Basic UI Controls

UI Controls

- Android provides a wide variety of controls you can use in your UI, such as buttons, text fields, progress bars, check box, radio button, toggle buttons, and many more.

TextView Control

TextView Control

- **TextView** is a user interface control which is used to set and display the text to the user .

- The TextView control will act as like label control and it won't allow users to edit the text.

Properties Of Control

Property	Description
android:id	This is the ID which uniquely identifies the control
android:fontFamily	This property specifies font family for control
android:hint	This property specifies hint for the control
android:gravity	Specifies how to align the text by the view's x- and/or y-axis
android:maxHeight	Specifies maximum height for the control
android:maxWidth	Specifies maximum width for the control
android:minHeight	Specifies minimum height for the control
android:minWidth	Specifies minimum width for the control
android:text	Display text

Cont...

android:textSize	Specifies text size . Recommended dimension type for text is "sp"(scaled-pixels) (example: 15sp).
android:textStyle	Style (bold, italic, bolditalic) for the text.
android:textAlignment	Specifies alignment of the text
android:textAllCaps	Specifies the text in ALL CAPS. Accept 2 values either "true" or "false".
android:textColor	Specifies text color
android:textColorHint	Specifies hint color
android:layout_width	Specifies width of the control
android:layout_height	Specifies height of the control

Layout Height And Width

- Layout height and width property has three value :-

- **match_parent :-** Used to define width or height of a view or control in full screen horizontally or vertically.

- **fill_parent :- fill_parent** and **match_parent** are same property, but now it has been deprecated and replaced by **match_parent** .

- **wrap_content :-** Used to define width or height of a view or control according to the content.

- **Note :-You can also specifies height and width in dp(Density-independent Pixels) also as per your requirement.**

About dp, dip, sp and px

- **dp**: <u>D</u>ensity <u>I</u>ndependent <u>P</u>ixel, it varies based on screen density . In 160 dpi screen, 1 dp = 1 pixel. Except for font size, use dp always.

- **dip**: dip == dp. In earlier Android versions dip was used and later changed to dp.

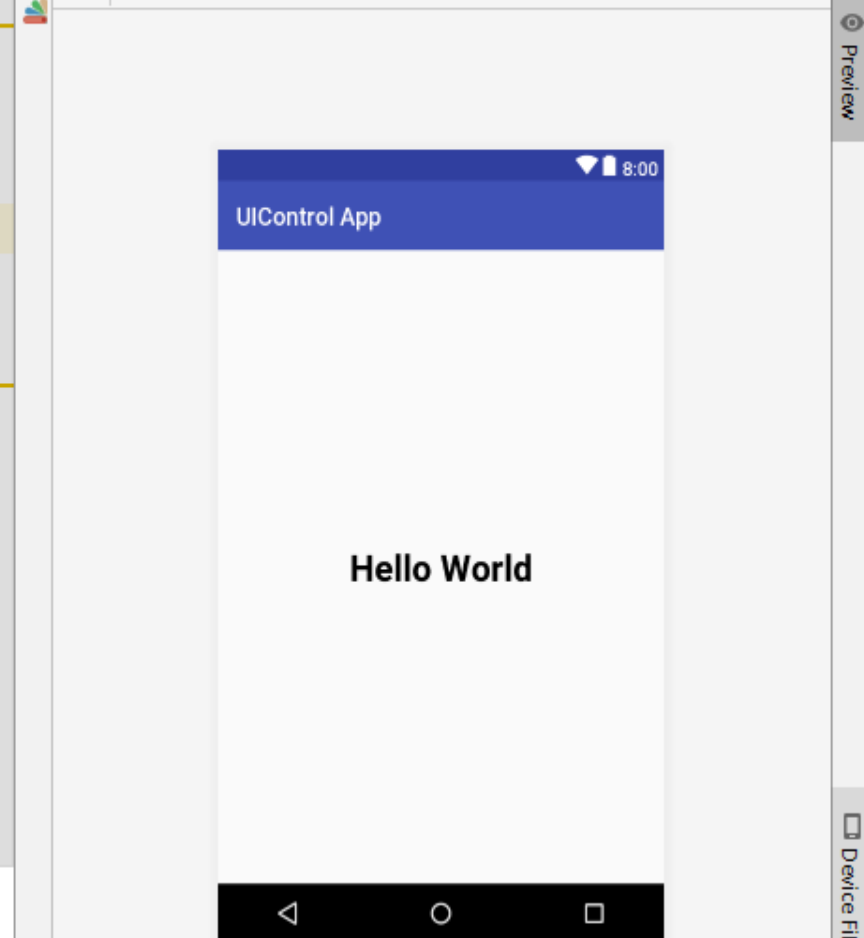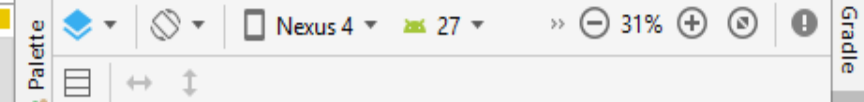# Cont…

