**PROGRAM 11 Date:9/2/2022**

**AIM:** Implement Simple Login application with number of attempts.

# PROGRAM CODE:

**activity xml**

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

<LinearLayout xmlns:android=["http://schemas.android.com/](http://schemas.android.com/apk/res/android)a[pk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app=["http://sc](http://schemas.android.com/apk/res-auto)h[emas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:t[ools="ht](http://schemas.android.com/tools)tp:/[/sc](http://schemas.android.com/tools)he[mas.android.com/tools"](http://schemas.android.com/tools) android:orientation="vertical"

android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<TextView android:text="USERNAME" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"/>

<EditText android:id="@+id/et1"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>

<TextView android:text="PASSWORD" android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"/>

<EditText android:id="@+id/et2"

android:inputType="textPassword" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>

<Button

android:id="@+id/b1" android:text="Login" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>

<TextView android:id="@+id/tv1"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>

</LinearLayout>

# activitysecond.xml

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

<LinearLayout xmlns:android=["http://schemas.android.com/](http://schemas.android.com/apk/res/android)a[pk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app=["http://sc](http://schemas.android.com/apk/res-auto)h[emas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:t[ools="ht](http://schemas.android.com/tools)tp:/[/sc](http://schemas.android.com/tools)he[mas.android.com/tools"](http://schemas.android.com/tools)

android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".SecondActivity">

<TextView

android:text="Welcome to Second Activity" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content"/>

</LinearLayout>

# Mainactivity.java

import androidx.appcompat.app.AppCompatActivity; import android.content.Intent;

import android.os.Bundle;

import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.TextView;

public class MainActivity extends AppCompatActivity { EditText et1,et2;

Button b1; TextView tv1; int c=5;

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); et1=findViewById(R.id.*et1*); et2=findViewById(R.id.*et2*); b1=findViewById(R.id.*b1*); tv1=findViewById(R.id.*tv1*);

tv1.setText("Number of attempts remaining: 5"); b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) { validate(et1.getText().toString(),et2.getText().toString());

}

});

}

private void validate(String un,String pw){ if((un.equals("Admin")) && (pw.equals("1234"))){

Intent i=new Intent(MainActivity.this,SecondActivity.class); startActivity(i);

}

else

{

c--;

tv1.setText("Number of attempts remaining "+ String.*valueOf*(c)); if(c==0){

b1.setEnabled(false);

}

}

}

}

# Secondactivity.java

package com.example.myapp3;

import androidx.appcompat.app.AppCompatActivity; import android.os.Bundle;

public class SecondActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_second*);

}

}

**RESULT:** Program compiled successfully and output verified.

**OUTPUT:**

