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**Roll No:1**

**Batch: MCA B**

**Date:**

**MOBILE APPLICATION DEVELOPMENT LAB**

**Experiment No.: 1**

**Aim:**

Design a Login Form with username and password using LinearLayout and toast valid credentials

**Procedure:**

**Xml file**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout

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

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

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/login"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="30dp"

android:gravity="center\_horizontal"

android:padding="5dp"

android:text="Login Form"

android:textAlignment="center"

android:textColor="@color/purple\_700"

android:textSize="18sp" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Username"

android:layout\_marginTop="90dp"

android:layout\_marginLeft="13dp"/>

<EditText

android:id="@+id/username"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/login"

android:layout\_marginStart="10dp"

android:layout\_marginTop="50dp"

android:layout\_marginEnd="10dp"

android:hint="Enter UserName"

android:inputType="textEmailAddress" />

<TextView

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Password"

android:layout\_marginTop="165dp"

android:layout\_marginLeft="13dp"/>

<EditText

android:id="@+id/password"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/username"

android:layout\_marginStart="10dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="10dp"

android:hint="Enter Password"

android:inputType="textPassword" />

<Button

android:id="@+id/idBtnLogin"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@id/password"

android:layout\_marginStart="10dp"

android:layout\_marginTop="20dp"

android:layout\_marginEnd="10dp"

android:text="Login" />

</RelativeLayout>

**Java file**

package com.example.program2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

EditText un =(EditText) findViewById(R.id.username);

EditText pw =(EditText) findViewById(R.id.password);

Button btn =(Button) findViewById(R.id.idBtnLogin);

btn.setOnClickListener(view -> {

String uname = un.getText().toString();

String passwd = pw.getText().toString();

if(uname.equals("ajce") && passwd.equals("123")){

Toast.makeText(this,"Login Success",Toast.LENGTH\_SHORT).show();

}

else{

Toast.makeText(this,"invalid username/password",Toast.LENGTH\_SHORT).show();

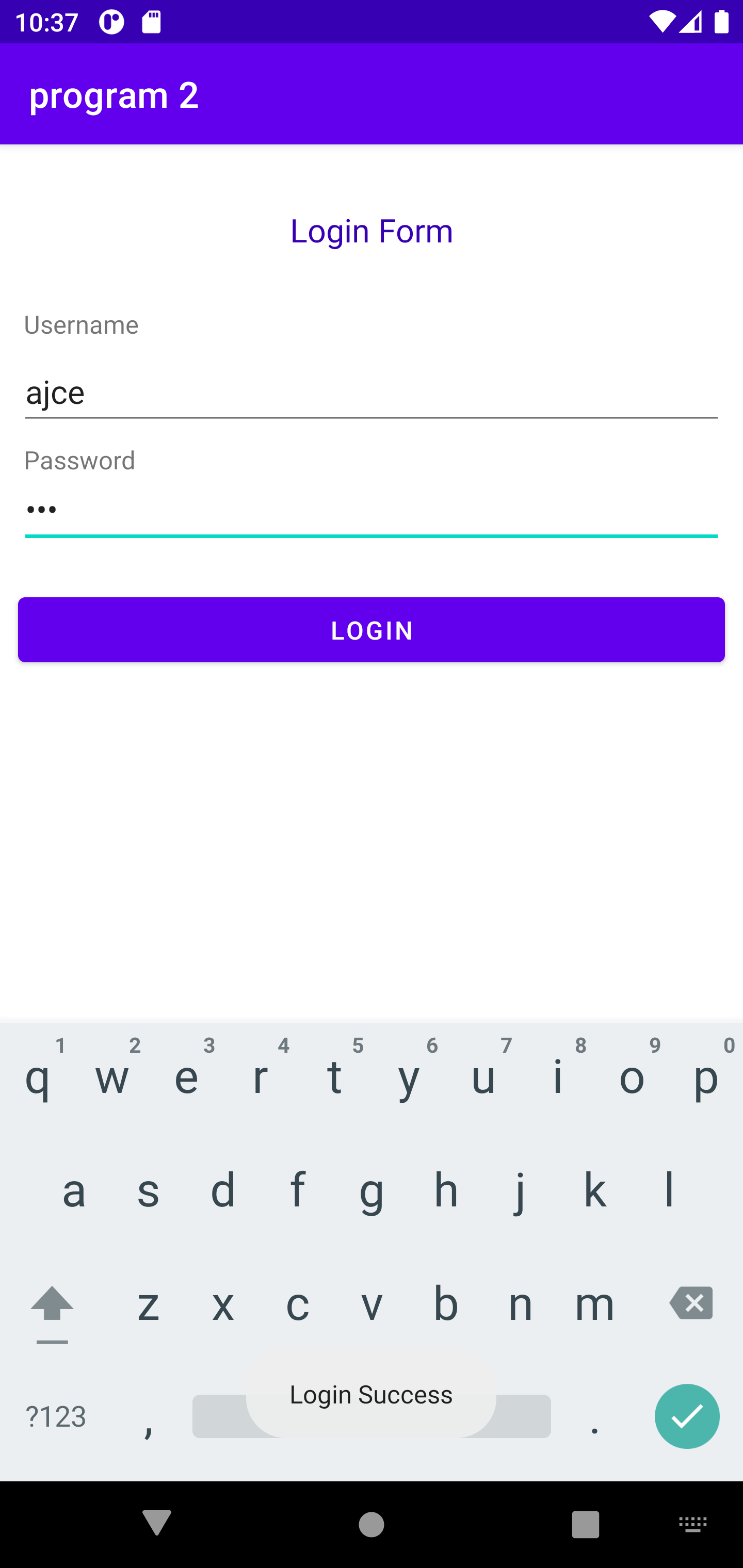
}

});

}

}

**Output:**

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