

Radio Button

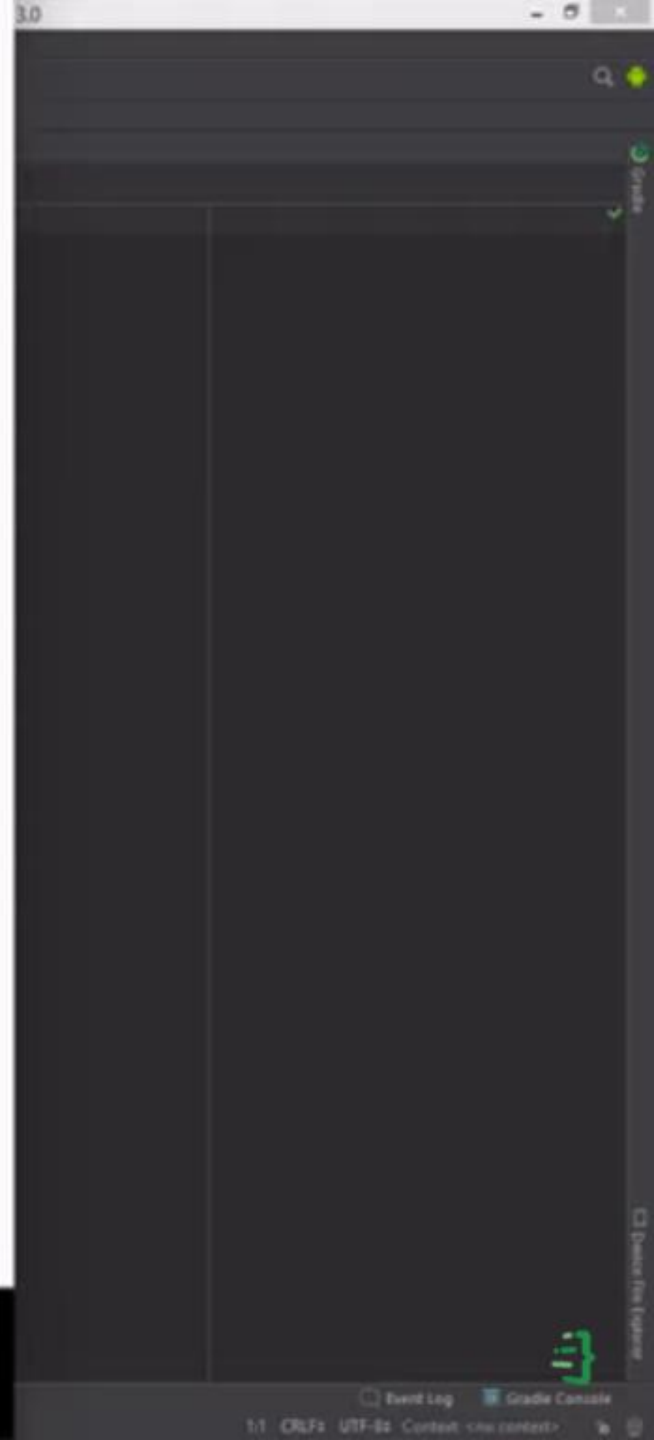
Dhanya N.M.

