

Slide 8.6: Layout XML code (cont.)

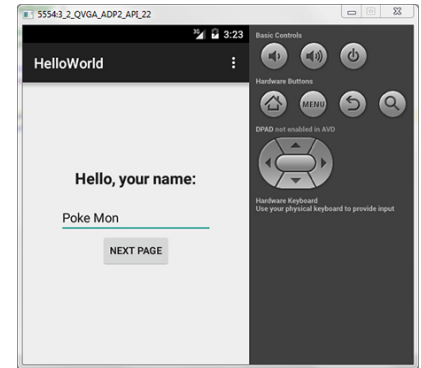
Slide 8.8: Layout XML code: activity_main.xml (cont.)

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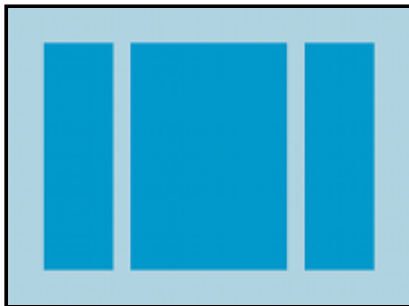


Layout XML Code (Cont.)

A layout defines the visual structure for a user interface, such as the UI for an activity or app widget. Below are some of the common layout types that are built into the Android platform. The layout file `activity_main.xml`, one of the two screens of this application, is given next.



Linear layout



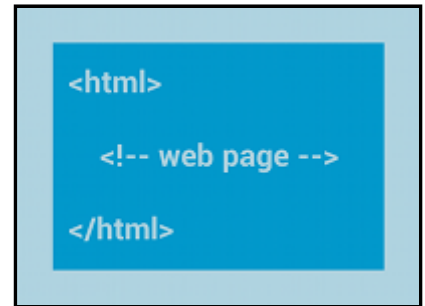
A layout that organizes its children into a single horizontal or vertical row. It creates a scrollbar if the length of the window exceeds the length of the screen.

Relative layout



Enables you to specify the location of child objects relative to each other (child A to the left of child B) or to the parent (aligned to the top of the parent).

Web view



Displays web pages.

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 8.6: Layout XML code \(cont.\)](#)

[Slide 8.8: Layout XML code \(cont.\)](#)

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