Java

package com.example.lab3;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import androidx.activity.EdgeToEdge;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText editTextUsername,editTextPassword;  
 private Button buttonLogin;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 editTextUsername = findViewById(R.id.*editTextUsername*);  
 editTextPassword = findViewById(R.id.*editTextPassword*);  
 buttonLogin = findViewById(R.id.*buttonLogin*);  
 buttonLogin.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String username = editTextUsername.getText().toString().trim();  
 String password = editTextPassword.getText().toString().trim();  
  
 if(username.equals("admin") && password.equals("pass")){  
 Toast.*makeText*(MainActivity.this, "Login successful",  
 Toast.*LENGTH\_SHORT*).show();  
 } else {  
 Toast.*makeText*(MainActivity.this, "Invalid username or password", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
  
 }  
  
}

XML

<?xml version="1.0" encoding="utf-8"?>  
<RelativeLayout  
 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:id="@+id/main"  
 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:gravity="center"  
 android:layout\_centerInParent="true"  
 android:orientation="vertical"  
 android:padding="30dp"  
 >  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="LOGIN PAGE"  
 android:textSize="32sp"  
 android:textStyle="bold"  
 android:fontFamily="sans-serif-condensed-medium" android:textColor="@color/black" android:paddingBottom="20dp"  
 />  
  
 <EditText android:id="@+id/editTextUsername"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
  
  
 android:hint="Username"  
 android:layout\_marginBottom="16dp"/>  
  
 <EditText android:id="@+id/editTextPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Password"  
 android:layout\_below="@id/editTextUsername"  
 android:layout\_marginBottom="16dp"  
 android:inputType="textPassword"/>  
  
  
 <Button  
 android:id="@+id/buttonLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Login"  
 android:layout\_below="@id/editTextPassword"/>  
 </LinearLayout>  
</RelativeLayout>