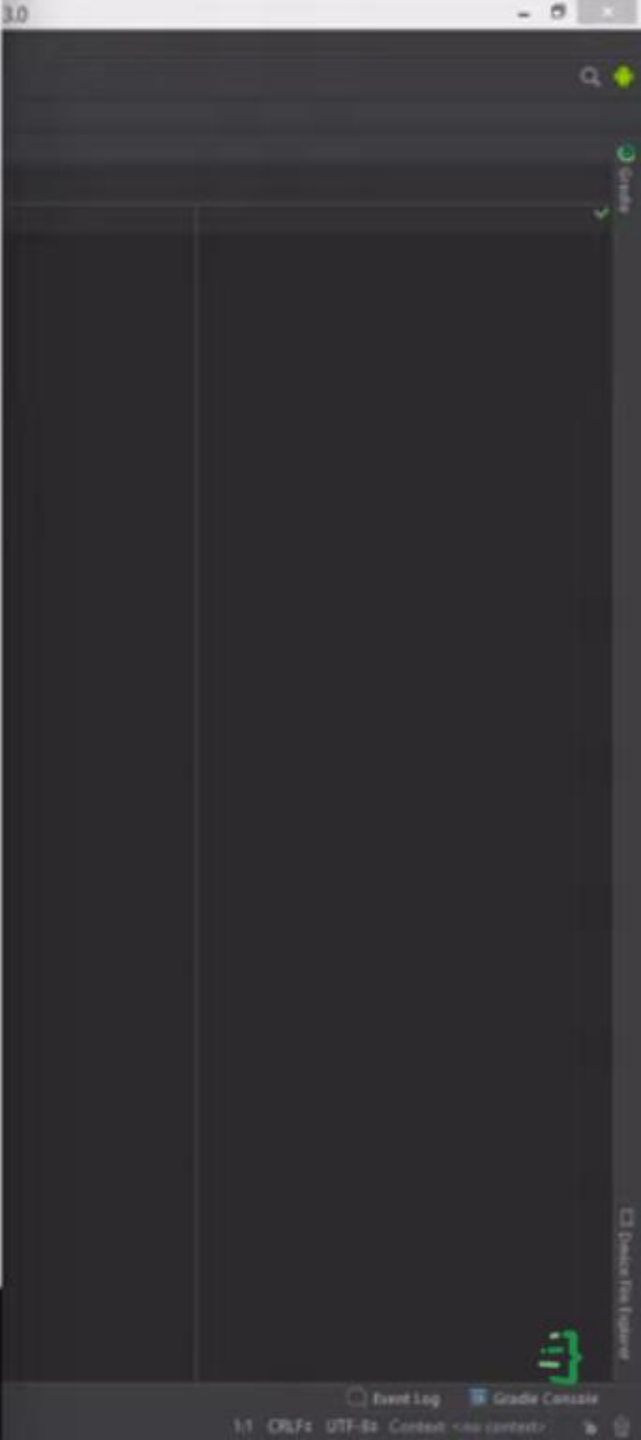
