

PROGRAM NO: 1

AIM:

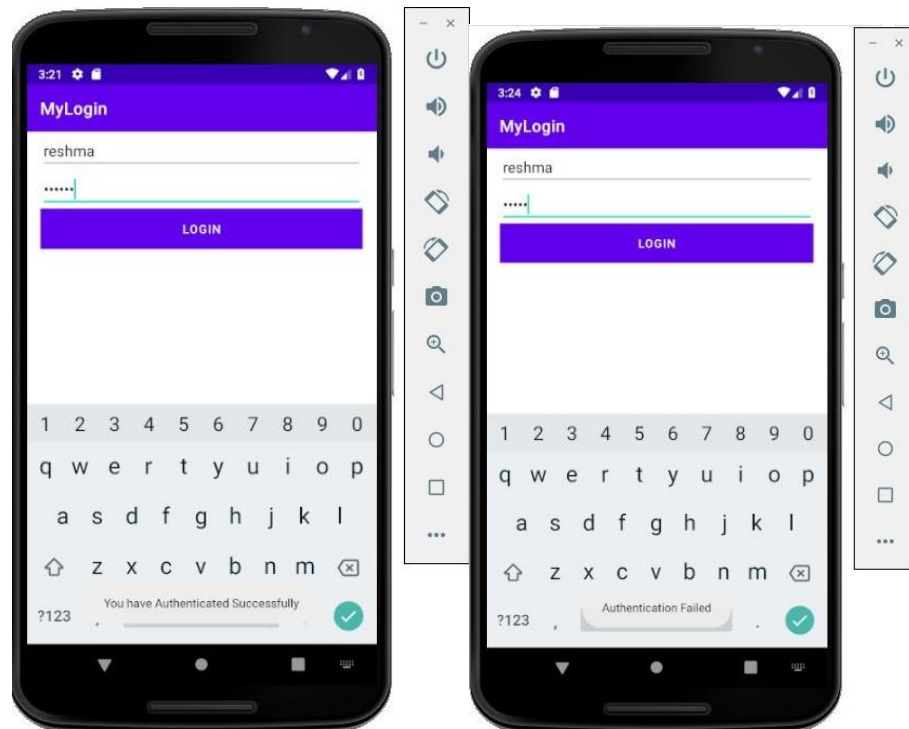
To design a Login Form with username and password using LinearLayout and toast valid credentials.

PROGRAM CODE:

activity_main.xml	<pre><?xml version="1.0" encoding="utf-8"?> <androidx.linearlayout.widget.LinearLayout 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"> <LinearLayout android:layout_width="match_parent" android:layout_height="wrap_content" android:orientation="vertical" android:layout_marginLeft="16dp" android:layout_marginRight="16dp" android:layout_centerInParent="true"> <EditText android:layout_width="match_parent" android:layout_height="wrap_content" android:hint="UserName" android:id="@+id/username"/> <EditText android:layout_width="match_parent" android:layout_height="wrap_content" android:hint="password" android:id="@+id/password" android:inputType="textPassword" /> <Button android:layout_width="match_parent" android:layout_height="wrap_content" android:text="Login" android:background="#3f76ff" android:textColor="#fff" android:id="@+id/login"/></pre>
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	<pre> </LinearLayout> </androidx.linearlayout.widget.LinearLayout> </pre>
MainActivity.java	<pre> package com.example.mylogin; import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.Toast; import java.util.Objects; public class MainActivity extends AppCompatActivity { @Override protected void onCreate(Bundle savedInstanceState) { EditText username,password; Button login; super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); username=findViewById(R.id.username); password=findViewById(R.id.password); login=findViewById(R.id.login); login.setOnClickListener(new View.OnClickListener() { @Override public void onClick(View view) { if(Objects.equals(username.getText().toString(), "reshma")&&Objects.equals(password.getText().toString(),"reshma")) { Toast.makeText(MainActivity.this,"You have Authenticated Successfully",Toast.LENGTH_LONG).show(); }else { Toast.makeText(MainActivity.this,"Authentication Failed",Toast.LENGTH_LONG).show(); } } }); } } </pre>

OUTPUT:



RESULT:

The program is successfully executed and the output is verified.