Mainactivity.java

**package** com.example.a3button;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 Button btnOpenActivity = findViewById(R.id.***btnOpenActivity***);  
 btnOpenActivity.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent intent = **new** Intent(MainActivity.**this**, MainActivity2.**class**);  
 startActivity(intent);  
 }  
 });  
 }  
}

activity.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center"  
 android:padding="16dp"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World! This is my first activity"  
 android:textStyle="bold"  
 android:textSize="20sp"  
 android:layout\_marginBottom="20dp"** />  
  
 <**Button  
 android:id="@+id/btnOpenActivity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Open Second Activity"  
 android:layout\_marginTop="20dp"**/>  
</**LinearLayout**>

Mainactivity2.java

**package** com.example.a3button;  
**import** android.os.Bundle;  
**import** androidx.appcompat.app.AppCompatActivity;  
**public class** MainActivity2 **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 }}

activity2.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center"**>  
  
 <**TextView  
 android:id="@+id/txtActivity2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Welcome to Activity 2!"  
 android:textSize="18sp"  
 android:textStyle="bold"**/>  
</**LinearLayout**>

Manifest.xml

<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"**>  
  
 <**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/Theme.3button"  
 tools:targetApi="31"**>  
  
 *<!-- Main Activity -->* <**activity  
 android:name=".MainActivity"  
 android:exported="true"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
  
 *<!-- Second Activity -->* <**activity  
 android:name=".MainActivity2"  
 android:exported="true"**/>  
  
 </**application**>  
  
</**manifest**>

Dependency

dependencies {  
 *// AndroidX dependencies* implementation **'androidx.appcompat:appcompat:1.4.1'** implementation **'com.google.android.material:material:1.5.0'** implementation **'androidx.constraintlayout:constraintlayout:2.1.3'** implementation **'com.google.android.material:material:1.9.0'** *// Unit test dependencies* testImplementation **'junit:junit:4.13.2'** *// Android Instrumentation test dependencies* androidTestImplementation **'androidx.test.ext:junit:1.1.3'** androidTestImplementation **'androidx.test.espresso:espresso-core:3.4.0'**}