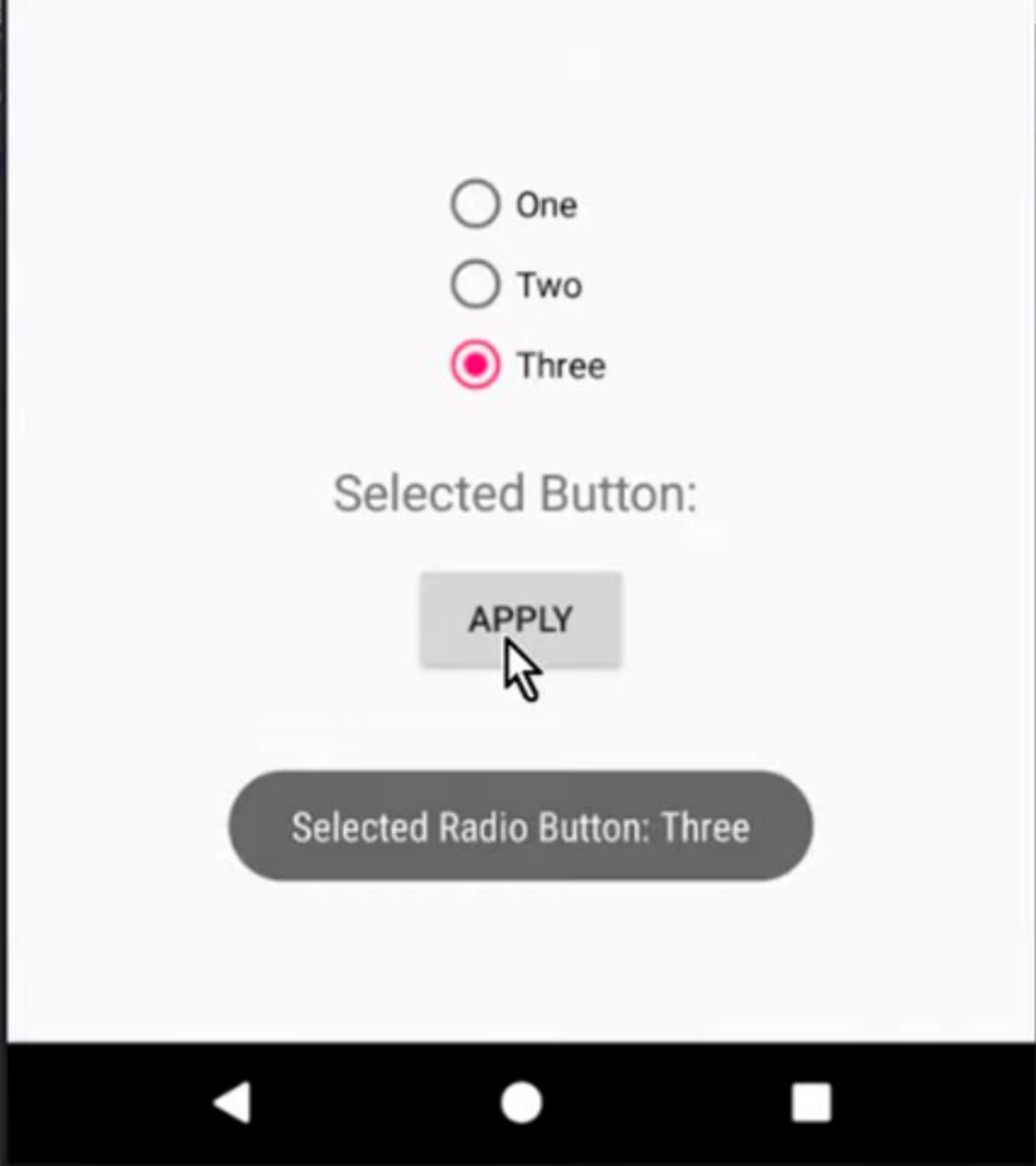


