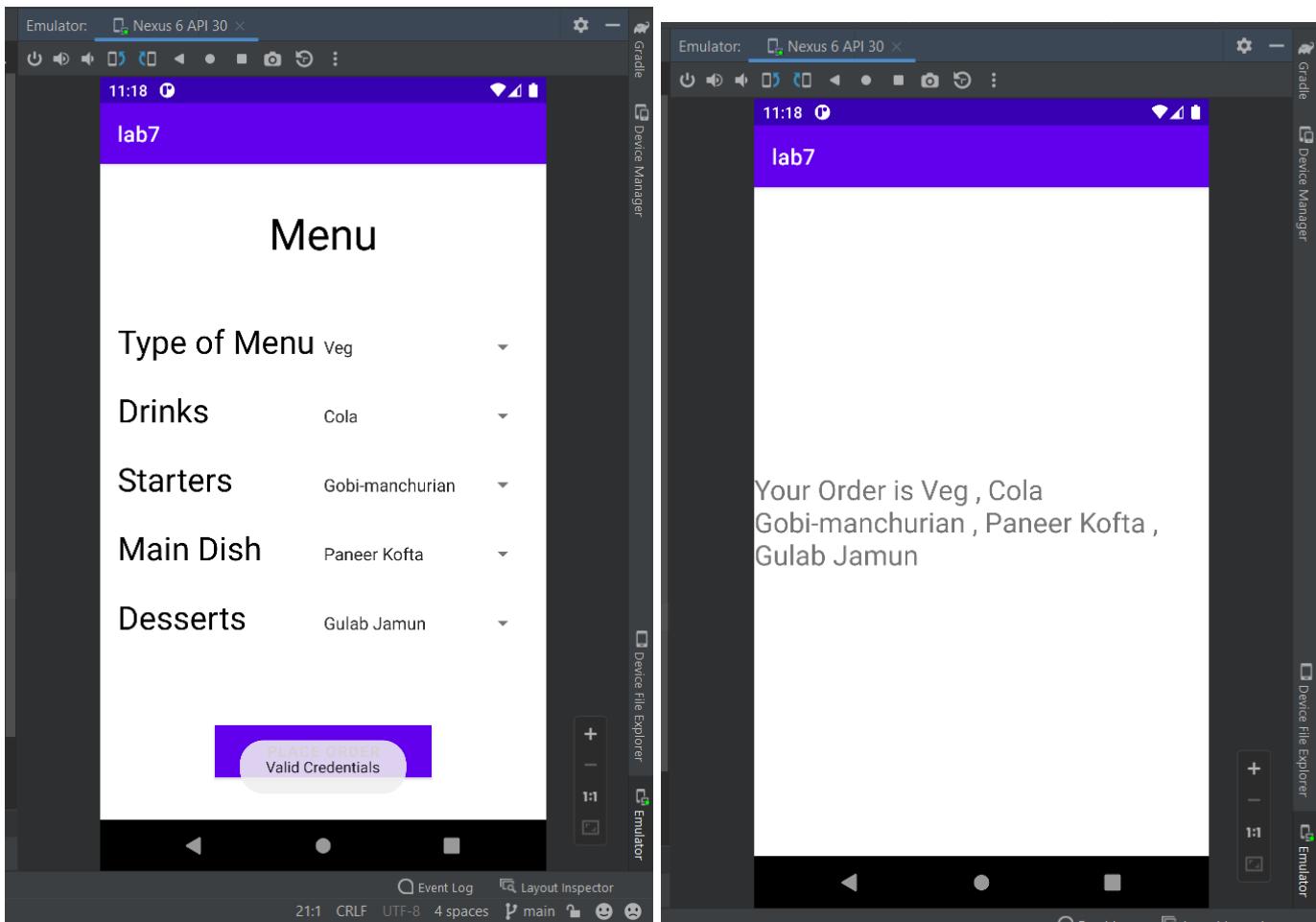
Android Studio, XML Activity Class, Java, Kotlin

Code Link

https://drive.google.com/drive/folders/1NjOTx3dwwy95V7BG5bMXD_2mxRBBKang?usp=sharing

