**Aim:**

To develop an android application for student information System using intents in android studio.

**Source code:**

**Activity\_Home.java**

package com.example.josh.secondapp;  
*/\*\*\**

*\* Title : Student Information System  
 \* @author Josh*

*\* Creating activity that takes input as username and password for students  
 \*/*import android.app.Activity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import java.util.HashMap;  
  
*/\*\*\**

*\* Activity\_Home class is used for validating the username and password*

*\*/*public class Activity\_Home extends Activity {  
  
 EditText ed1;  
 EditText ed2;  
 String username,password;  
 Button btn1;  
*/\*\*\*  
 \*is where you initialize your activity  
 \* @param savedInstanceState is used to grab the data and regenerate the Activity's state to how it was when the user last saw it  
 \*/*

@Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_activity\_\_home*);  
 ed1=(EditText)findViewById(R.id.*editText*);  
 ed2=(EditText)findViewById(R.id.*editText2*);  
 btn1=(Button)findViewById(R.id.*button*);  
  
 btn1.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 username=ed1.getText().toString();  
 password=ed2.getText().toString();  
  
 if ((password.equals(username)||(username.equals("admin"))&&(password.equals("athish"))))  
 {  
 HashMap<String,String> map = new HashMap<String, String>();  
 map.put("username",username);  
 Intent intent2 = new Intent(getApplicationContext(),Activity\_pg2.class);  
 intent2.putExtra("username", map);  
 startActivity(intent2);  
 }  
 else  
 {  
 Toast.*makeText*(getApplicationContext(),"Invalid Username or Password",Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 });  
  
 }  
  
}

**Activity\_pg2.java**

package com.example.josh.secondapp;  
  
import android.app.Activity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
import java.util.HashMap;  
  
*/\*\*\**

*\* Activity\_pg2 is for getting the student details.*

*\**

*\*/*public class Activity\_pg2 extends Activity {  
  
 EditText editText3,editText4,editText5,editText6,editText7;  
 String name,regno,ug,twlth,tenth;  
 Button btn2;  
 String st1;  
/\*\*\*

\* is where you initialize your activity

\* @param savedInstanceState is used to grab the data and regenerate the Activity's state to how it was when the user last saw it

\*/  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_activity\_pg2*);  
  
 editText3=(EditText)findViewById(R.id.*editText3*);  
 editText4=(EditText)findViewById(R.id.*editText4*);  
 editText5=(EditText)findViewById(R.id.*editText5*);  
 editText6=(EditText)findViewById(R.id.*editText6*);  
 editText7=(EditText)findViewById(R.id.*editText7*);  
  
 final HashMap<String,String> map=(HashMap<String,String>)this.getIntent().getSerializableExtra("username");  
 st1 = map.get("username");  
  
 btn2=(Button)findViewById(R.id.*button2*);  
 btn2.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 name=editText3.getText().toString();  
 regno=editText4.getText().toString();  
 ug=editText5.getText().toString();  
 twlth=editText6.getText().toString();  
 tenth=editText7.getText().toString();  
  
 HashMap<String,String> map1 =new HashMap<String, String>();  
  
 map1.put("name",name);  
 map1.put("regno",regno);  
 map1.put("ug",ug);  
 map1.put("twlth",twlth);  
 map1.put("tenth",tenth);  
 map1.put("username",st1);  
  
 Intent intent3 = new Intent(getApplicationContext(),Activity\_pg3.class);  
 intent3.putExtra("athish",map1);  
 startActivity(intent3);  
  
 }  
 });  
  
 }  
  
}

**Activity\_pg3.java**

package com.example.josh.secondapp;  
  
import android.app.Activity;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.Button;  
import android.widget.ListView;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.util.HashMap;  
  
*/\*\*\**

*\* Activity\_pg3 is for displaying the details of the student.*

*\*/*public class Activity\_pg3 extends Activity {  
  
 ListView listView;  
 String username,name,regno,ug,twlth,tenth;  
 Button btn3,btn4;  
 String st2;  
 TextView textView13,textView15,textView17,textView19,textView21;  
/\*\*\*

\* is where you initialize your activity

\* @param savedInstanceState is used to grab the data and regenerate the Activity's state to how it was when the user last saw it

\*/  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_activity\_pg3*);  
  
 HashMap<String,String> map2=(HashMap<String,String>)this.getIntent().getSerializableExtra("athish");  
 st2=map2.get("athish");  
 textView13=(TextView)findViewById(R.id.*textView13*);  
 textView15=(TextView)findViewById(R.id.*textView15*);  
 textView17=(TextView)findViewById(R.id.*textView17*);  
 textView19=(TextView)findViewById(R.id.*textView19*);  
 textView21=(TextView)findViewById(R.id.*textView21*);  
  
 name= map2.put("name", name);  
 regno= map2.put("regno", regno);  
 ug=map2.put("ug", ug);  
 twlth=map2.put("twlth", twlth);  
 tenth=map2.put("tenth", tenth);  
 username=map2.put("user",username);  
  
 textView13.setText(name);  
 textView15.setText(regno);  
 textView17.setText(ug);  
 textView19.setText(twlth);  
 textView21.setText(tenth);  
  