- ☒ One
- ☐ Two
- ☐ Three

Selected Button:

APPLY





Android Studio interface showing the project structure on the left. The project is named "RadioButtonExample" and is an Android application. The "Gradle Scripts" folder is expanded, showing the "app" subfolder. The bottom status bar indicates the build is finished.

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window

RadioButtonExample app src main java com coding

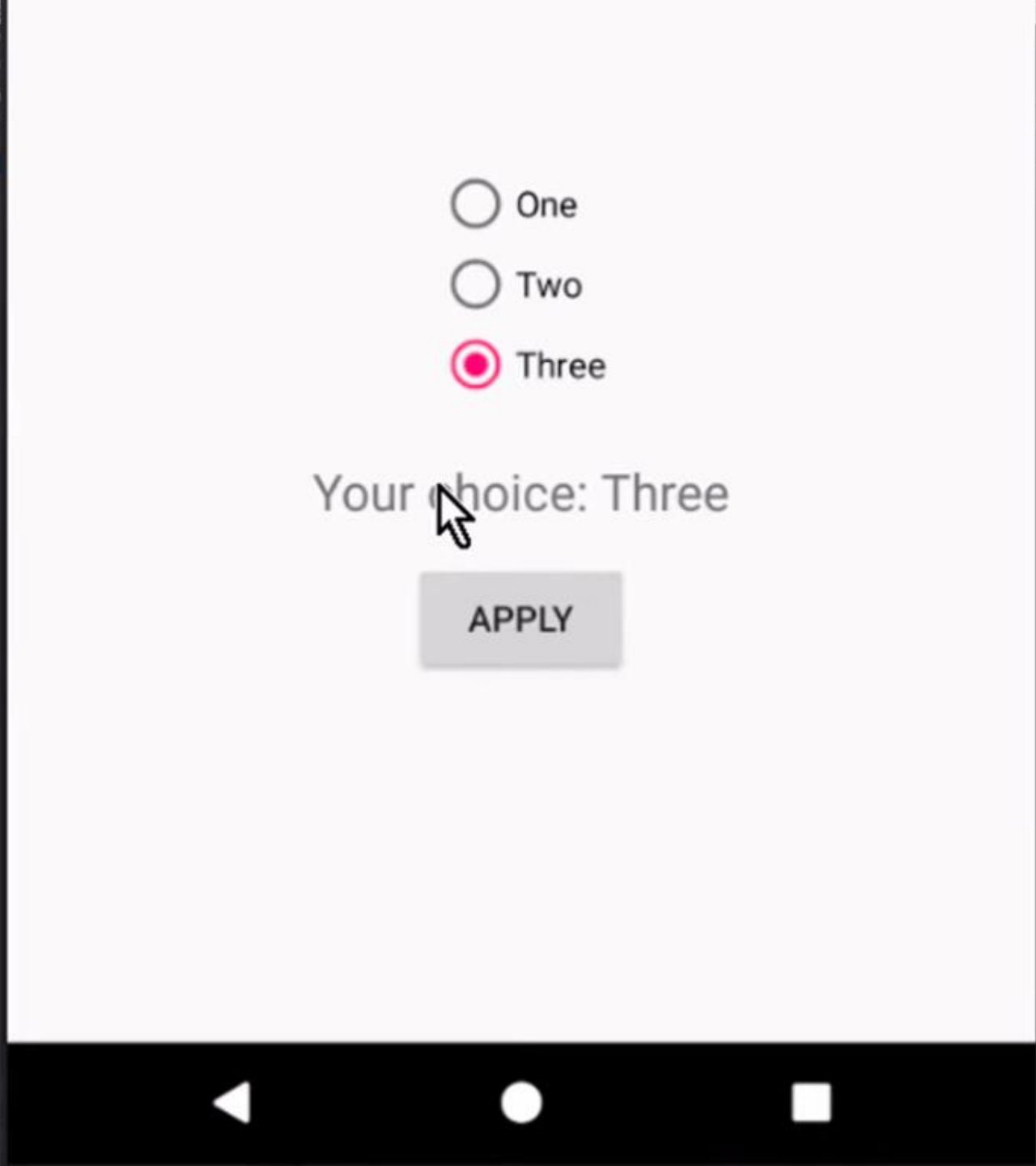
Android

app

Gradle Scripts

Logcat Messages Terminal TODO

Gradle build finished in 8s.007ms (3 minutes ago)



Android Studio interface showing the Gradle console on the right. The console displays the output of the build process, including the message "Gradle build finished in 8s.007ms (3 minutes ago)".

3.0

Gradle

Device File Explorer

Event Log Gradle Console

1:1 CRLF: UTF-8 Context: <no context>

Android Studio interface showing the project structure and build logs.

Project Structure:

