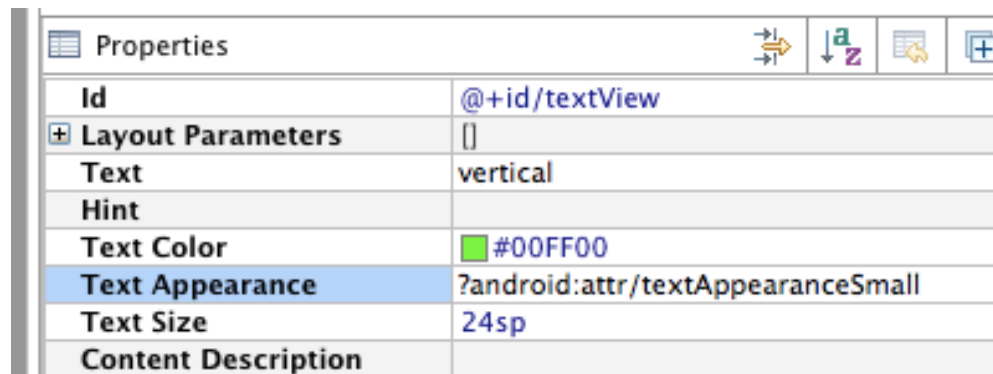


UI Element – RadioGroup

1. Create a new Android Application Project with the following attributes:
 - a. Application Name: UIRadioGroup
 - b. Icon: default image
 - c. Activity Name: RadioGroupActivity
 - d. Layout Name: main
2. Create the xml file:
 - a. Change the background of the screen to an image by following these steps:
 1. Right-click res folder then choose New>Folder, folder name is raw.
 2. Drag any image(jpg or png) from your computer into the raw folder.
 3. Click main.xml. Within the LinearLayout tag, type:
android:background = "@raw/"
 4. Press ctrl+spacebar, the filename of your image should appear, then press enter.
 - b. Drag a TextView with the following properties:



Properties	
Id	@+id/textView
Layout Parameters	[]
Text	vertical
Hint	
Text Color	#00FF00
Text Appearance	?android:attr/textAppearanceSmall
Text Size	24sp
Content Description	

*Text Appearance may be left blank.

- c. Drag a RadioGroup element to the screen with the following properties in the main.xml file:

```

<RadioGroup
    android:layout_width="fill_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical" >

    <RadioButton
        android:id="@+id/choice1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Choice 1"
        android:textColor="#00ff00"
        android:textSize="24sp" />

    <RadioButton
        android:id="@+id/choice2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Choice 2"
        android:textColor="#00ff00"
        android:textSize="24sp" />

    <RadioButton
        android:id="@+id/choice3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Choice 3"
        android:textColor="#00ff00"
        android:textSize="24sp" />
</RadioGroup>

```

- c. Add another option by dragging a RadioButton element with the following properties:

Id: choice4

Text: "Choice 4"

Text Color: "#00ff00"

Text Size: "24sp"

- d. Save main.xml.

3. Write the following java source code in RadioGroupActivity:

```

final TextView tv = (TextView) findViewById(R.id.textView);

final OnClickListener radioListener = new OnClickListener() {
    @Override
    public void onClick(View v) {
        RadioButton rb = (RadioButton) v;
        tv.setText(rb.getText() + " chosen");
    }
};

final RadioButton choice1 = (RadioButton) findViewById(R.id.choice1);
choice1.setOnClickListener(radioListener);

final RadioButton choice2 = (RadioButton) findViewById(R.id.choice2);
choice2.setOnClickListener(radioListener);

final RadioButton choice3 = (RadioButton) findViewById(R.id.choice3);
choice3.setOnClickListener(radioListener);

```

4. Save and run the program.