  
 *//String[] array1=new String[]{name,regno,ug,twlth,tenth};  
  
  
  
 // ArrayAdapter<String> arrayAdapter=new ArrayAdapter<String>(this,android.R.layout.simple\_list\_item\_1);  
 // listView=(ListView)findViewById(R.id.listView);  
 // listView.setAdapter(arrayAdapter);* btn3=(Button)findViewById(R.id.*button3*);  
 btn3.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if(username.equals("admin"))  
 {  
 Intent intent2=new Intent(getApplicationContext(),Activity\_pg2.class);  
 startActivity(intent2);  
 }  
 else  
 {  
 Toast.*makeText*(getApplicationContext(),"You Need To Be an ADMIN to edit",Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 });  
  
  
 }  
  
}

**activity\_home.xml**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin" tools:context=".Activity\_Home">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="LOGIN"  
 android:textSize="35dp"  
 android:id="@+id/textView"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true" />  
  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText"  
 android:hint="Username"  
 android:layout\_above="@+id/editText2"  
 android:layout\_alignEnd="@+id/editText2"  
 android:layout\_alignStart="@+id/editText2" />  
  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:ems="10"  
 android:id="@+id/editText2"  
 android:hint="Password"  
 android:layout\_above="@+id/button"  
 android:layout\_centerHorizontal="true" />  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Submit"  
 android:id="@+id/button"  
 android:layout\_centerVertical="true"  
 android:layout\_alignStart="@+id/textView" />  
</RelativeLayout>

**activity\_pg2.xml**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.josh.secondapp.Activity\_pg2"  
  
 >  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Welcome !"  
 android:textSize="35dp"  
 android:id="@+id/textView4"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="U.G"  
 android:textSize="20dp"  
 android:id="@+id/textView8"  
 android:layout\_below="@+id/textView7"  
 android:layout\_alignParentStart="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="12th"  
 android:textSize="20dp"  
 android:id="@+id/textView9"  
 android:layout\_below="@+id/textView8"  
 android:layout\_alignParentStart="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="10th"  
 android:textSize="20dp"  
 android:id="@+id/textView10"  
 android:layout\_below="@+id/textView9"  
 android:layout\_alignParentStart="true" />  
  
 <Button  
 style="?android:attr/buttonStyleSmall"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="OK"  
 android:id="@+id/button2"  
 android:layout\_below="@+id/textView10"  
 android:layout\_centerHorizontal="true" />  
</RelativeLayout>

**activity\_pg3.xml**

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.josh.secondapp.Activity\_pg3"  
 >  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Details"  
 android:textSize="40dp"  
 android:id="@+id/textView11"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true" />  
  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="EDIT"  
 android:id="@+id/button3"  
 android:layout\_marginBottom="51dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="New Text"  
 android:textSize="27dp"  
 android:id="@+id/textView17"  
 android:layout\_below="@+id/textView14"  
 android:layout\_toEndOf="@+id/textView12" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="12th : "  
 android:textSize="27dp"  
 android:id="@+id/textView18"  
 android:layout\_below="@+id/textView16"  
 android:layout\_alignParentStart="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="New Text"  
 android:textSize="27dp"  
 android:id="@+id/textView19"  
 android:layout\_below="@+id/textView17"  
 android:layout\_alignStart="@+id/textView17" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="10th : "  
 android:textSize="27dp"  
 android:id="@+id/textView20"  
 android:layout\_below="@+id/textView18"  
 android:layout\_alignParentStart="true" />  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="New Text"  
 android:textSize="27dp"  
 android:id="@+id/textView21"  
 android:layout\_alignTop="@+id/textView20"  
 android:layout\_alignStart="@+id/textView19" />  
  
</RelativeLayout>

**AndroidManifest.xml**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.josh.secondapp" >

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:theme="@style/AppTheme" >

<activity

android:name=".Activity\_Home"

android:label="@string/app\_name" >

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<activity

android:name=".Activity\_pg2"