Screenshots of Application





Date : 20/04/2022

Lab 8

Problem statement

Experiment- 8

Due April 20, 2022 11:59 PM

• Closes April 20, 2022 11:59 PM

Instructions

8. Write a program to capture image using built in camera and store it in database.

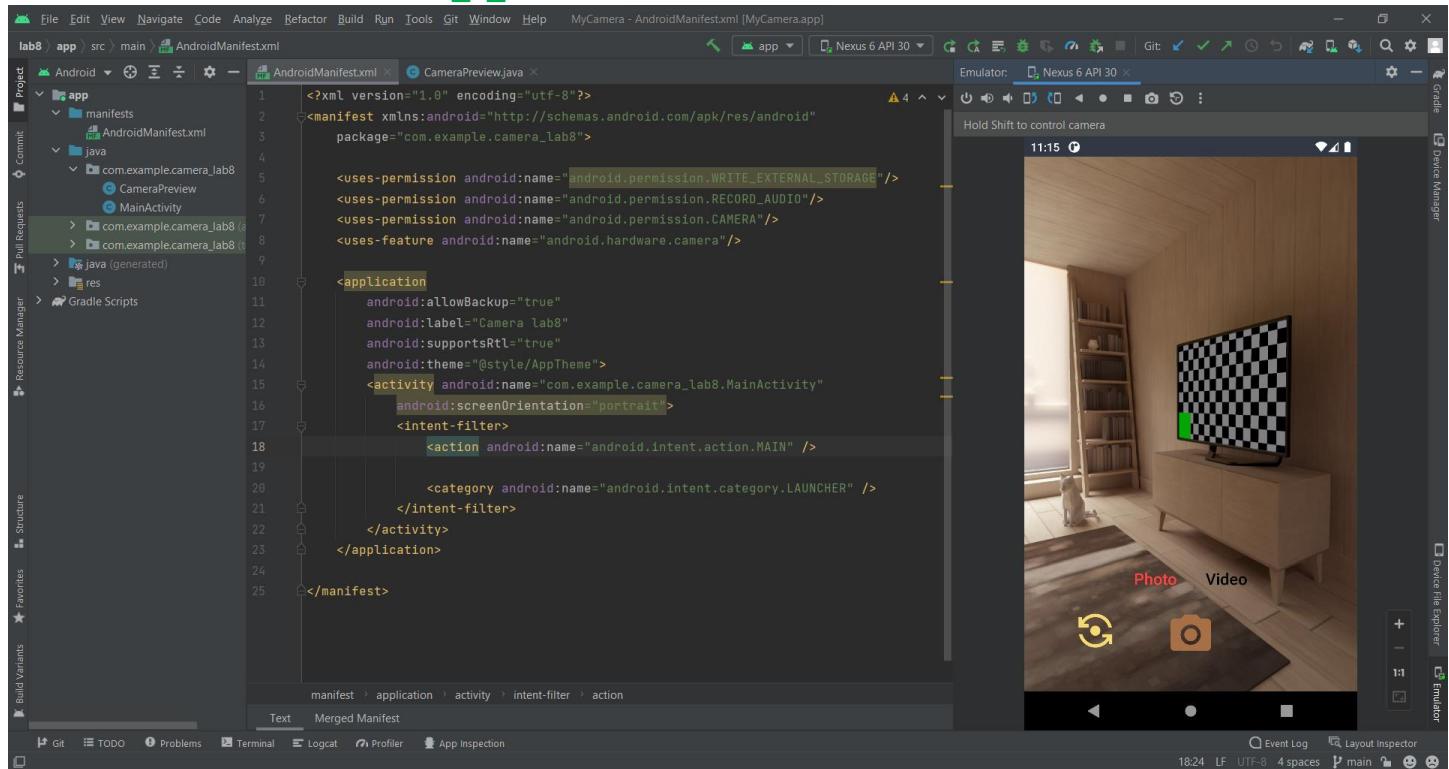
Tools/Programming Languages Used

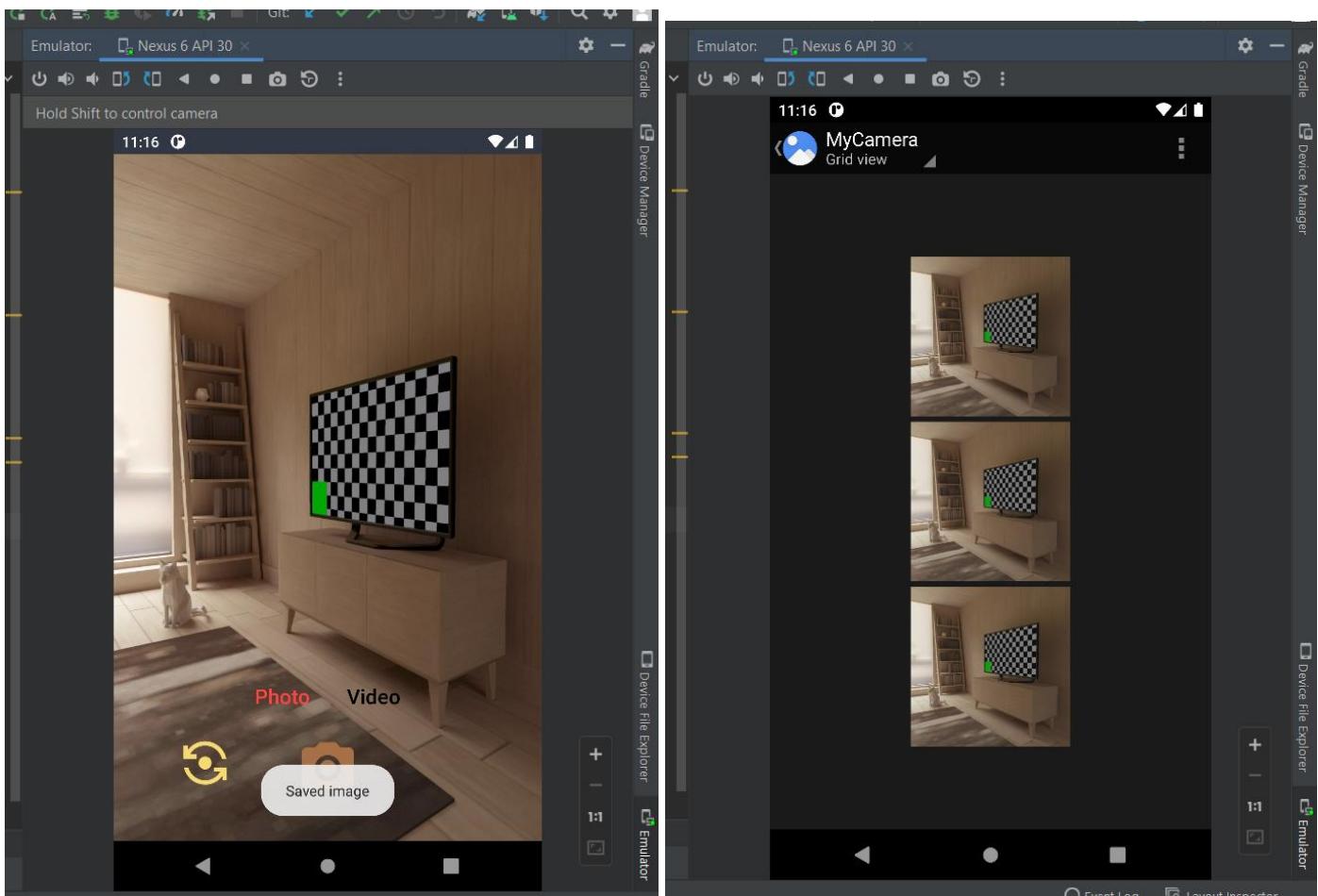
Android Studio, XML Activity Class, Java, Kotlin, Local Storage (Database)

Code Link

https://drive.google.com/drive/folders/1YITg_M056nYjtTVkKtmssYB2kse1p6LC?usp=sharing

Screenshots of Application





Date : 20/04/2022

Lab 9

Problem statement

Experiments - 9

Due April 20, 2022 11:59 PM • Closes April 20, 2022 11:59 PM

Instructions

Ex-09: Develop a banking application that registers the user by verifying OTP.

