Android Explicit Intent

**Android Explicit intent** specifies the component to be invoked from activity. In other words, we can call another activity in android by explicit intent.

We can also pass the information from one activity to another using explicit intent.

Here, we are going to see an example to call one activity from another and vice-versa.

Android calling one activity from another activity example

Let's see the simple example of android explicit example that calls one activity from another and vice versa.

activity\_main.xml

*File: activity\_main.xml*

1. **<RelativeLayout** xmlns:androclass="http://schemas.android.com/apk/res/android"
2. xmlns:tools="http://schemas.android.com/tools"
3. android:layout\_width="match\_parent"
4. android:layout\_height="match\_parent"
5. tools:context=".MainActivity" **>**
7. **<Button**
8. android:id="@+id/Button01"
9. android:layout\_width="wrap\_content"
10. android:layout\_height="wrap\_content"
11. android:layout\_alignParentLeft="true"
12. android:layout\_below="@+id/TextView01"
13. android:layout\_marginLeft="65dp"
14. android:layout\_marginTop="38dp"
15. android:onClick="onClick"
16. android:text="Call second activity" **/>**
18. **<TextView**
19. android:id="@+id/TextView01"
20. android:layout\_width="wrap\_content"
21. android:layout\_height="wrap\_content"
22. android:layout\_alignLeft="@+id/Button01"
23. android:layout\_alignParentTop="true"
24. android:layout\_marginLeft="18dp"
25. android:layout\_marginTop="27dp"
26. android:minHeight="60dip"
27. android:text="First Activity"
28. android:textSize="20sp" **/>**
30. **</RelativeLayout>**

activitytwo\_main.xml

*File: activitytwo\_main.xml*

1. **<RelativeLayout** xmlns:androclass="http://schemas.android.com/apk/res/android"
2. xmlns:tools="http://schemas.android.com/tools"
3. android:layout\_width="match\_parent"
4. android:layout\_height="match\_parent"
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12. android:layout\_below="@+id/TextView01"
13. android:layout\_marginLeft="65dp"
14. android:layout\_marginTop="38dp"
15. android:onClick="onClick"
16. android:text="Call First activity" **/>**
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19. android:id="@+id/TextView01"
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21. android:layout\_height="wrap\_content"
22. android:layout\_alignLeft="@+id/Button01"
23. android:layout\_alignParentTop="true"
24. android:layout\_marginLeft="18dp"
25. android:layout\_marginTop="27dp"
26. android:minHeight="60dip"
27. android:text="Second Activity"
28. android:textSize="20sp" **/>**
30. **</RelativeLayout>**

ActivityOne class

*File: MainActivityOne.java*

1. **package** com.example.explicitintent2;
2. **import** android.os.Bundle;
3. **import** android.app.Activity;
4. **import** android.content.Intent;
5. **import** android.view.Menu;
6. **import** android.view.View;
7. **import** android.view.View.OnClickListener;
8. **import** android.widget.Button;
9. **import** android.widget.Toast;
10. **public** **class** ActivityOne **extends** Activity {
11. /\*\* Called when the activity is first created. \*/
12. @Override
13. **public** **void** onCreate(Bundle savedInstanceState) {
14. **super**.onCreate(savedInstanceState);
15. setContentView(R.layout.activity\_main);
16. Button button1=(Button)findViewById(R.id.Button01);
18. button1.setOnClickListener(**new** OnClickListener(){
19. **public** **void** onClick(View view) {
20. Intent i = **new** Intent(getApplicationContext(), ActivityTwo.**class**);
21. i.putExtra("Value1", "Android By Javatpoint");
22. i.putExtra("Value2", "Simple Tutorial");
23. // Set the request code to any code you like, you can identify the
24. // callback via this code
25. startActivity(i);
26. }
27. });
28. }
29. }

ActivityTwo class

*File: MainActivityTwo.java*

1. **package** com.example.explicitintent2;
2. **import** android.app.Activity;
3. **import** android.content.Intent;
4. **import** android.os.Bundle;
5. **import** android.view.View;
6. **import** android.view.View.OnClickListener;
7. **import** android.widget.Button;
8. **import** android.widget.EditText;
9. **import** android.widget.TextView;
10. **import** android.widget.Toast;
11. **public** **class** ActivityTwo **extends** Activity {
12. /\*\* Called when the activity is first created. \*/
13. @Override
14. **public** **void** onCreate(Bundle bundle) {
15. **super**.onCreate(bundle);
16. TextView tv=**new** TextView(**this**);
17. tv.setText("second activity");
18. setContentView(R.layout.activity\_two);
19. Bundle extras = getIntent().getExtras();
20. String value1 = extras.getString("Value1");
21. String value2 = extras.getString("Value2");
22. Toast.makeText(getApplicationContext(),"Values are:\n First value: "+value1+
23. "\n Second Value: "+value2,Toast.LENGTH\_LONG).show();
24. Button button1=(Button)findViewById(R.id.Button01);
25. button1.setOnClickListener(**new** OnClickListener(){
26. **public** **void** onClick(View view) {
27. Intent i = **new** Intent(getApplicationContext(), ActivityOne.**class**);
28. startActivity(i);
29. }
30. });
31. }
32. }