

[Slide 9.7: Radio buttons](#)[Slide 9.9: Radio buttons: Java source code](#)[Home](#)

Radio Buttons: Layout File

Line 08: [RadioGroup](#) class

This class is used to create a multiple-exclusion scope for a set of radio buttons. Checking one radio button that belongs to a radio group unchecks any previously checked radio button within the same group. Initially, all of the radio buttons are unchecked. While it is not possible to uncheck a particular radio button, the radio group can be cleared to remove the checked state. The selection is identified by the unique id of the radio button as defined in the XML layout file.

Line 11: [RadioButton](#) class

A radio button is a two-states button that can be either checked or unchecked. When the radio button is unchecked, the user can press or click it to check it. However, contrary to a [CheckBox](#), a radio button cannot be unchecked by the user once checked. Radio buttons are normally used together in a `RadioGroup`. When several radio buttons live inside a radio group, checking one radio button unchecks all the others.

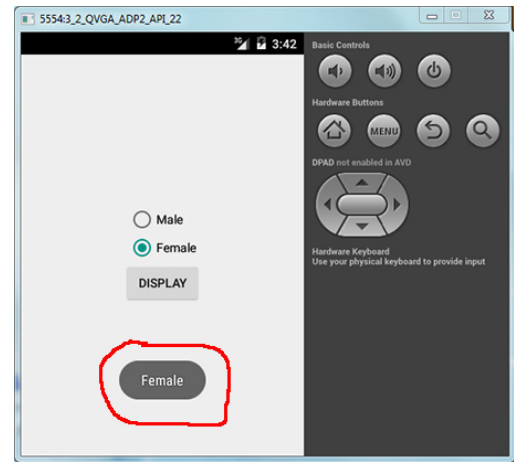
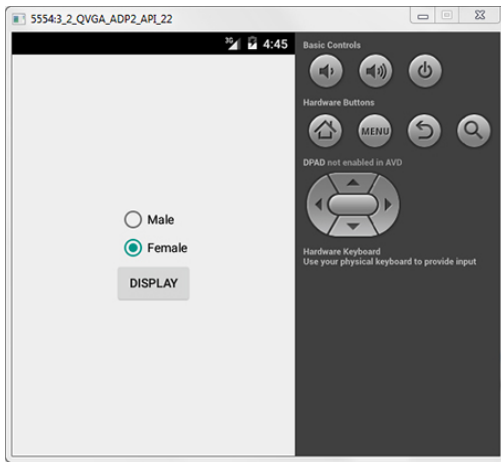
There are four IDs declared in this layout file:

- `RadioGroup: radioSex`,
- `RadioButton: radiomale` and `radiofemale` and
- `Button: btnDisplay`.

Selecting
Female &

pushing
DISPLAY





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

```

01 <?xml version="1.0" encoding="utf-8"?>
02 <LinearLayout
03     xmlns:android="http://schemas.android.com/apk/res/android"
04     android:layout_width = "fill_parent"
05     android:layout_height = "fill_parent"
06     android:orientation = "vertical"
07     android:gravity = "center">
08     <RadioGroup
09         android:id = "@+id/radioSex"
10         android:layout_width = "wrap_content"
11         android:layout_height = "wrap_content" >
12         <RadioButton
13             android:id = "@+id/radioMale"
14             android:layout_width = "wrap_content"
15             android:layout_height = "wrap_content"
16             android:text = "@string/radio_male"
17             android:checked = "true" />
18         <RadioButton
19             android:id = "@+id/radioFemale"
20             android:layout_width = "wrap_content"
21             android:layout_height = "wrap_content"
22             android:text = "@string/radio_female" />
23     </RadioGroup>
24     <Button
25         android:id = "@+id/btnDisplay"
26         android:layout_below = "@+id/radioSex"
27         android:layout_width = "wrap_content"
28         android:layout_height = "wrap_content"
29         android:text = "@string/btn_display" />
30 </LinearLayout>

```

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Slide 9.9: Radio buttons: Java source code

Home