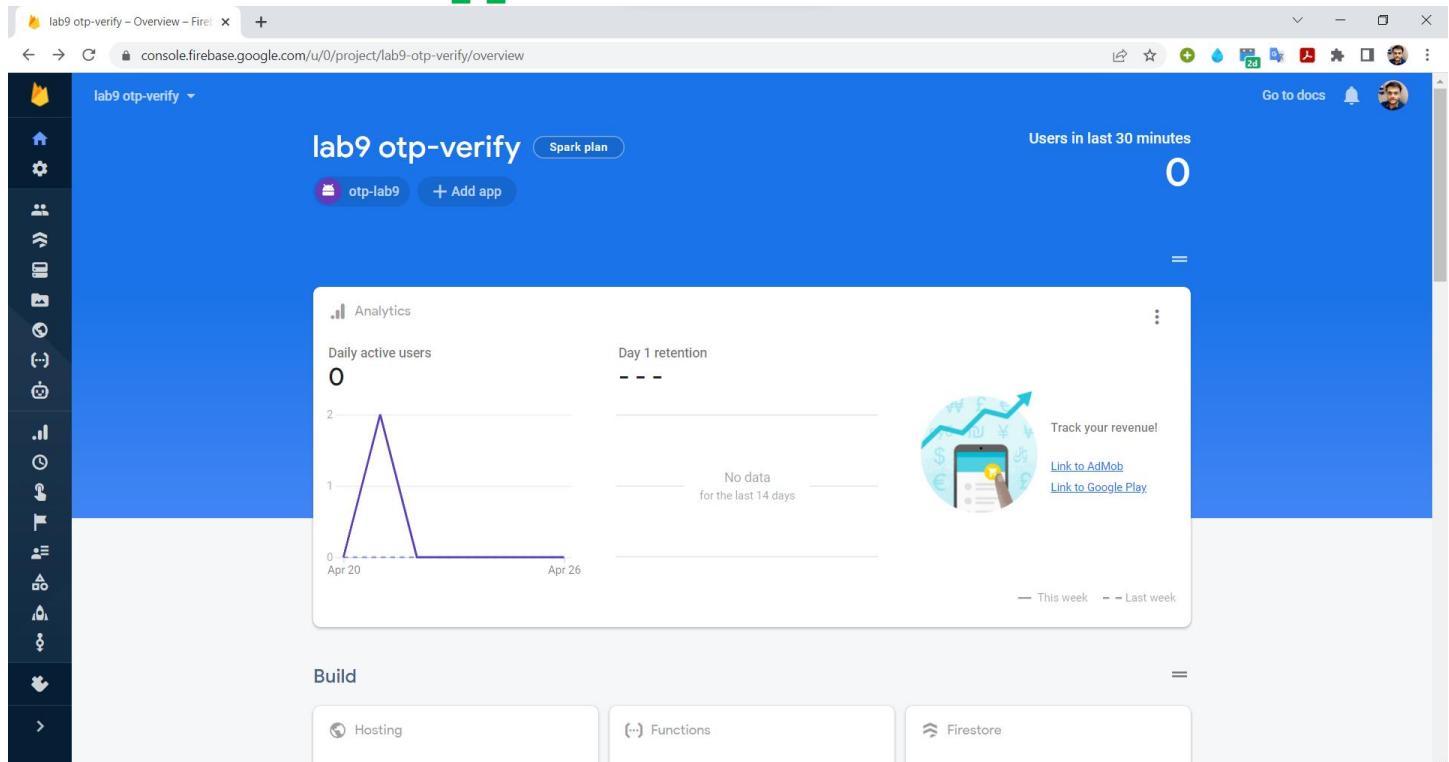
Tools/Programming Languages Used

Android Studio, XML Activity Class, Java, Kotlin, Firebase (Database)

Code Link

<https://drive.google.com/drive/folders/1wp3YxrJk0EsSloJDj1rRje91cCN3dGc3?usp=sharing>

Screenshots of Application



Lab9 otp-verify - Project settings

console.firebaseio.google.com/u/0/project/lab9-otp-verify/settings/general/android:com.example.lab9

Project settings

General Cloud Messaging Integrations Service accounts Data privacy Users and permissions App Check (BETA)

Your project

Project name: lab9 otp-verify

Project ID: lab9-otp-verify

Project number: 325214281569

Default GCP resource location: nam5 (us-central)

Web API Key: AlzaSyDilje2dT043vRZKWGF1Xcv-uwcsC7vDf4

Environment

This setting customizes your project for different stages of the app lifecycle

Environment type: Unspecified

Public settings

These settings control instances of your project shown to the public

Public-facing name: project-325214281569

File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help Bankapp - AndroidManifest.xml [Bankapp.app]

Emulator: Nexus 6 API 30

Bank Register OTP

Register

8290968008

REGISTER

AndroidManifest.xml

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.lab9"

