Assignment No 1:- Create “Hello Word” Application.

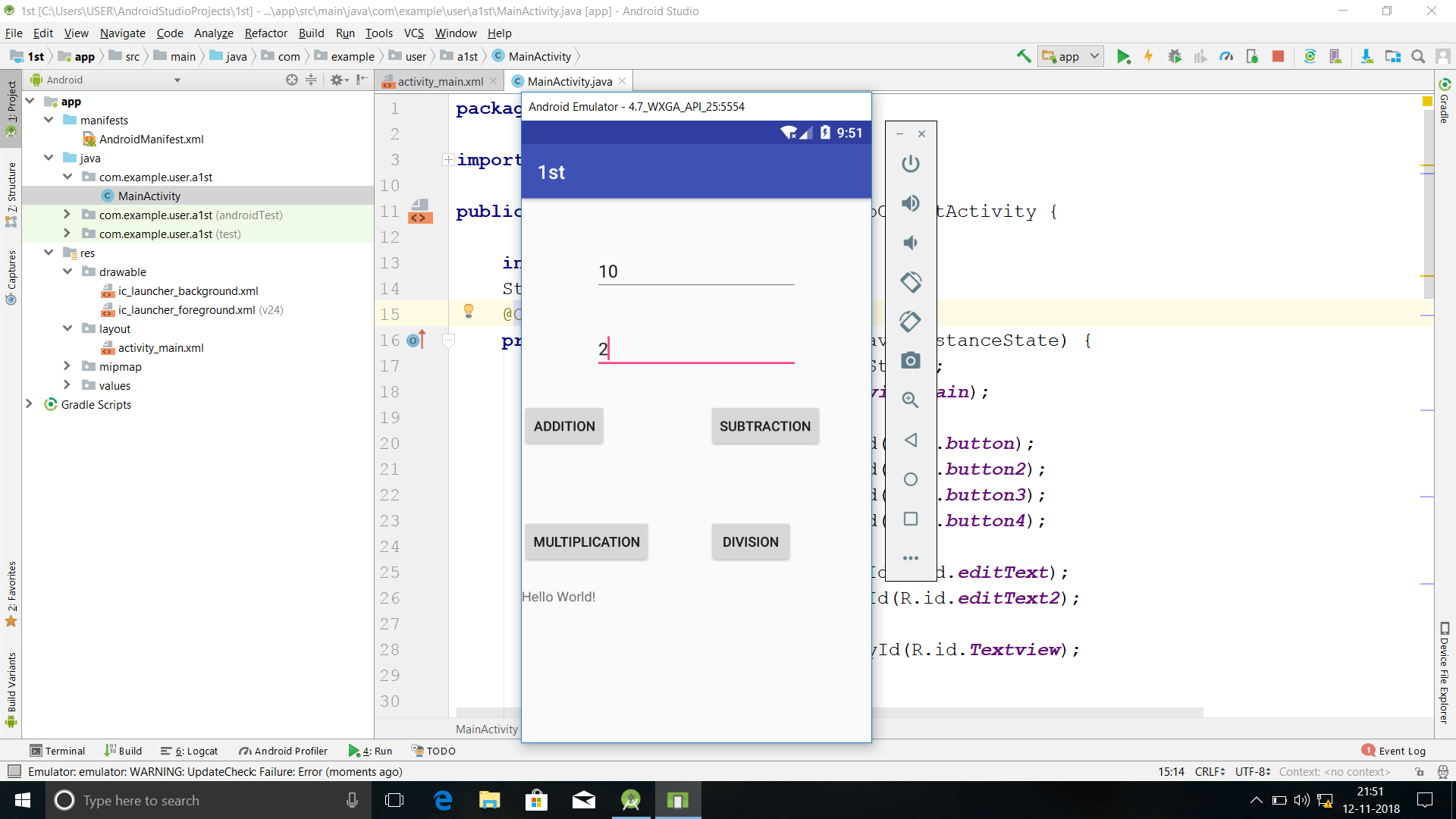
**ACTIVITY\_MAIN**

*<?***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/Textview"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="141dp"  
 android:text="Hello World!"** />  
  