- **sp**: Scale Independent Pixel, scaled based on user's font size preference. Fonts should use sp.

- **px**: our usual standard pixel which maps to the screen pixel.

- **Note :- Always use dp and sp only. sp for font sizes and dp for everything else.** It will make UI compatible for Android devices with different densities.

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

UIControlApp › app › src › main › res › layout › activity_textview.xml

activity_textview.xml   TextviewActivity.java

```xml
1    <?xml version="1.0" encoding="utf-8"?>
2    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        android:layout_width="match_parent"
6        android:layout_height="match_parent"
7        tools:context=".TextviewActivity">
8    <TextView
9        android:layout_width="match_parent"
10       android:layout_height="wrap_content"
11       android:text="Hello World"
12       android:id="@+id/tv1"
13       android:layout_gravity="center"
14       android:textAlignment="center"
15       android:textStyle="bold"
16       android:textSize="30sp"
17       android:textColor="@android:color/black"/>
18   </LinearLayout>
```

LinearLayout

Preview

Nexus 4   27   31%

UIControl App

Hello World

8:00

Design   Text

TODO   6: Logcat   Build   Terminal

Gradle build finished in 22s 944ms (today 12:06 PM)

7:1   CRLF   UTF-8   Context: <no context>

UIControlApp app src main java com example akashtechnolabs uicontrolapp TextviewActivity

activity_textview.xml   TextviewActivity.java

```java
package com.example.akashtechnolabs.uicontrolapp;


import ...


public class TextviewActivity extends AppCompatActivity {
    //Create Textview Object
    TextView textView;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_textview);
        //Initialize textview object
        textView = findViewById(R.id.tv1);
    }

}
```

TextviewActivity > onCreate()

TODO   6: Logcat   Build   Terminal   Event Log

Gradle build finished in 22s 944ms (today 12:06 PM)   13:18   CRLF   UTF-8   Context: <no context>

EditText Control

EditText Control

- The **EditText** is an extension of TextView that possesses rich editing capabilities.

- It provide a text field to allow the user to input text.

Properties Of Control

Property	Description
android:id	It is used to uniquely identify the control
android:text	It is used to set the text.
android:hint	It is used to display the hint text when text is empty
android:gravity	It is used to specify how to align the text like left, right, center, top, etc.
android:textColor	It is used to change the color of text.
android:textColorHint	It is used to change the text color of hint text.
android:textSize	It is used to specify the size of text.
android:textStyle	It is used to change the style (bold, italic, bolditalic) of text.