- app
- src
- main
- java
- com
- coding

Build Logs:

```
Gradle build finished in 8s 807ms (3 minutes ago)
```

Radio Button Example

☐ One

☒ Two

☐ Three

Your choice: Two

APPLY

Selected Radio Button: Two

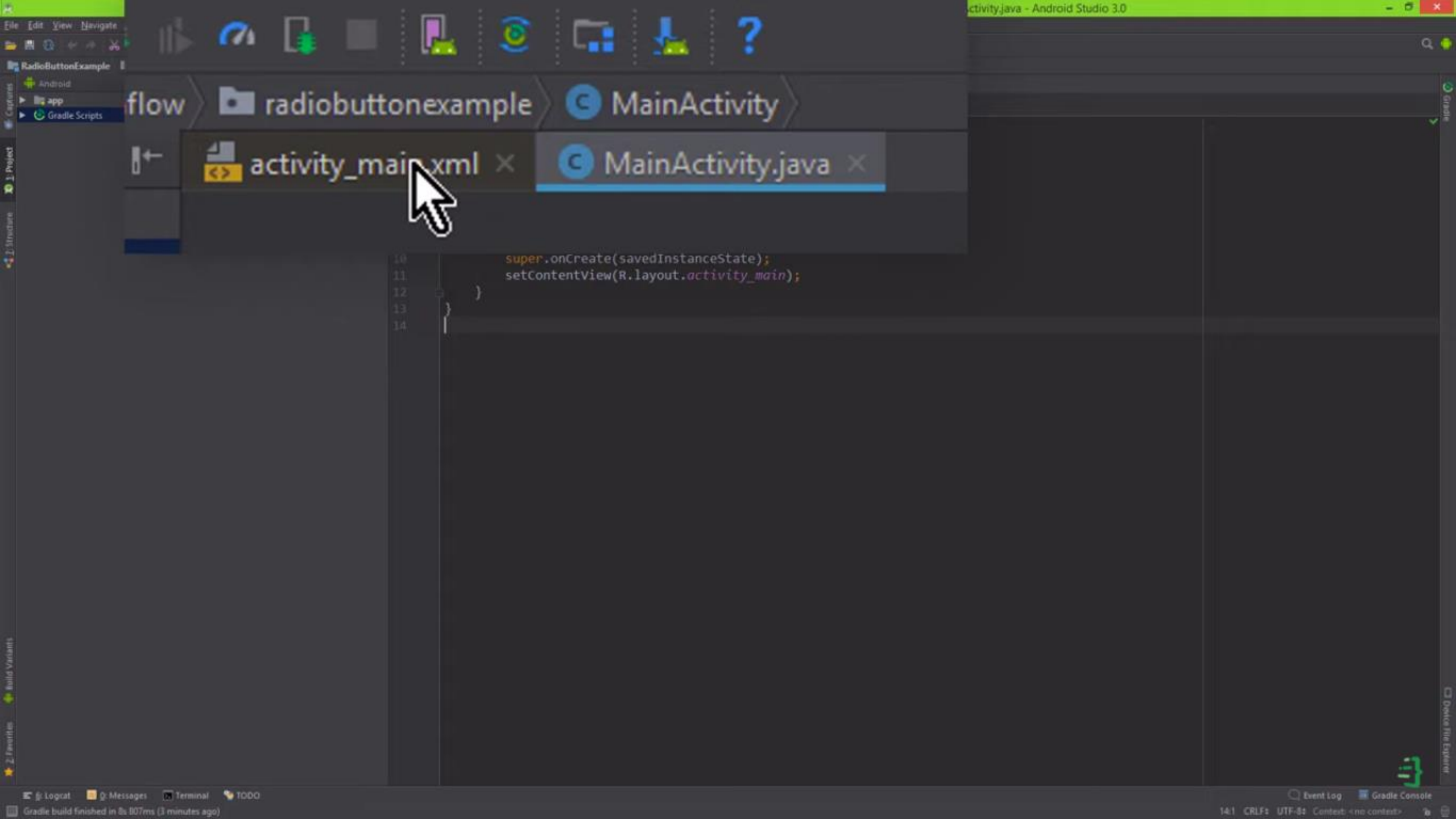
Android Studio interface showing the project structure and build logs.

Project Structure:

- app
- src
- main
- java
- com
- coding

Build Logs:

```
Gradle build finished in 8s 807ms (3 minutes ago)
```



```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context="com.codinginflow.radiobuttonexample"
```

```
</RelativeLayout>
```



```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context="com.codinginflow.radiobuttonexample"
```

<Ra

RadioButton

</R

RadioGroup

★ RatingBar

□ FrameLayout

android.support.v7.widget.AppCompatRadioButtc

android.support.v7.widget.AppCompatRatingBar

android.inputmethodservice.ExtracEditText

android.support.constraint.ConstraintLayout

android.support.v4.app.FragmentTabHost

android.support.v4.widget.DrawerLayout

android.support.v7.view.menu.MenuTtemlApponT

Press Strg+Leertaste to view tags from other namespaces



```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
android:layout_width="match_parent"  
android:layout_height="match_parent"  
tools:context="com.codinginflow.radiobuttonexam
```

```
<RadioGroup  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"></RadioGroup>
```

```
</RelativeLayout>
```