  
</**RelativeLayout**>

**MAINACTIVITY**

**package** com.example.user.a1st;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
  
 }

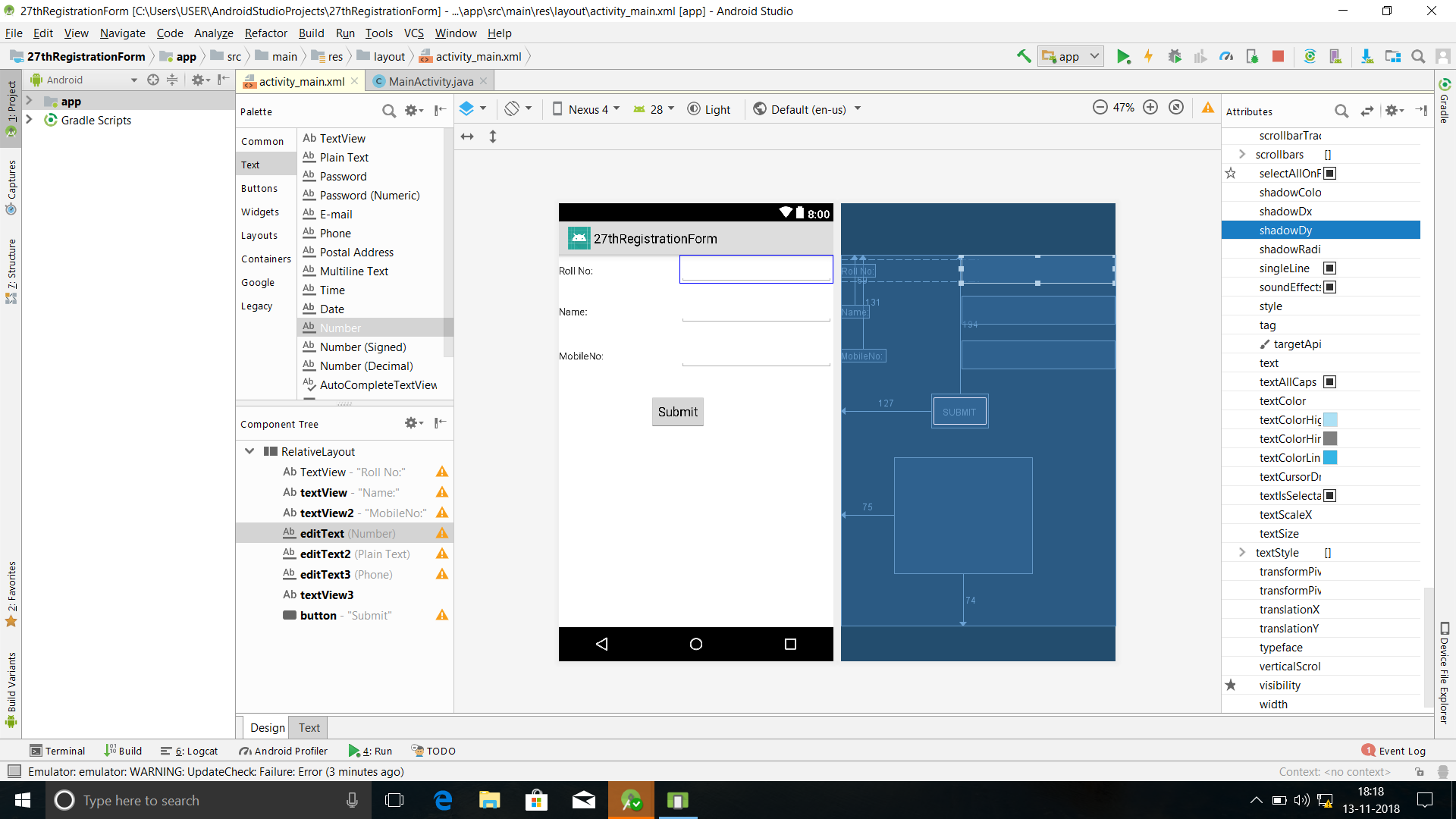
**OUTPUT**



Assignment No 2 :- Android **Form Based Application** to **Create Registration Form for Student** with **Field (RollNo, StudentName and MobileNo)** and on **button click** display all the entered information On **TextView**.