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="lab9"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.lab9">
        <activity
            android:name=".profile"
            android:label="profile"
            android:theme="@style/Theme.lab9.NoActionBar"></activity>
        <activity android:name=".register" android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

manifest

Text Merged Manifest

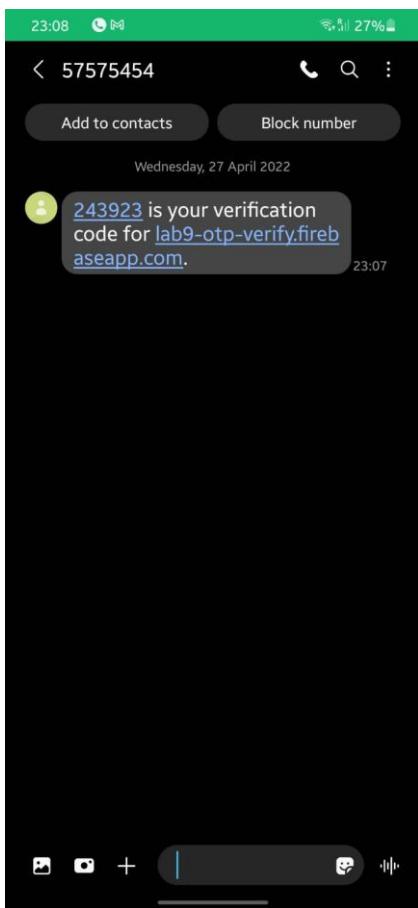
Git Run TODO Problems Terminal Logcat Build Profiler App Inspection

Launch succeeded (moments ago)

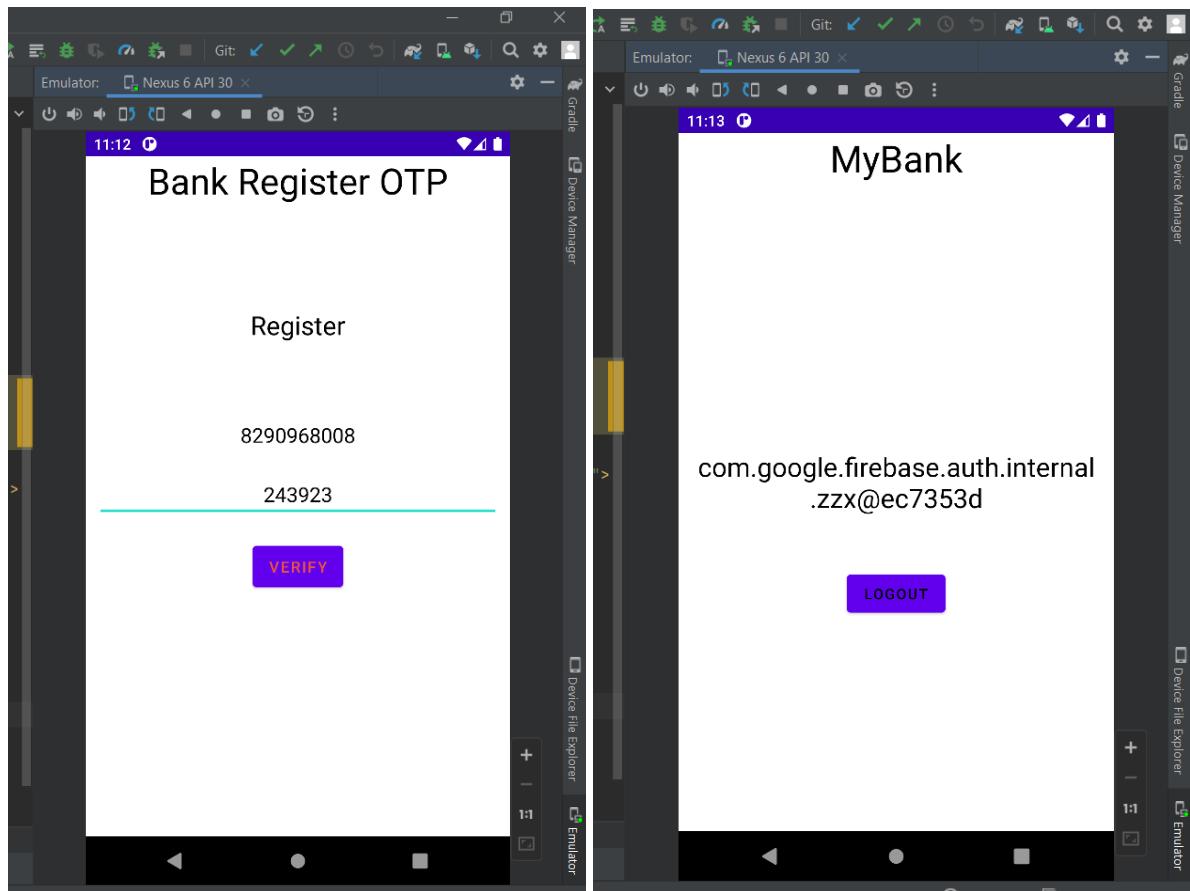
The screenshot shows the Android Studio interface with the project navigation bar at the top. Below it, the project structure shows a module named 'app' containing 'AndroidManifest.xml'. The manifest file is open in the main editor, displaying XML code for an application. The code includes declarations for activities, permissions, and categories. An emulator window titled 'Emulator: Nexus 6 API 30' is visible on the right, showing a browser with the URL <https://lab9-otp-verify.firebaseioapp.com>. The bottom of the screen shows various development tools and status indicators.

