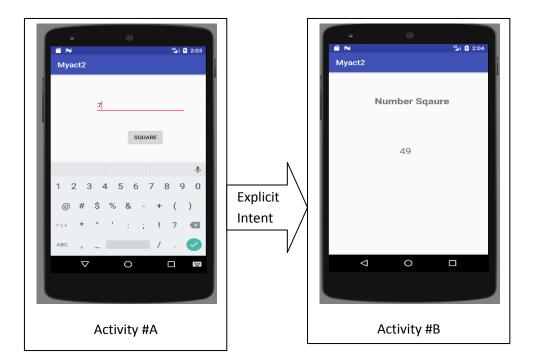
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Explicit Intents: specify the component to start by name (the fully-qualified class name). You'll typically use an explicit intent to start a component in your own app, because you know the class name of the activity or service you want to start. For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



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XML file

```
Activity #A
                                                                          Activity #B
<?xml version="1.0" encoding="utf-8"?>
                                                     <?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout</pre>
                                                     <android.support.constraint.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res
                                                     xmlns:android="http://schemas.android.com/apk/res
/android"
                                                     /android"
xmlns:app="http://schemas.android.com/apk/res-
                                                     xmlns:app="http://schemas.android.com/apk/res-
auto"
                                                     auto"
xmlns:tools="http://schemas.android.com/tools"
                                                     xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
                                                         android:layout width="match parent"
    android:layout height="match parent"
                                                         android:layout height="match parent"
tools:context="com.example.itech_mgr.myact2.MainA
                                                     tools:context="com.example.itech mgr.myact2.ACTpa
ctivity">
                                                         <TextView
    <Button
        android:id="@+id/squarenum"
                                                             android:id="@+id/textView"
        android:layout width="wrap content"
                                                             android:layout width="wrap content"
        android:layout_height="wrap_content"
                                                             android:layout_height="wrap_content"
        android:layout marginStart="176dp"
                                                             android:layout_marginStart="104dp"
        android:layout marginTop="44dp"
                                                             android:layout marginTop="64dp"
        android:onClick="GO"
                                                             android:text="Number Sqaure"
        android: text="square"
                                                             android:textSize="24sp"
                                                             android:textStyle="bold"
app:layout constraintStart toStartOf="parent"
                                                     app:layout constraintStart toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/num" />
                                                             app:layout_constraintTop_toTopOf="parent"
                                                     />
    <EditText
        android:id="@+id/num"
                                                         <TextView
        android:layout width="wrap content"
                                                             android:id="@+id/result"
        android: layout_height="wrap_content"
                                                             android:layout_width="wrap_content"
                                                             android: layout height="wrap content"
        android:layout marginStart="104dp"
        android:layout marginTop="64dp"
                                                             android:layout marginStart="160dp"
        android: ems = "1\overline{0}"
                                                             android:layout_marginTop="108dp"
        android:inputType="textPersonName"
                                                             android: text="result"
        android:text="enter a number"
                                                             android: textSize="24sp"
app:layout constraintStart toStartOf="parent"
                                                     app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
/>
                                                     app:layout constraintTop toBottomOf="@+id/textVie
                                                     w" />
    <Button
                                                     </android.support.constraint.ConstraintLayout>
        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
11m" />
</android.support.constraint.ConstraintLayout>
```

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JAVA file

```
Activity #A
                                                                          Activity #B
import android.os.Bundle;
                                                    package com.example.itech mgr.myact2;
import android.view.View;
import android.widget.Button;
                                                     import android.content.Intent;
import android.widget.EditText;
                                                     import android.support.v7.app.AppCompatActivity;
                                                     import android.os.Bundle;
public class MainActivity extends
                                                     import android.widget.TextView;
AppCompatActivity {
   EditText mynum;
                                                    public class ACTpage extends AppCompatActivity {
  Button seq;
                                                      TextView res;
   Button btzu;
                                                        @Override
                                                        protected void onCreate(Bundle
    @Override
    protected void onCreate(Bundle
                                                     savedInstanceState) {
savedInstanceState) {
                                                             super.onCreate(savedInstanceState);
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
                                                     setContentView(R.layout.activity actpage);
        mynum=(EditText) findViewById(R.id.num);
                                                             res=findViewById(R.id.result);
        seq=(Button) findViewById(R.id.squarenum);
                                                             Intent i2= new Intent();
       butzu=(Button) findViewById(R.id.visit);
                                                             i2=getIntent();
                                                             int v=0;
                                                             int b=i2.getIntExtra("result", v);
public void GO (View v)
                                                             String m= String.valueOf(b);
                                                             res.setText(m);
        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));
}
```