**ACTIVITY\_MAIN**

**DESIGN**

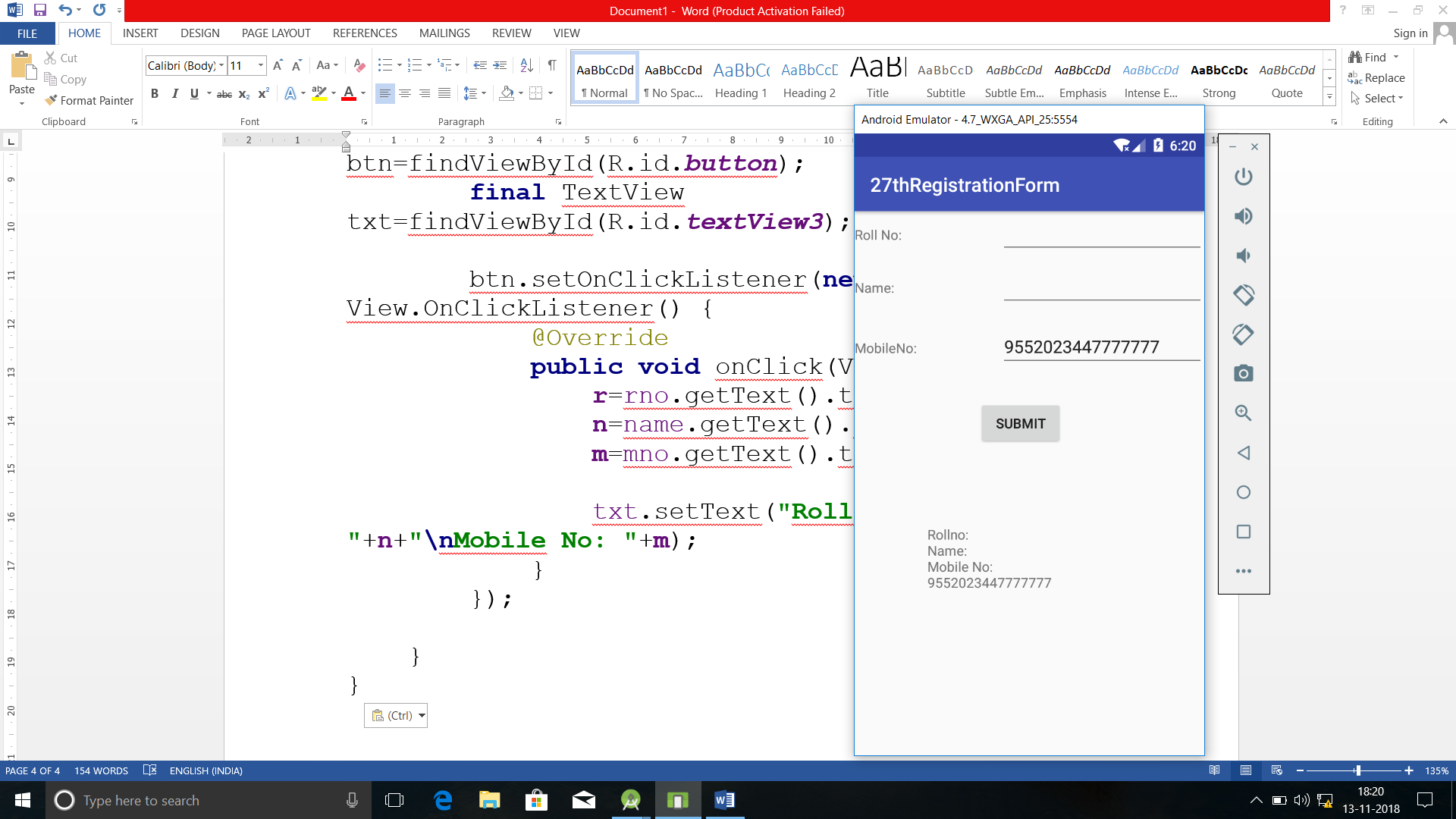


*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBaseline="@+id/editText"  
 android:layout\_alignParentStart="true"  
 android:text="Roll No:"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="69dp"  
 android:text="Name:"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginTop="131dp"  
 android:text="MobileNo:"** />  
  
 <**EditText  
 android:id="@+id/editText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:ems="10"  
 android:inputType="number"  
 android:password="false"** />  
  