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.lab9">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="lab9"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.lab9">
        <activity
            android:name=".profile"
            android:label="profile"
            android:theme="@style/Theme.lab9.NoActionBar"></activity>
        <activity android:name=".register" android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```



OTP - Message on Phone



Date : 20/03/2022

Lab 10

Problem statement

Experiments - 10

Due April 20, 2022 11:59 PM • Closes April 20, 2022 11:59 PM

Instructions

Ex-10: Develop a native application that uses GPS location information and convert into speech.

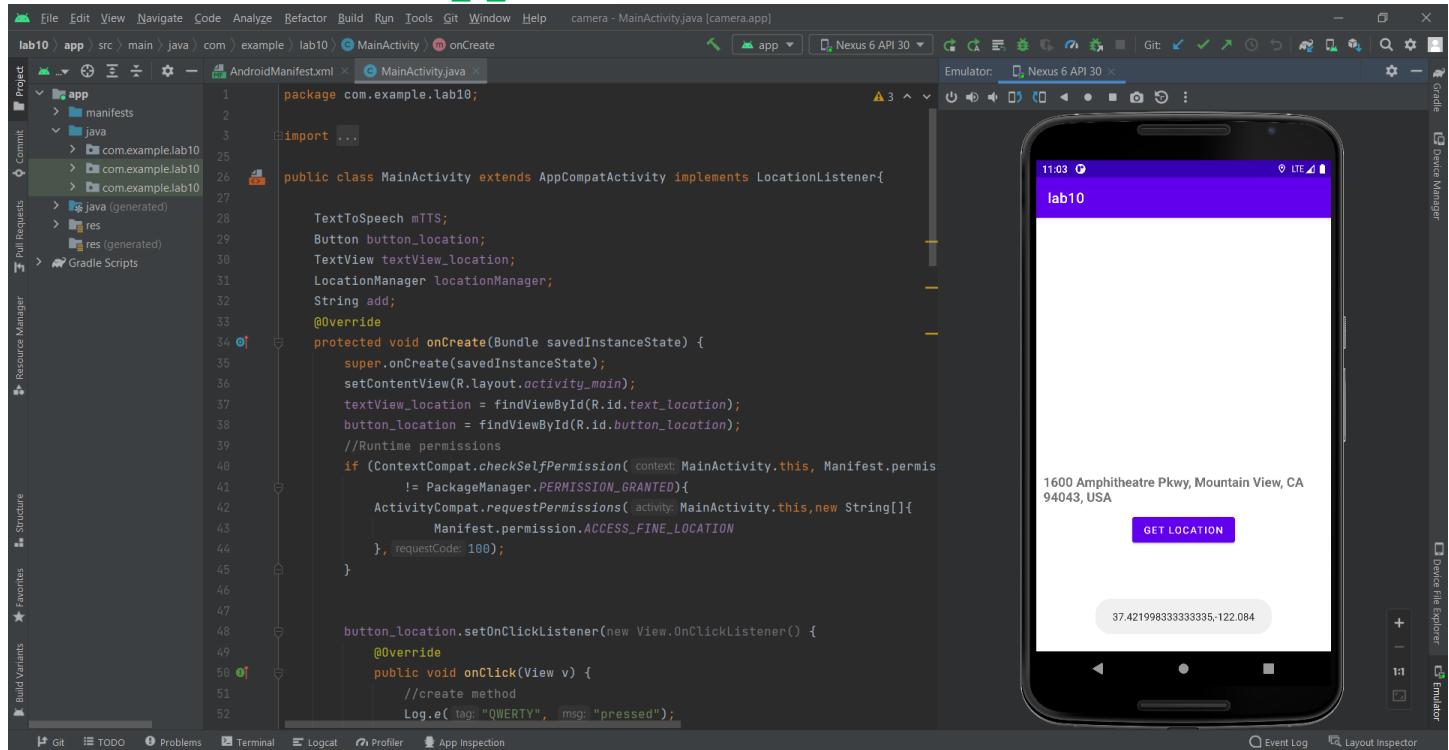
Tools/Programming Languages Used

Android Studio, XML Activity Class, Java, Kotlin, GPS Locator

Code Link

https://drive.google.com/drive/folders/1uVPL9_coC7_M4m8RFFRJr_jnd22y4HvT?usp=sharing

