**PROGRAM 1 - LOGIN FORM**

**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <EditText  
 android:id="@+id/uname1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Username" />  
  
 <EditText  
 android:id="@+id/pass1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:inputType="textPassword"  
 android:minHeight="48dp" />  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="Login"  
 android:text="Login" />  
</LinearLayout>

**MainActivity.java**

package com.example.loginform;  
import android.os.Bundle;  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
import android.widget.EditText;  
import android.widget.Toast;  
import android.view.View;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText unameEditText;  
 private EditText passEditText;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 EdgeToEdge.*enable*(this);  
 setContentView(R.layout.*activity\_main*);  
 unameEditText = findViewById(R.id.*uname1*);  
 passEditText = findViewById(R.id.*pass1*);  
 }  
 public void Login(View view) {  
 String username = unameEditText.getText().toString();  
 String password = passEditText.getText().toString();  
 if (isValidCredentials(username,password))  
 {  
 Toast.*makeText*(this,"login Successful",Toast.*LENGTH\_SHORT*).show();  
 }  
 else  
 {  
 Toast.*makeText*(this,"invalid credentials",Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 private boolean isValidCredentials(String username,String password)  
 {  
 return username.equals("Admin") && password.equals("1234");  
 }  
  
}

**OUTPUT**