 <**EditText  
 android:id="@+id/editText2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBaseline="@+id/textView"  
 android:layout\_alignParentEnd="true"  
 android:ems="10"  
 android:inputType="textPersonName"** />  
  
 <**EditText  
 android:id="@+id/editText3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBaseline="@+id/textView2"  
 android:layout\_alignParentEnd="true"  
 android:ems="10"  
 android:inputType="phone"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="193dp"  
 android:layout\_height="163dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginBottom="74dp"  
 android:layout\_marginStart="75dp"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginStart="127dp"  
 android:layout\_marginTop="194dp"  
 android:text="Submit"** />  
  
</**RelativeLayout**>

**MAIN\_ACTIVITY**

**package** com.example.user.a27thregistrationform;  
  
**import** android.support.v7.app.AppCompatActivity;  
**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 {  
  
 **String r,n,m;**  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **final EditText rno = findViewById(R.id.*editText*);  
 final EditText name = findViewById(R.id.*editText2*);  
 final EditText mno = findViewById(R.id.*editText3*);  
 final Button btn = findViewById(R.id.*button*);  
 final TextView txt = findViewById(R.id.*textView3*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 r = rno.getText().toString();  
 n = name.getText().toString();  
 m = mno.getText().toString();  
  
 txt.setText("Rollno: "+r+"\nName: "+n+"\nMobile No: "+m);  
 }  
 });**  
 }  
}

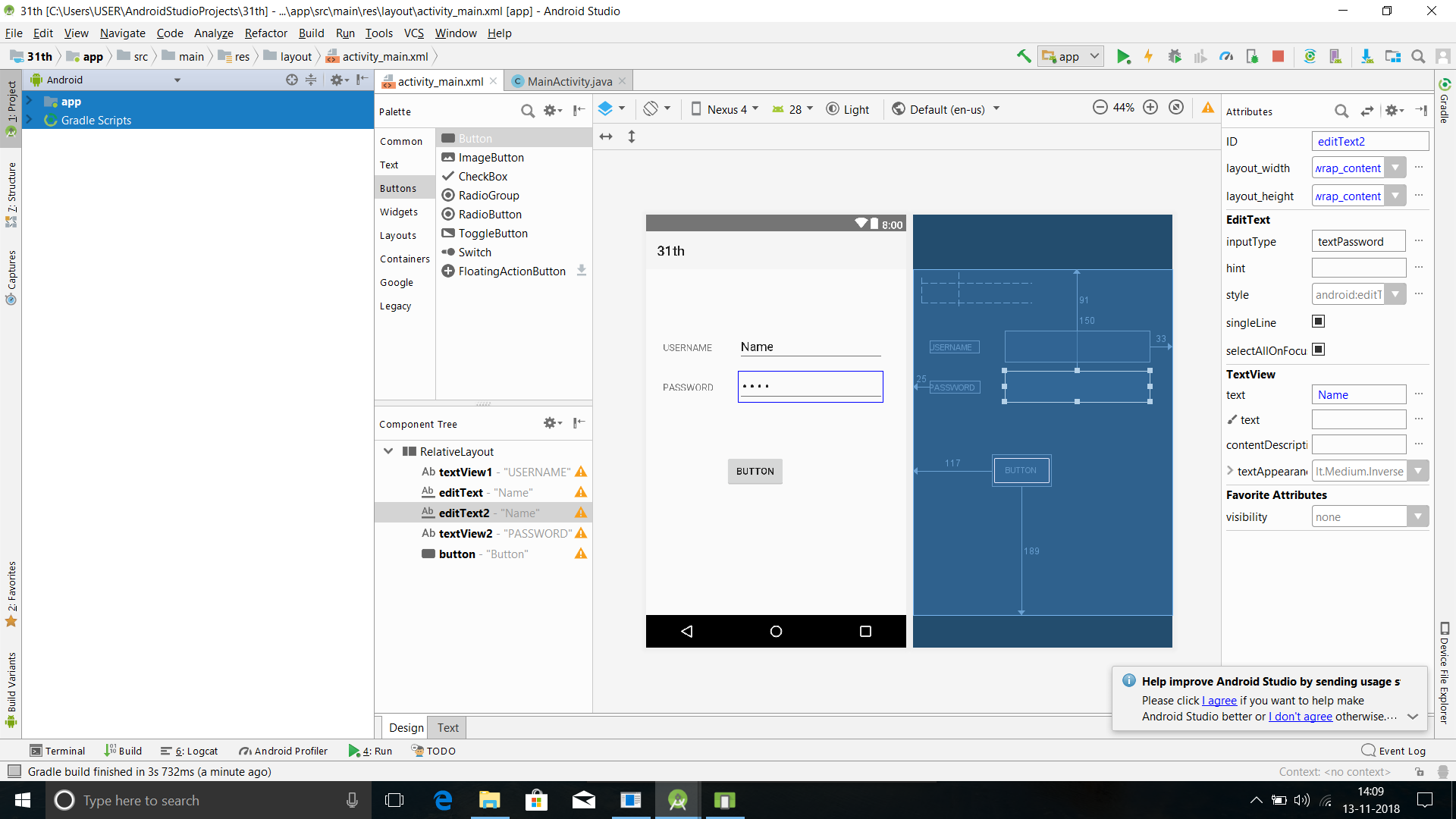
