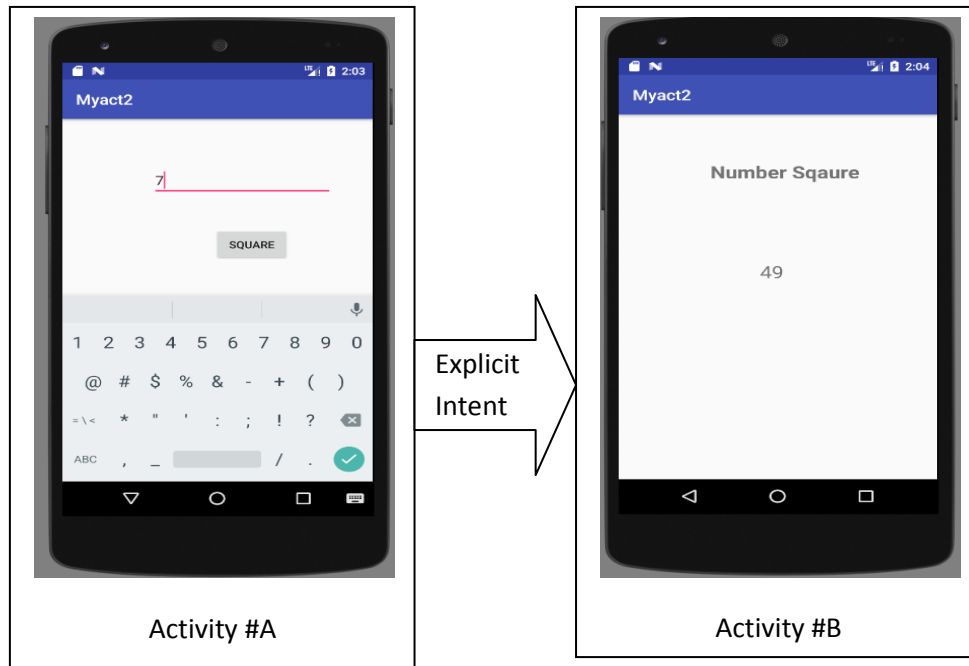


Explicit Intents: specify the component to start by name (the fully-qualified class name). You'll typically use an explicit intent to start a component in your own app, because you know the class name of the activity or service you want to start. For example, you can start a new activity in response to a user action or start a service to download a file in the background.



implicit intent: One that launches another app, without naming that specific app, to handle a given type of request or action. – examples: invoke default browser, show the user a location on a map



XML file

Activity #A	Activity #B
<pre><?xml version="1.0" encoding="utf-8"?> <android.support.constraint.ConstraintLayout 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="com.example.itech_mgr.myact2.MainA ctivity"> <Button android:id="@+id/squarenum" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginStart="176dp" android:layout_marginTop="44dp" android:onClick="GO" android:text="square" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toBottomOf="@+id/num" /> <EditText android:id="@+id/num" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginStart="104dp" android:layout_marginTop="64dp" android:ems="10" android:inputType="textPersonName" android:text="enter a number" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent" /> <Button android:id="@+id/visit" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginStart="176dp" android:layout_marginTop="108dp" android:onClick="zu" android:text="Zarqa Uni" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toBottomOf="@+id/squaren um" /> </android.support.constraint.ConstraintLayout></pre>	<pre><?xml version="1.0" encoding="utf-8"?> <android.support.constraint.ConstraintLayout 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="com.example.itech_mgr.myact2.ACTpa ge"> <TextView android:id="@+id/textView" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginStart="104dp" android:layout_marginTop="64dp" android:text="Number Sqaure" android:textSize="24sp" android:textStyle="bold" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toTopOf="parent" /> <TextView android:id="@+id/result" android:layout_width="wrap_content" android:layout_height="wrap_content" android:layout_marginStart="160dp" android:layout_marginTop="108dp" android:text="result" android:textSize="24sp" app:layout_constraintStart_toStartOf="parent" app:layout_constraintTop_toBottomOf="@+id/textVie w" /> </android.support.constraint.ConstraintLayout></pre>

JAVA file

Activity #A	Activity #B
<pre> import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; public class MainActivity extends AppCompatActivity { EditText mynum; Button seq; Button btzu; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); mynum=(EditText) findViewById(R.id.num); seq=(Button) findViewById(R.id.squarenum); btzu=(Button) findViewById(R.id.visit); } public void GO (View v) { int a; a=Integer.parseInt(mynum.getText().toString()); a=a*a; Intent i = new Intent(MainActivity.this, ACTpage.class); i.putExtra("result",a); startActivity(i); } public void zu (View v) { Uri webpage = Uri.parse("http://www.zu.edu.jo/"); startActivity(new Intent(Intent.ACTION_VIEW, webpage)); } </pre>	<pre> package com.example.itech_mgr.myact2; import android.content.Intent; import android.support.v7.app.AppCompatActivity; import android.os.Bundle; import android.widget.TextView; public class ACTpage extends AppCompatActivity { TextView res; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity_actpage); res=findViewById(R.id.result); Intent i2= new Intent(); i2=getIntent(); int v=0; int b=i2.getIntExtra("result", v); String m= String.valueOf(b); res.setText(m); } } </pre>