**Experiment 10**

**Q1:  
Code:  
XML :**<?xml version="1.0" encoding="utf-8"?>

<AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView android:layout\_x="140dp"

android:layout\_y="100dp"

android:text="ReConnect"

android:layout\_height="40dp"

android:layout\_width="match\_parent"

android:textSize="80px"

/>

<TextView android:layout\_x="60dp"

android:layout\_y="200dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:text="Name: "

/>

<EditText android:layout\_x="60dp"

android:layout\_y="250dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/name"

/>

<TextView android:layout\_x="60dp"

android:layout\_y="300dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:text="Password: "

/>

<EditText android:layout\_x="60dp"

android:layout\_y="350dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/pass"

/>

<Button android:layout\_x="60dp"

android:layout\_y="450dp"

android:text="Login"

android:layout\_height="50dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/login"

/>

</AbsoluteLayout>

**JAVA :**

package com.example.experiment\_10\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.Button;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText name, pass;

Button login;

// Correct username and password

final String correctUsername = "admin";

final String correctPassword = "123";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

name = findViewById(R.id.name);

pass = findViewById(R.id.pass);

login = findViewById(R.id.login);

login.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String enteredUsername = name.getText().toString();

String enteredPassword = pass.getText().toString();

// Check if the entered username and password match the correct ones

if (enteredUsername.equals(correctUsername) && enteredPassword.equals(correctPassword)) {

// Correct login

Toast.makeText(getApplicationContext(), "Login Successful", Toast.LENGTH\_SHORT).show();

} else {

// Incorrect login

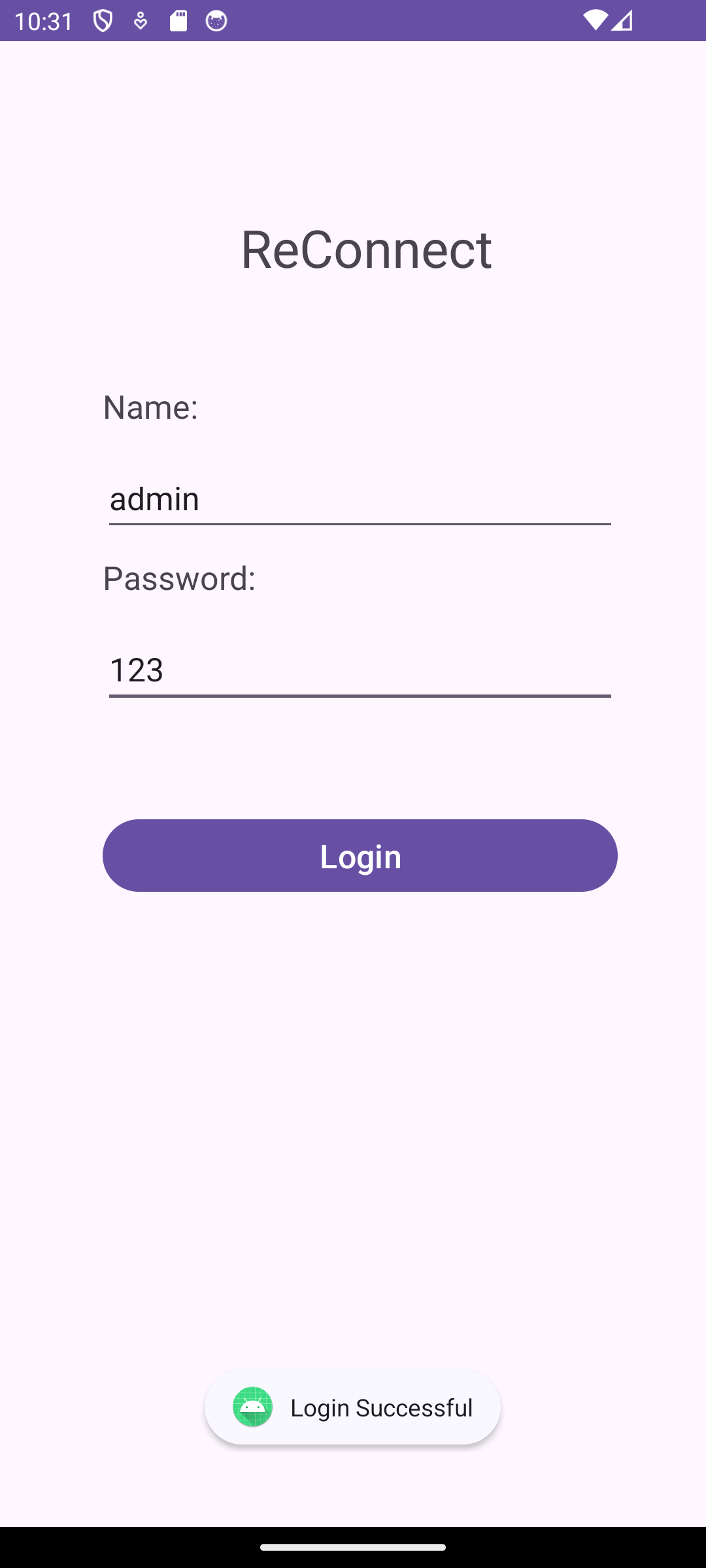
Toast.makeText(getApplicationContext(), "Incorrect Username or Password", Toast.LENGTH\_SHORT).show();

}

}

});