**OUTPUT**



Assignment No 3:- Android **Form Based Application** to **Create Registration Form** for **Student** With **Field(UserName and Password)** and on **button click** **validate** **it** with your name if its **valid show "Valid Credential"** otherwise **show "Wrong Credential"** on **Toast**.

**ACTIVITY\_MAIN**

**DESIGN**



*<?***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/textView1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBaseline="@+id/editText"  
 android:layout\_alignStart="@+id/textView2"  
 android:text="USERNAME"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.1"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.13"** />  
  
 <**EditText  
 android:id="@+id/editText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginEnd="33dp"  
 android:layout\_marginTop="91dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="Name"  
 tools:layout\_editor\_absoluteX="162dp"  
 tools:layout\_editor\_absoluteY="47dp"** />  
  
 <**EditText  
 android:id="@+id/editText2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_alignStart="@+id/editText"  
 android:layout\_marginTop="150dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:text="Name"  
 tools:layout\_editor\_absoluteX="153dp"  
 tools:layout\_editor\_absoluteY="139dp"** />  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignBaseline="@+id/editText2"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginStart="25dp"  
 android:text="PASSWORD"  
 tools:layout\_editor\_absoluteX="31dp"  
 tools:layout\_editor\_absoluteY="147dp"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginBottom="189dp"  
 android:layout\_marginStart="117dp"  
 android:text="Button"  
 tools:layout\_editor\_absoluteX="134dp"  
 tools:layout\_editor\_absoluteY="304dp"** />  
  