Screenshots of Application



Date : 20/03/2022

Lab 11

Problem statement

Experiments - 11

Due April 20, 2022 11:59 PM • Closes April 20, 2022 11:59 PM

Instructions

Ex-11: Write a program to call a number

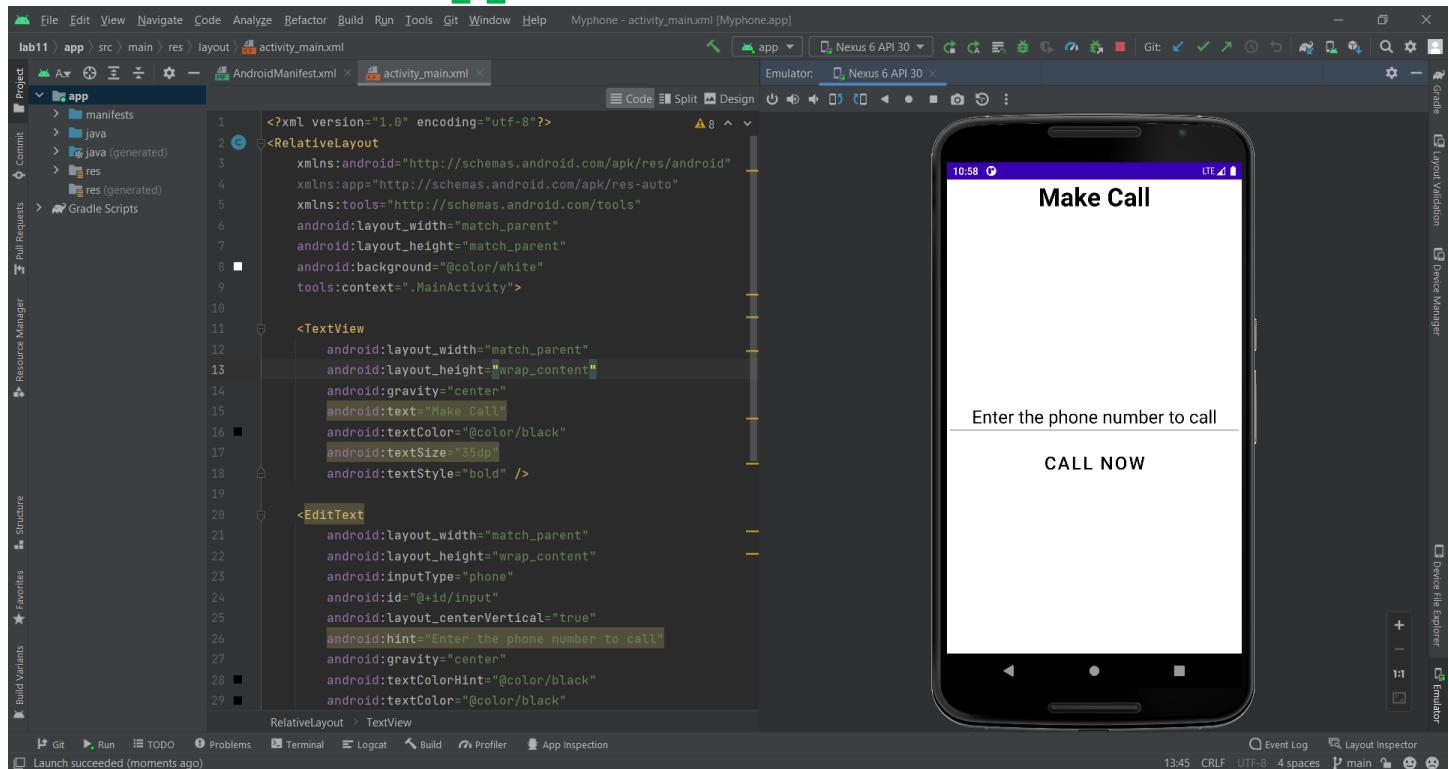