Cont...

android:background	It is used to set the background color for edit text control
android:inputType	It is used to specify the type of text being placed in a text fields.
android:fontFamily	It is used to specify the fontFamily for the text.
android:editable	If we set false, EditText won't allow us to enter or modify text
android:drawableBottom	This is the drawable to be drawn below the text.
android:drawableRight	This is the drawable to be drawn to the right of the text.
android:drawableBottom	This is the drawable to be drawn to the bottom of the text.
android:layout_width	Specifies width of the control
android:layout_height	Specifies height of the control

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

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_edittext.xml ⟩

activity_edittext.xml ×   EdittextActivity.java ×

```xml
1   <?xml version="1.0" encoding="utf-8"?>
2   <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3       xmlns:app="http://schemas.android.com/apk/res-auto"
4       xmlns:tools="http://schemas.android.com/tools"
5       android:layout_width="match_parent"
6       android:layout_height="match_parent"
7       tools:context=".EdittextActivity">
8
9       <EditText
10          android:id="@+id/et1"
11          android:layout_width="match_parent"
12          android:layout_height="wrap_content"
13          android:hint="Enter Name"
14          android:textColorHint="@android:color/black"
15          android:textSize="30sp" />
16  </LinearLayout>
```

LinearLayout ⟩ EditText

Design   Text

Preview

Nexus 4   27   31%

UIControl App

Enter Name

Gradle build finished in 9s 749ms (2 minutes ago)   10:29   CRLF   UTF-8   Context: <no context>

UIControlApp > app > src > main > java > com > example > akashtechnolabs > uicontrolapp > EdittextActivity

activity_edittext.xml   EdittextActivity.java
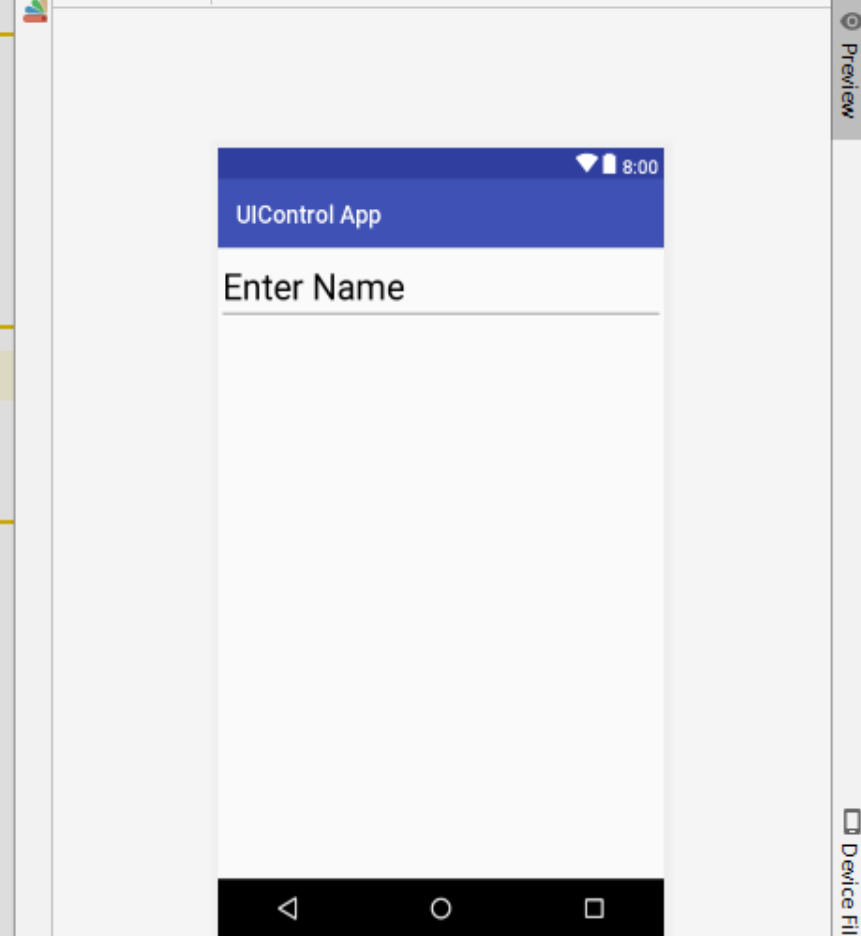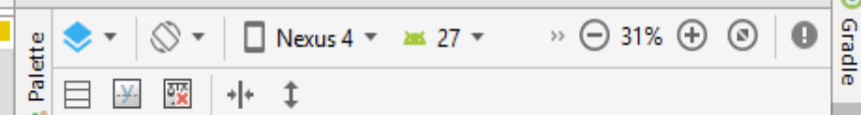
```java
1   package com.example.akashtechnolabs.uicontrolapp;

2

3   import ...

6

7   public class EdittextActivity extends AppCompatActivity {

8       EditText et1;

9

10      @Override
11      protected void onCreate(Bundle savedInstanceState) {
12          super.onCreate(savedInstanceState);
13          setContentView(R.layout.activity_edittext);
14          et1 = findViewById(R.id.et1);
15
16      }
17  }

18
```