</**RelativeLayout**>

**MAIN\_ACTIVITY**

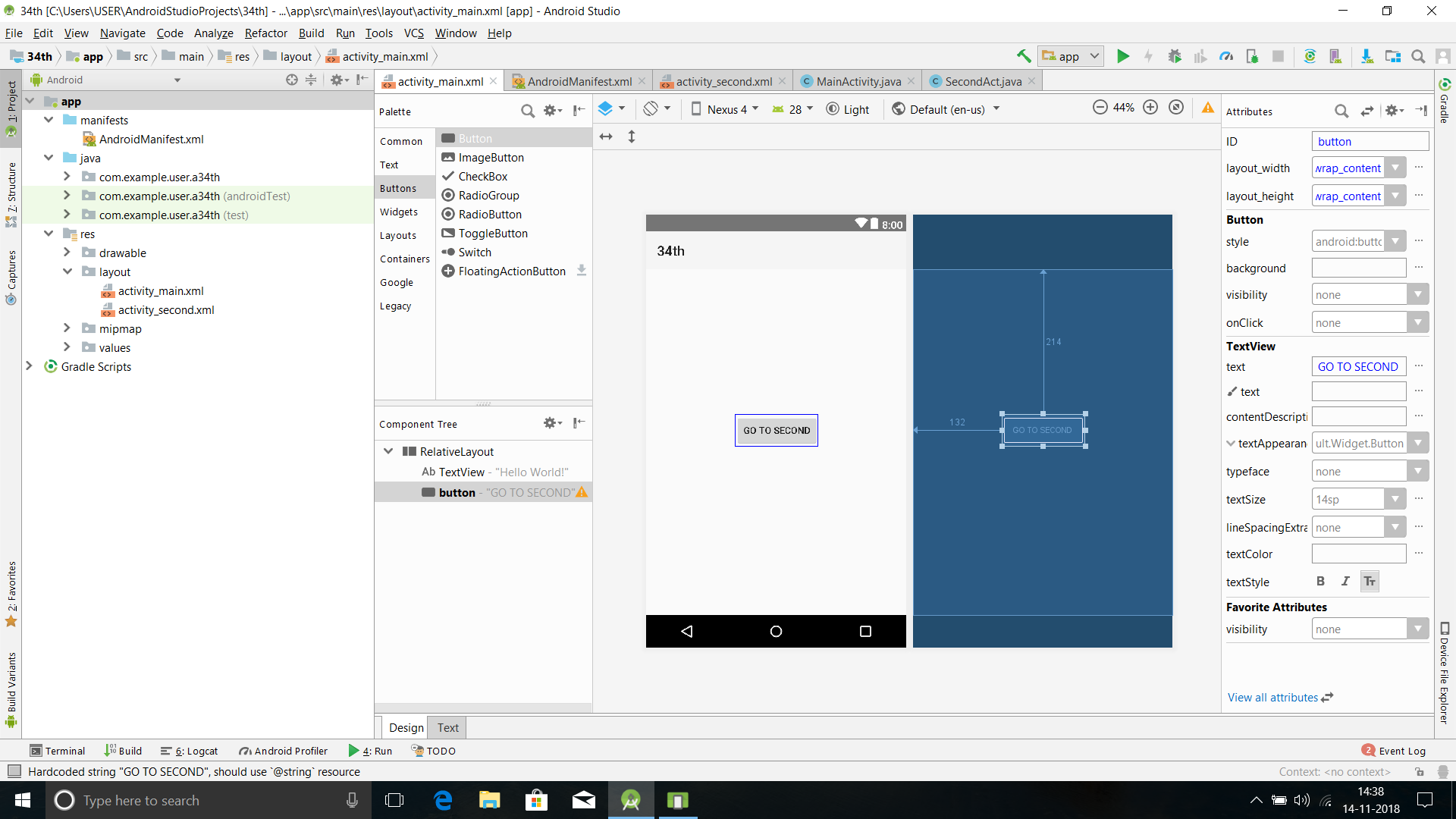
**package** com.example.user.a31th;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **final Button btn=findViewById(R.id.*button*);  
 final EditText e1=findViewById(R.id.*editText*);  
 final EditText e2=findViewById(R.id.*editText2*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {**

**String ID,PASS;  
 ID = e1.getText().toString();  
 PASS = e2.getText().toString();  
 if(ID.equals("IMRD")&& PASS.equals("12345"))  
 {  
 Toast.*makeText*(MainActivity.this,"valid Credential",Toast.*LENGTH\_SHORT*).show();  
  
 }  
 else  
 {  
 Toast.*makeText*(MainActivity.this," WRONG Credetial",Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 });**  
 }  
}

Assignment No 4 :-Android program to use Android **Explicit Intent** that **calls one activity** **from another and vice versa**.

