**TASK NO.1**

Create an application which can take user-id and password from user, and if the credentials are valid

then it shows “Login successful”, otherwise it shows “login failure” message.

Your application must have following two activities.

**MAIN ACTIVITY (JAVA)**

**package** com.example.androidlogin;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.text.Editable;  
**import** android.text.TextWatcher;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
  
**import** org.w3c.dom.Text;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
  
 **private** EditText **editName**;  
 **private** EditText **editPass**;  
 **private** TextView **info**;  
 **private** Button **btnLogin**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **editName** = (EditText)findViewById(R.id.***editName***);  
 **editPass** = (EditText)findViewById(R.id.***editPass***);  
 **info** = (TextView)findViewById(R.id.***mesg***);  
 **btnLogin** = (Button)findViewById(R.id.***btnLogin***);  
  
  
  
  
 TextWatcher loginTextWatcher = **new** TextWatcher() {  
 @Override  
 **public void** beforeTextChanged(CharSequence s, **int** start, **int** count, **int** after) {  
  
 }  
  
 @Override  
 **public void** onTextChanged(CharSequence s, **int** start, **int** before, **int** count) {  
 String userName = **editName**.getText().toString().trim();  
 String userPass = **editPass**.getText().toString().trim();  
  
 **btnLogin**.setEnabled(!userName.isEmpty() && !userPass.isEmpty());  
 }  
  
 @Override  
 **public void** afterTextChanged(Editable s) {  
  
 }  
 };  
  
 **editName**.addTextChangedListener(loginTextWatcher);  
 **editPass**.addTextChangedListener(loginTextWatcher);  
  
 **btnLogin**.setOnClickListener(**new** View.OnClickListener(){  
  
 @Override  
 **public void** onClick(View v) {  
 validate(**editName**.getText().toString(), **editPass**.getText().toString());  
   
 }  
 });  
  
  
 }  
  
 **private void** validate(String userName, String userPass){  
 **if** ((userName.equals(**"Tamkeen"**)) && (userPass.equals(**"1234"**)))  
 {  
 Intent intent = **new** Intent(**this**, Summary.**class**);  
 startActivity(intent);  
  
 }  
 }  
}

**MAIN ACTIVITY ( 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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="LOGIN "  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:textSize="20sp"  
 android:textColor="@color/colorPrimaryDark"  
 android:layout\_marginBottom="50dp"  
 android:layout\_marginTop = "50dp"** />  
  
  
 <**EditText  
 android:id="@+id/editName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="100dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Enter Username"  
 android:visibility="visible"** />  
  
 <**EditText  
 android:id="@+id/editPass"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editName"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="4dp"  
 android:ems="10"  
 android:inputType="textPassword"** />  
  
 <**Button  
 android:id="@+id/btnLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editPass"  
 android:layout\_alignParentRight="true"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginEnd="150dp"  
 android:layout\_marginRight="199dp"  
 android:layout\_marginBottom="100dp"  
 android:background="@color/ic\_launcher\_background"  
 android:onClick="onclick"  
 android:padding="30dp"  
 android:text=" Login "  
 android:layout\_alignParentEnd="true"** />  
  
  
</**RelativeLayout**>

**ACTIVITY TWO ( JAVA ) :**

**package** com.example.androidlogin;  
  
**import** android.os.Bundle;  
**import** android.support.design.widget.FloatingActionButton;  
**import** android.support.design.widget.Snackbar;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.support.v7.widget.Toolbar;  
**import** android.view.View;  
  
**public class** Summary **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_summary***);  
 Toolbar toolbar = findViewById(R.id.***toolbar***);  
 setSupportActionBar(toolbar);  
  
 FloatingActionButton fab = findViewById(R.id.***fab***);  
 fab.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Snackbar.*make*(view, **"Replace with your own action"**, Snackbar.***LENGTH\_LONG***)  
 .setAction(**"Action"**, **null**).show();  
 }  
 });  
 }  
  
}

**ACTIVITY TWO (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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context=".Summary"  
 tools:showIn="@layout/activity\_summary"**>  
  
  
 <**TextView  
 android:id="@+id/mesg"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=" Login Successful "  
 android:layout\_centerInParent="true"  
 android:textSize="25sp"  
 android:textColor="@color/colorPrimary"**/>  
</**RelativeLayout**>

# **OUTPUT:**