EdittextActivity > onCreate()

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 9s 749ms (14 minutes ago)   29 chars   14:9   CRLF   UTF-8   Context: <no context>
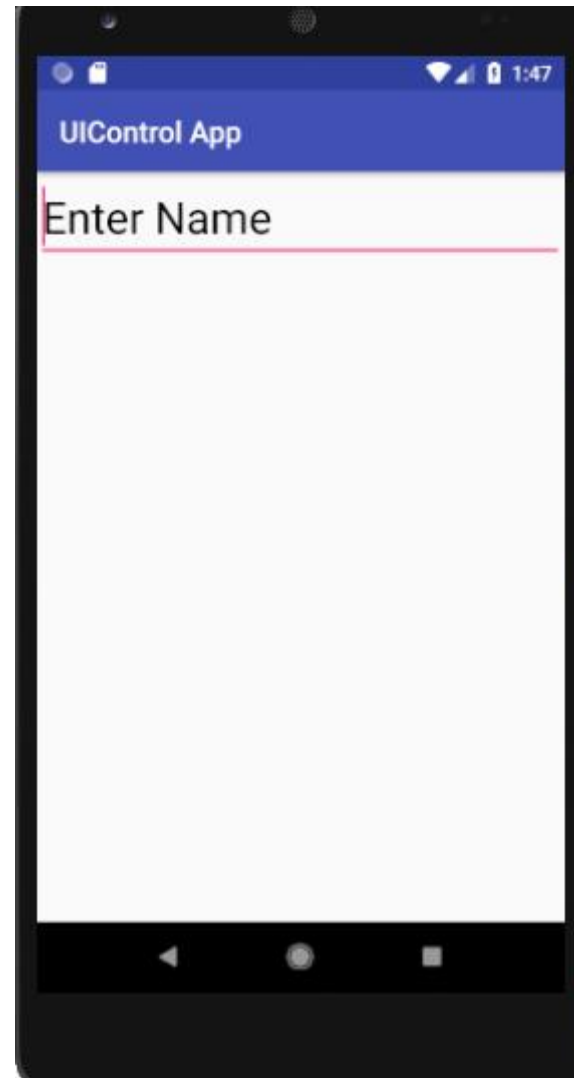
Button Control

Button Control

- In android, **Button** is a user interface control which is used to perform an action whenever the user click or tap on it.