}

****}

**Output:**

**Q2:  
Code:  
XML :** <?xml version="1.0" encoding="utf-8"?>

<AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView android:layout\_x="100dp"

android:layout\_y="100dp"

android:text="Student Records"

android:layout\_height="40dp"

android:layout\_width="match\_parent"

android:textSize="80px"

/>

<TextView android:layout\_x="60dp"

android:layout\_y="200dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:text="Name: "

/>

<EditText android:layout\_x="60dp"

android:layout\_y="250dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/name"

/>

<TextView android:layout\_x="60dp"

android:layout\_y="300dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:text="ID: "

/>

<EditText android:layout\_x="60dp"

android:layout\_y="350dp"

android:layout\_height="40dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/studid"

/>

<Button android:layout\_x="60dp"

android:layout\_y="450dp"

android:text="Login"

android:layout\_height="50dp"

android:layout\_width="300dp"

android:textSize="50px"

android:id="@+id/login"

/>

</AbsoluteLayout>

**JAVA :**

package com.example.experiment\_10\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.EditText;

import android.widget.Button;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText name, sid;

Button login;

// Correct username and password

final String correctUsername = "John";

final String correctPassword = "22AA";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

name = findViewById(R.id.name);

sid = findViewById(R.id.studid);

login = findViewById(R.id.login);

login.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

String enteredUsername = name.getText().toString();

String enteredID = sid.getText().toString();

if (enteredUsername.equals(correctUsername) && enteredID.equals(correctPassword)) {

// Correct login

Toast.makeText(getApplicationContext(), "Login Successful", Toast.LENGTH\_SHORT).show();

} else {

// Incorrect login

Toast.makeText(getApplicationContext(), "Incorrect Student Name or Student ID", Toast.LENGTH\_SHORT).show();

}

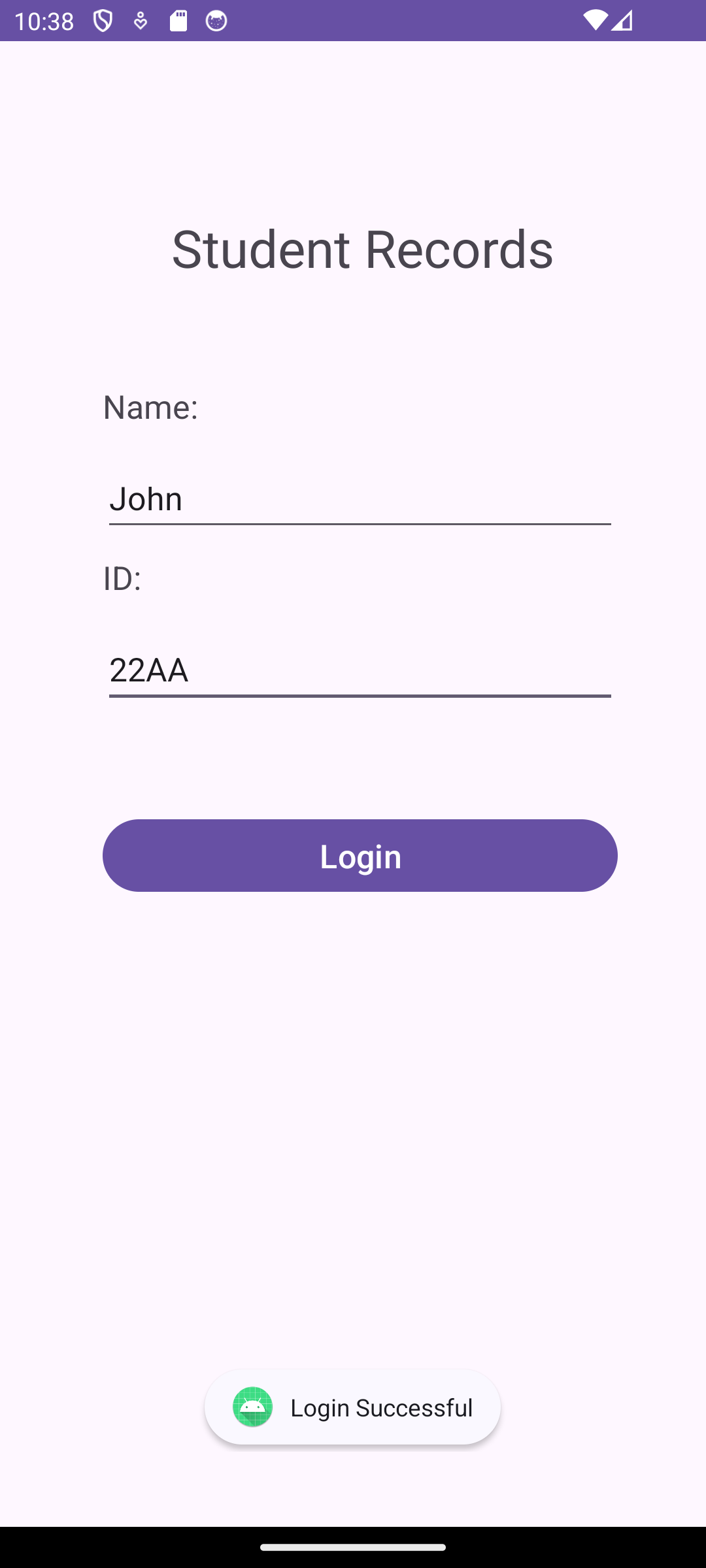
}

});

}

}

**Output:**

****