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context="com.codinginflow.radiobuttonexam  
  
    <RadioGroup  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content">  
  
        |  
  
        </RadioGroup>  
  
</RelativeLayout>
```



```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    tools:context="com.codinginflow.radiobuttonexample"  
  
    <RadioGroup  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content">  
  
        <RadioButton  
            android:layout_width="wrap_content"  
            android:layout_height="wrap_content" />  
  
    </RadioGroup>  
  
</RelativeLayout>
```



```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res-  
android" xmlns:app="http://schemas.android.com/apk/res-  
android" xmlns:tools="http://schemas.android.com/tools"  
android:layout_width="match_parent"  
android:layout_height="match_parent"  
tools:context="com.codinginflow.radiobuttonexample"
```

```
<RadioGroup
```

```
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content">
```

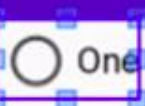
```
    <RadioButton
```

```
        android:id="@+id/radio_one"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="One"  
        android:onClick="checkButton"/>
```

Corresponding method handler 'public void checkButton(android.v

```
</RadioGroup>
```

```
</RelativeLayout>
```



<RadioButton

```
android:id="@+id/radio_one"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="One"  
android:onClick="checkButton"/>
```

<RadioButton

```
android:id="@+id/radio_one"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="One"  
android:onClick="checkButton"/>
```

<RadioButton

```
android:id="@+id/radio_one"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="One"  
android:onClick="checkButton"/>
```

- ☐ One
- ☐ One
- ☐ One

<RadioButton

```
    android:id="@+id/radio_one"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="One"  
    android:onClick="checkButton"/>
```

<RadioButton

```
    android:id="@+id/radio_two"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="One"  
    android:onClick="checkButton"/>
```

<RadioButton

```
    android:id="@+id/radio_three"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="One"  
    android:onClick="checkButton"/>
```

☐ One☐ One☐ One

<RadioButton

```
    android:id="@+id/radio_one"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="One"  
    android:onClick="checkButton"/>
```

<RadioButton

```
    android:id="@+id/radio_two"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Two"  
    android:onClick="checkButton"/>
```

<RadioButton

```
    android:id="@+id/radio_three"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Three"  
    android:onClick="checkButton"/>
```

☐ One

☐ Two

☐ Three



<RadioGroup

```
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_centerInParent="true">
```

<RadioButton

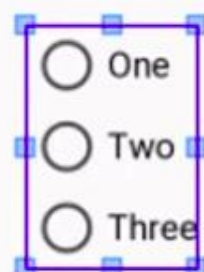
```
android:id="@+id/radio_one"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="One"  
android:onClick="checkButton"/>
```

<RadioButton

```
android:id="@+id/radio_two"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Two"  
android:onClick="checkButton"/>
```

<RadioButton

```
android:id="@+id/radio_three"
```



Radio Button Example

```
android:text="Two"  
android:onClick="checkButton"/>
```

```
<RadioButton
```

```
    android:id="@+id/radio_three"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Three"  
    android:onClick="checkButton"/>
```

```
</RadioGroup>
```

```
<TextView
```

```
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Your selection: "/>
```

```
</RelativeLayout>
```

Your selection:

☐ One

☐ Two

☐ Three



Radio Button Example

Your selection:

- ☐ One
- ☐ Two
- ☐ Three

```
android:text="Two"  
android:onClick="checkButton"/>
```

```
<RadioButton
```

```
    android:id="@+id/radio_three"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Three"  
    android:onClick="checkButton"/>
```

```
</RadioGroup>
```

```
<TextView
```

```
    android:id="@+id/text_view_selected"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Your selection: "/>
```

