

[Slide 8.20: Java source code: NextActivity.java](#)[Slide 9.1: Android user interface](#)[Home](#)

Java Source Code (Cont.)

Line 10: `import android.widget.TextView;`

Displays text to the user and optionally allows them to edit it. A `TextView` is a complete text editor, however the basic class is configured to not allow editing; see [EditText](#) for a subclass that configures the text view for editing.

Line 19: `final TextView tvView = (TextView) findViewById(
R.id.tvView);`

The method `findViewById` of the class [View](#) looks for a child view with the given id such as `R.id.tvView`.

Line 20: `Intent intent = getIntent();`

Create an intent, which is an abstract description of an operation to be performed. The intent is from the [MainActivity](#) using [startActivity](#) to launch the current activity.

Line 21: `String name = intent.getStringExtra("name");`

Retrieve extended data from the intent, where the "name" is the name of the desired item.

Line 22: `tvView.setText("Welcome, " + name);`

Set the text that this `TextView` is to display and also sets whether it is stored in a styleable/spannable buffer and whether it is editable.

[HelloWorld/app/src/main/java/com/example/wenchen/helloworld/NextActivity.java](#)

```
01 package com.example.wenchen.helloworld;  
02  
03 import android.app.Activity;  
04 import android.content.Intent;  
05 import android.os.Bundle;  
06 import android.view.Menu;
```

```

07 import android.view.MenuItem;
08 import android.view.View;
09 import android.widget.Button;
10 import android.widget.TextView;
11
12 public class NextActivity extends Activity {
13     /** Called when the activity is first created. */
14     @Override
15     public void onCreate( Bundle savedInstanceState ) {
16         super.onCreate( savedInstanceState );
17         setContentView( R.layout.activity_next );
18
19         final TextView tvView = (TextView) findViewById( R.id.tvView );
20         Intent intent = getIntent( );
21         String name = intent.getStringExtra( "name" );
22         tvView.setText( "Welcome, " + name );
23         final Button button = (Button) findViewById( R.id.home );
24         button.setOnClickListener(
25             new View.OnClickListener( ) {
26                 public void onClick( View v ) {
27                     Intent i = new Intent( NextActivity.this, MainActivity.class );
28                     startActivity( i );
29                 }
30             }
31         );
32     }
33
34     @Override
35     public boolean onCreateOptionsMenu( Menu menu ) {
36         // Inflate the menu; this adds items to the action bar if it is present.
37         getMenuInflater( ).inflate( R.menu.menu_next, menu );
38         return true;
39     }
40
41     @Override
42     public boolean onOptionsItemSelected( MenuItem item ) {
43         // Handle action bar item clicks here. The action bar will
44         // automatically handle clicks on the Home/Up button, so long
45         // as you specify a parent activity in AndroidManifest.xml.
46         int id = item.getItemId( );
47
48         // noinspection SimplifiableIfStatement
49         if ( id == R.id.action_settings ) {
50             return true;
51         }
52         else if ( id == R.id.home ) {
53             Intent i = new Intent( NextActivity.this, MainActivity.class );
54             startActivity( i );
55         }
56         return super.onOptionsItemSelected( item );
57     }
58 }

```

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Slide 9.1: Android user interface

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