android:label="@string/title\_activity\_activity\_pg2" >

</activity>

<activity

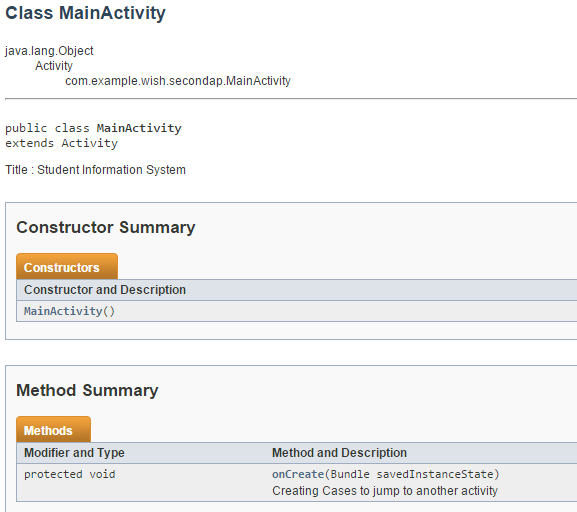
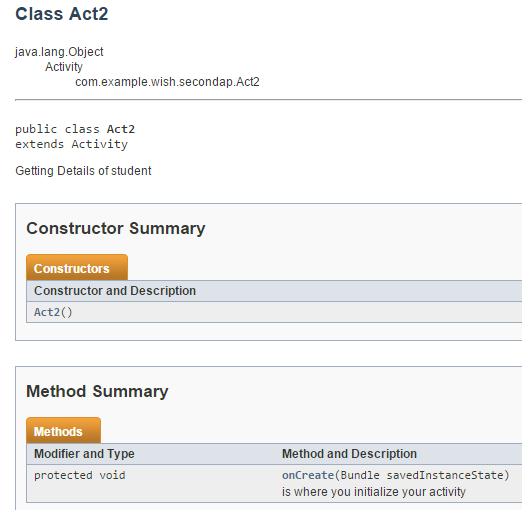
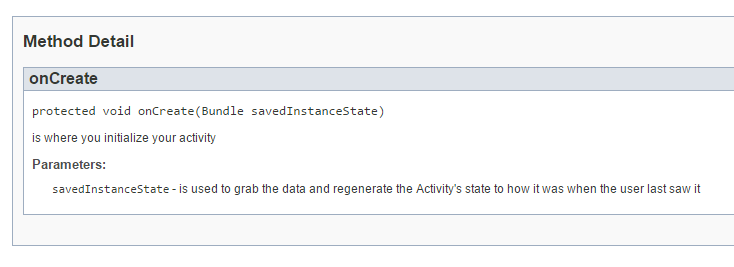
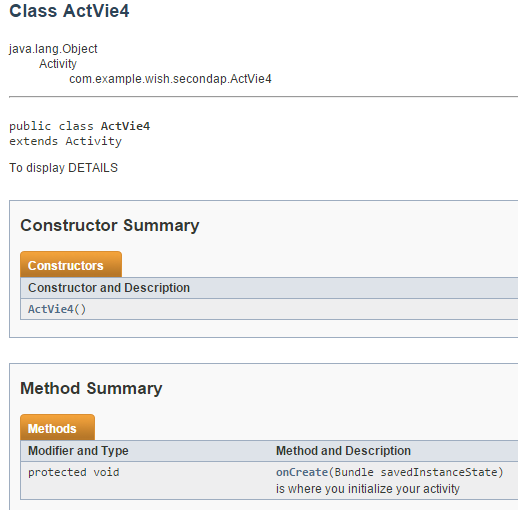
android:name=".Activity\_pg3"

android:label="@string/title\_activity\_activity\_pg3" >

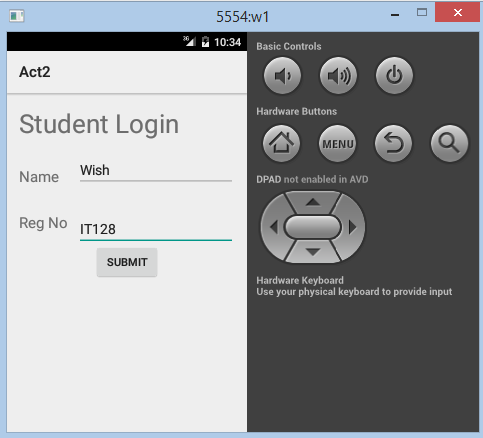
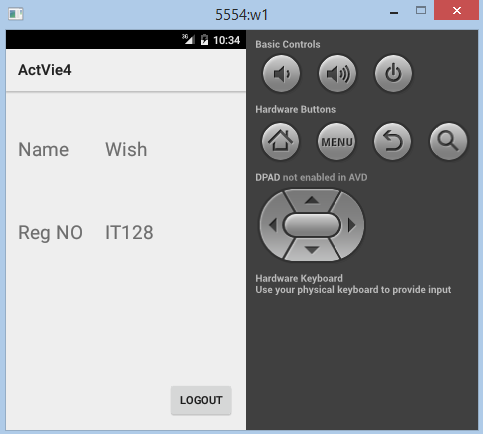
</activity>

</application></manifest>

**JavaDoc :**

**Output :**

**Result**:

The application for student information system is executed successfully and output is verified.