```
</RelativeLayout>
```



<RadioButton

```
    android:id="@+id/radio_three"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Three"  
    android:onClick="checkButton"/>
```

</RadioGroup>

<TextView

```
    android:id="@+id/text_view_selected"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/radioGroup"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="27dp"  
    android:text="Your selection: "  
    android:textSize="20sp" />
```

☐ One☐ Two☐ Three

Your selection:

</RelativeLayout>

```
</RadioGroup>
```

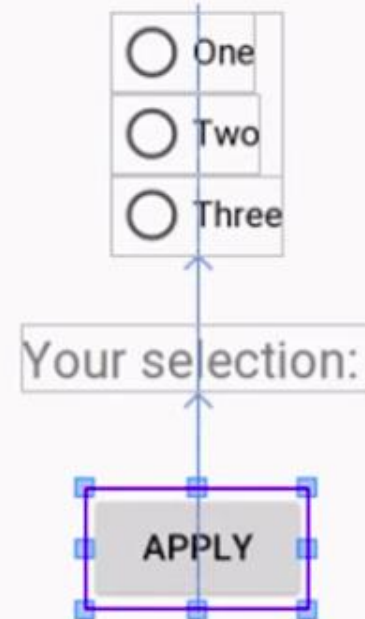
```
<TextView
```

```
    android:id="@+id/text_view_selected"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/radioGroup"  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="27dp"  
    android:text="Your selection: "  
    android:textSize="20sp" />
```

```
<Button
```

```
    android:id="@+id/button_apply"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_below="@+id/text_view_selec  
    android:layout_centerHorizontal="true"  
    android:layout_marginTop="37dp"  
    android:text="apply" />
```

Radio Button Example



<RadioGroup

```
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:layout_centerInParent="true"  
android:id="@+id/radioGroup">
```

<RadioButton

```
android:id="@+id/radio_one"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="One"  
android:onClick="checkButton"  
android:checked="true"/>
```

<RadioButton

```
android:id="@+id/radio_two"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Two"  
android:onClick="checkButton"/>
```

Radio Button Example



Your selection:

APPLY

MainActivity

```
1 package com.codinginflow.radiobuttonexample;
2
3 import ...
4
5
6
7
8
9 public class MainActivity extends AppCompatActivity {
10
11     RadioGroup radioGroup;
12     RadioButton radioButton;
13     TextView textView;
14
15     @Override
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_main);
19     }
20 }
21
```

```
9  public class MainActivity extends AppCompatActivity {
10
11      RadioGroup radioGroup;
12      RadioButton radioButton;
13      TextView textView;
14
15      @Override
16  protected void onCreate(Bundle savedInstanceState) {
17      super.onCreate(savedInstanceState);
18      setContentView(R.layout.activity_main);
19
20      radioGroup = findViewById(R.id.radioGroup);
21      textView = findViewById(R.id.text_view_selected);
22  }
23 }
24
```



```
13   RadioGroup radioGroup;
14   RadioButton radioButton;
15   TextView textView;
16
17   @Override
18   protected void onCreate(Bundle savedInstanceState) {
19       super.onCreate(savedInstanceState);
20       setContentView(R.layout.activity_main);
21
22       radioGroup = findViewById(R.id.radioGroup);
23       textView = findViewById(R.id.text_view_selected);
24
25       Button buttonApply = findViewById(R.id.button_apply);
26       buttonApply.setOnClickListener(new View.OnClickListener() {
27           @Override
28           public void onClick(View v) {
29               |
30           }
31       });
32   }
33 }
```

```
17 @Override
18 protected void onCreate(Bundle savedInstanceState) {
19     super.onCreate(savedInstanceState);
20     setContentView(R.layout.activity_main);
21
22     radioGroup = findViewById(R.id.radioGroup);
23     textView = findViewById(R.id.text_view_selected);
24
25     Button buttonApply = findViewById(R.id.button_apply);
26     buttonApply.setOnClickListener(new View.OnClickListener() {
27         @Override
28         public void onClick(View v) {
29
30         }
31     });
32 }
33 }
34
```