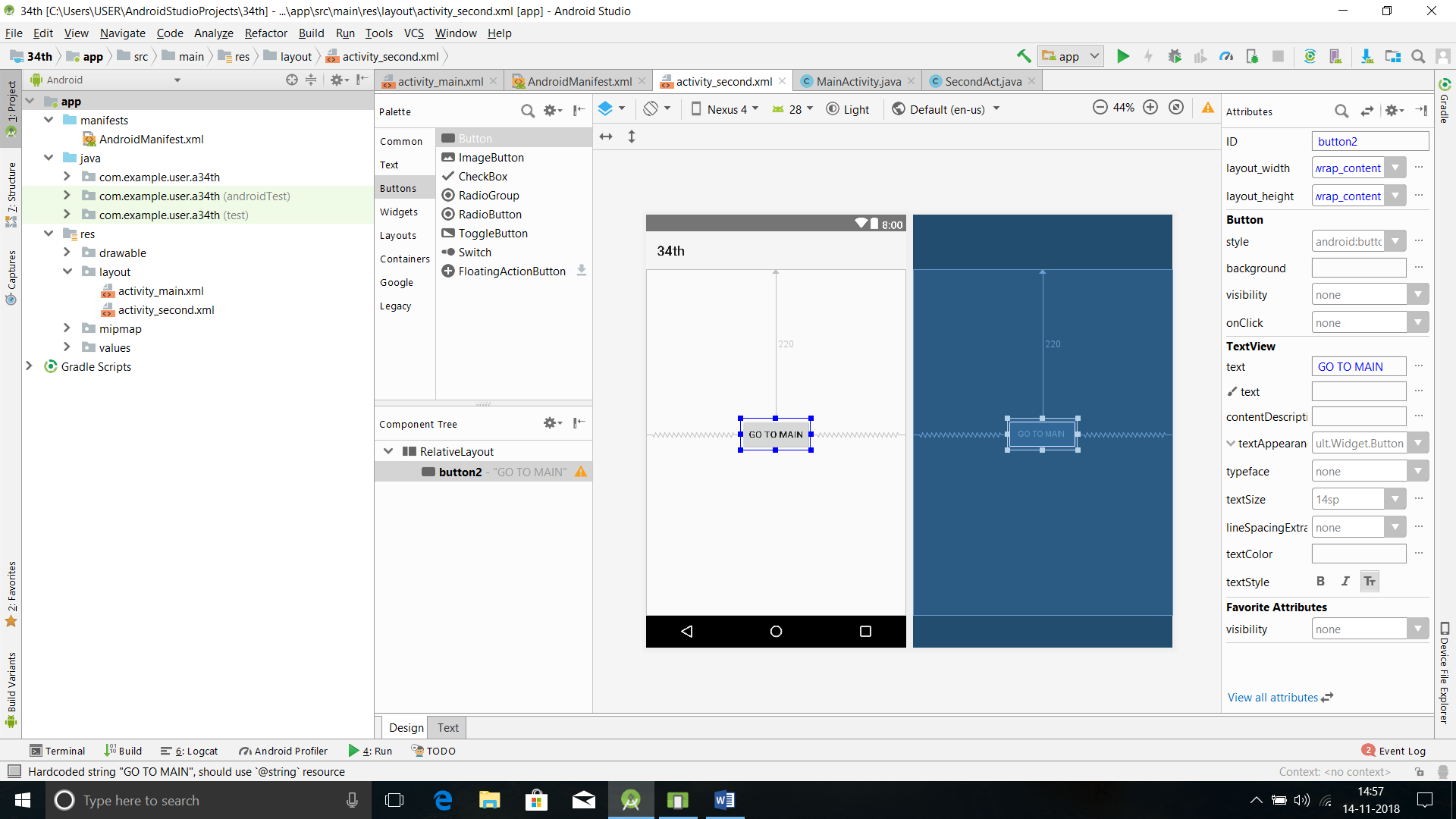
**ACTIVITY\_MAIN**

**DESIGN**



*<?***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:layout\_width="wrap\_content"  
 android:layout\_height="0dp"  
 android:text="Hello World!"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginStart="132dp"  
 android:layout\_marginTop="214dp"  
 android:text="GO TO SECOND"** />  
  
</**RelativeLayout**>

**SECOND\_ACTIVITY.XML**



*<?***xml version="1.0" encoding="utf-8"***?>*<**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"**>  
  
 <**Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="220dp"  
 android:text="GO TO MAIN"  
 tools:layout\_editor\_absoluteX="132dp"  
 tools:layout\_editor\_absoluteY="221dp"** />  
</**RelativeLayout**>

**ANDROID.MANIFEST**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.user.a34th"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
  
 **</activity>**

**<activity android:name=".SecondAct">  
  
 </activity>**  
 </**application**>  
  
</**manifest**>

**MAIN\_ACTIVITY .JAVA**

**package** com.example.user.a34th;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **final Button btn=findViewById(R.id.*button*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent i = new Intent(MainActivity.this,SecondAct.class);  
 startActivity(i);  
  
 }  
 });**  
 }  
}

**SECOND\_ACT.JAVA**

**package** com.example.user.a34th;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.support.annotation.Nullable;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** SecondAct **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(@Nullable Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
  
 setContentView(R.layout.***activity\_second***);  
 **Button btn = findViewById(R.id.*button2*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent i = new Intent(SecondAct.this,MainActivity.class);  
 startActivity(i);  
 }  
 });**  
 }  
}