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Layout XML Code (Cont.)

Line 15: EditText class

It is a subclass of `TextView` that configures itself to be editable. It is often used for providing an input or text field, especially in forms.

Line 19: Button class

It is a push-button widget and is a subclass of the class `TextView`.

Line 22: android:text="@string/next_page"

This attribute value references a string resource, "Next Page," by using the XML syntax:

    @[<package_name>:]<resource_type>/<resource_name>

but if the resources are from your own package such as

    @string/next_page in the file res/values/strings.xml

you do not need to specify the package name. To reference a system resource, you would need to include the package name. The `android` package contains resource classes used by applications included in the platform and defines application permissions for system features.

Line 23: android:id="@+id/next"

"`+id/label`" means that your resource will have an id value label, `next` in this case, and that resource label belongs to your application's name space. Therefore, the Java program can then reference the resource `next` such as

    output = (TextView) findViewById(R.id.next);

HelloWorld/app/src/main/res/layout/activity_main.xml

```
01  <LinearLayout
02    xmlns:android            = "http://schemas.android.com/apk/res/android"
03    android:orientation      = "vertical"
04    android:layout_width     = "fill_parent"
05    android:layout_height    = "fill_parent"
06    android:weightSum        = "1"
07    android:gravity          = "center">
08    <TextView
09      android:layout_width     = "wrap_content"
10      android:layout_height    = "wrap_content"
11      android:textAppearance   = "?android:attr/textAppearanceLarge"
12      android:text             = "Hello, your name:"
13      android:layout_weight    = "0.07"
14      android:textStyle        = "bold" />
15    <EditText
16      android:layout_width     = "216dp"
17      android:layout_height    = "wrap_content"
18      android:id               = "@+id/name" />
19    <Button
20      android:layout_width     = "wrap_content"
21      android:layout_height    = "wrap_content"
22      android:text             = "@string/next_page"
23      android:id               = "@+id/next" />
24  </LinearLayout>
```

Slide 8.9: Layout XML code (cont.)
Slide 8.11: Layout XML code (cont.)
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