```
23     textView = findViewById(R.id.text_view_selected);
24
25     Button buttonApply = findViewById(R.id.button_apply);
26     buttonApply.setOnClickListener(new View.OnClickListener() {
27         @Override
28         public void onClick(View v) {
29
30         }
31     });
32 }
33
34 public void checkButton(View v) {
35
36 }
37 }
38
```



```
23     textView = findViewById(R.id.text_view_selected);
24
25     Button buttonApply = findViewById(R.id.button_apply);
26     buttonApply.setOnClickListener(new View.OnClickListener() {
27         @Override
28         public void onClick(View v) {
29
30         }
31     });
32 }
33
34 public void checkButton(View v) {
35     int radioId = radioGroup.getCheckedRadioButtonId();
36 }
37 }
38
```




```
23     textView = findViewById(R.id.text_view_selected);
24
25     Button buttonApply = findViewById(R.id.button_apply);
26     buttonApply.setOnClickListener(new View.OnClickListener() {
27         @Override
28         public void onClick(View v) {
29
30         }
31     });
32 }
33
34 public void checkButton(View v) {
35     int radioId = radioGroup.getCheckedRadioButtonId();
36
37     radioButton = findViewById(radioId);
38 }
39 }
40
```



```
24     textView = findViewById(R.id.text_view_selected);
25
26     Button buttonApply = findViewById(R.id.button_apply);
27     buttonApply.setOnClickListener(new View.OnClickListener() {
28         @Override
29         public void onClick(View v) {
30
31         }
32     });
33 }
```

```
34
35 public void checkButton(View v) {
36     int radioId = radioGroup.getCheckedRadioButtonId();
37
38     radioButton = findViewById(radioId);
```

```
40     Toast.makeText(context, this, "Selected Radio Button: " +
```

Context context, CharSequence text, int duration
Context context, @StringRes int resId, int duration

```
text_view_selected);
```

```
ById(R.id.button_apply);
```

```
r(new View.OnClickListener() {
```

```
v) {
```

```
checkedRadioButtonId();
```

```
radioId);
```

```
'Selected Radio Button: ' + radioButton.getText()
```

Context context, **CharSequence text**, int duration
Context context, **@StringRes int resId**, int duration



```
text_view_selected);
```

```
ById(R.id.button_apply);
```

```
r(new View.OnClickListener() {
```

```
v) {
```

```
checkedRadioButtonId();
```

```
radioId);
```

```
text: "Selected Radio Button: " + radioButton.getText(), Toast.LENGTH_SHORT).show();
```

```
}
```



```
24     textView = findViewById(R.id.text_view_selected);
25
26     Button buttonApply = findViewById(R.id.button_apply);
27     buttonApply.setOnClickListener(new View.OnClickListener() {
28         @Override
29         public void onClick(View v) {
30             int radioId = radioGroup.getCheckedRadioButtonId();
31
32             radioButton = findViewById(radioId);
33         }
34     });
35 }
36
37 public void checkButton(View v) {
38     int radioId = radioGroup.getCheckedRadioButtonId();
39
40     radioButton = findViewById(radioId);
41
42     Toast.makeText(context: this, text: "Selected Radio Button: " + radioButton.getText(), Toast.LENGTH_SHORT).show();
43 }
44 }
```

```
24     textView = findViewById(R.id.text_view_selected);
25
26     Button buttonApply = findViewById(R.id.button_apply);
27     buttonApply.setOnClickListener(new View.OnClickListener() {
28         @Override
29         public void onClick(View v) {
30             int radioId = radioGroup.getCheckedRadioButtonId();
31
32             radioButton = findViewById(radioId);
33
34             textView.setText("Your choice: " + radioButton.getText());
35         }
36     });
37 }
38
39 public void checkButton(View v) {
40     int radioId = radioGroup.getCheckedRadioButtonId();
41
42     radioButton = findViewById(radioId);
43
44     Toast.makeText(context, this, text: "Selected Radio Button: " + radioButton
```