Tools/Programming Languages Used

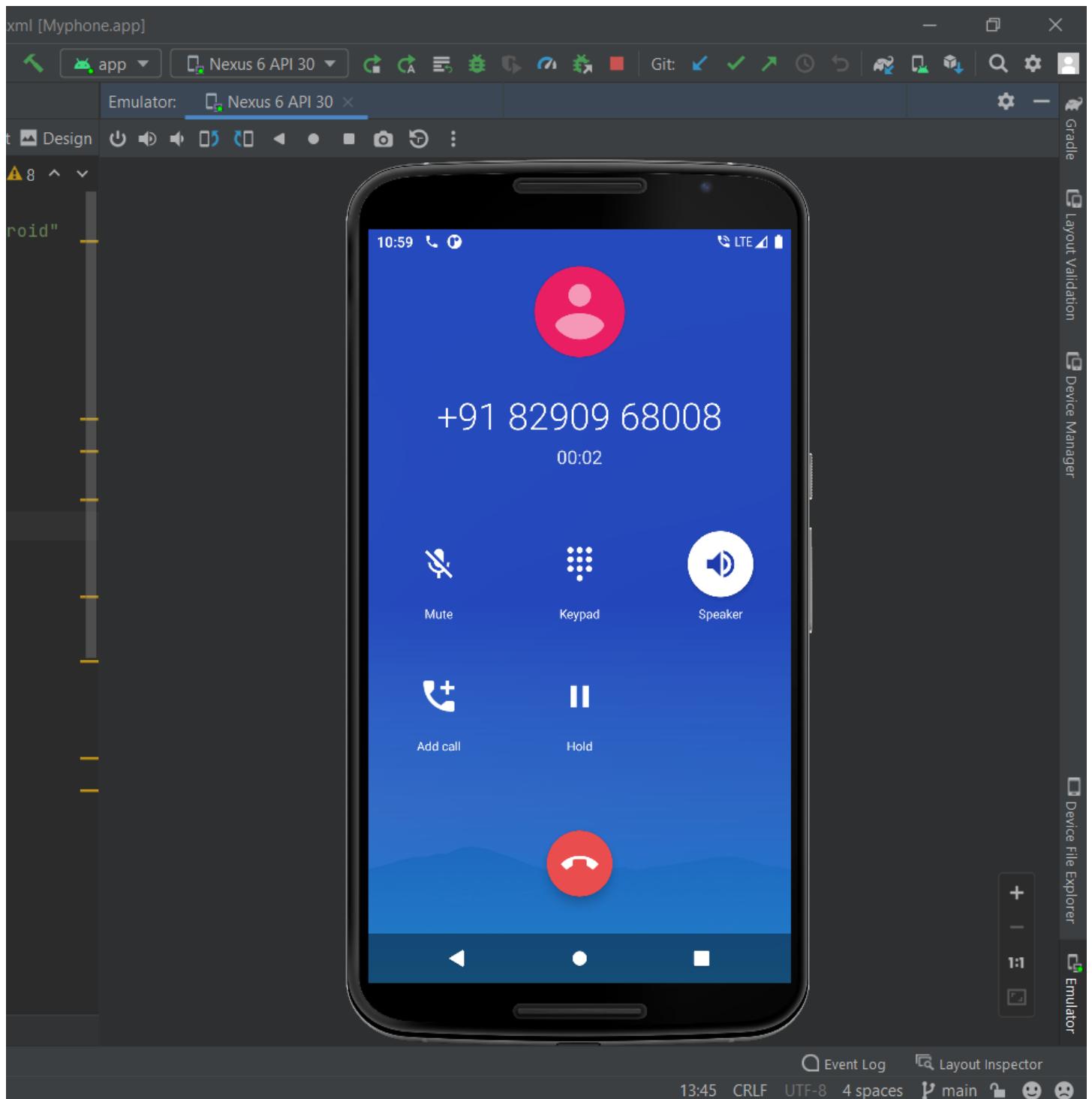
Android Studio, XML Activity Class, Java, Kotlin

Code Link

<https://drive.google.com/drive/folders/1yiIICcMpVyMUKduY0MvnYm8CYraQUHM3?usp=sharing>

Screenshots of Application





Thankyou