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

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_button.xml

activity_button.xml ×   ButtonActivity.java ×

Preview

```xml
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:app="http://schemas.android.com/apk/res-auto"
4      xmlns:tools="http://schemas.android.com/tools"
5      android:layout_width="match_parent"
6      android:layout_height="match_parent"
7      android:gravity="center"
8      tools:context=".ButtonActivity">
9
10     <Button
11         android:id="@+id/btnClick"
12         android:layout_width="wrap_content"
13         android:layout_height="wrap_content"
14         android:layout_gravity="center"
15         android:text="CLICK" />
16 </LinearLayout>
```
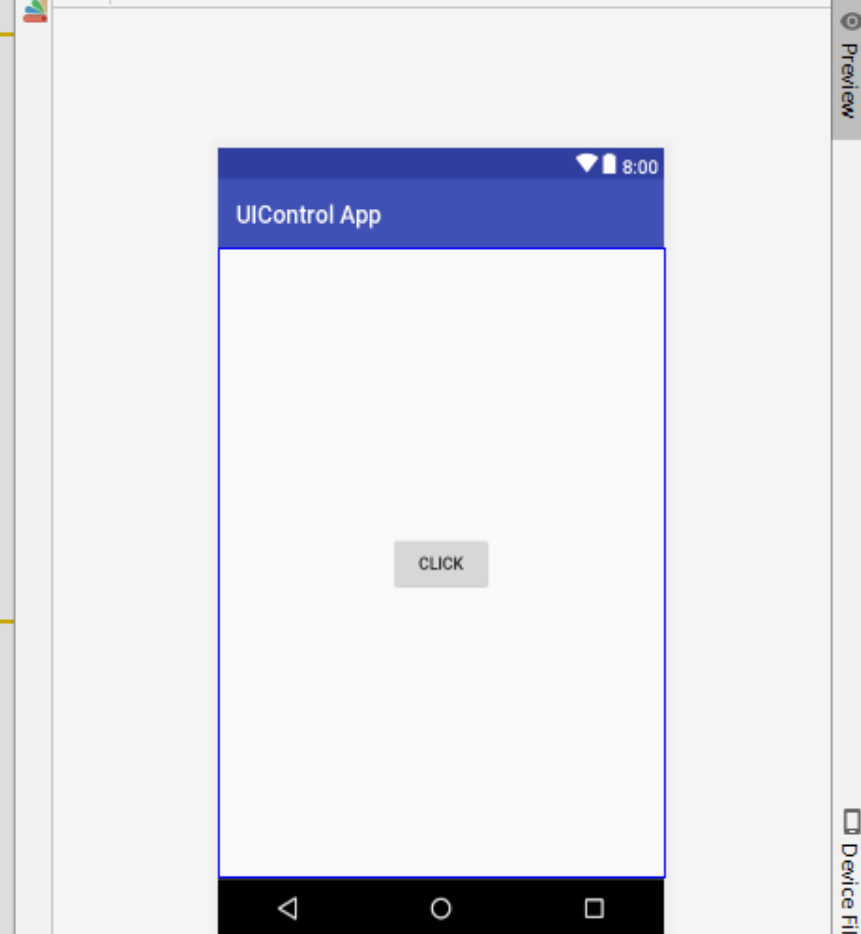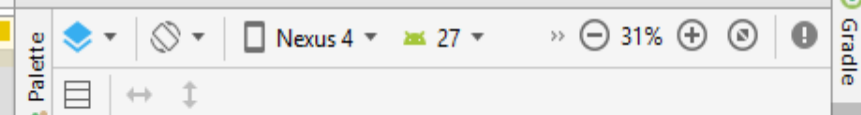
Nexus 4   27   31%

UIControl App

8:00

CLICK

Design   Text

▶ 4: Run   TODO   ≡ 6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 556ms (3 minutes ago)   1:35   CRLF   UTF-8   Context: <no context>

UIControlApp › app › src › main › java › com › example › akashtechnolabs › uicontrolapp › ButtonActivity

activity_button.xml   ButtonActivity.java

```java
1       package com.example.akashtechnolabs.uicontrolapp;
2
3       import ...
8
9       public class ButtonActivity extends AppCompatActivity {
10          Button btnClick;
11          @Override
12          protected void onCreate(Bundle savedInstanceState) {
13              super.onCreate(savedInstanceState);
14              setContentView(R.layout.activity_button);
15              btnClick = findViewById(R.id.btnClick);
16              //To perform action setOnClickListener is used
17              btnClick.
18          }
19      }
20
```

m 🔒	setOnClickListener(OnClickListener... void
m 🔒	getAccessibilityClassName() CharSequence
m 🔒	onResolvePointerIcon(Motion... PointerIcon
m 🔒	addChildrenForAccessibility(ArrayL... void
m 🔒	addExtraDataToAccessibilityNodeInfo void
m 🔒	addFocusables(ArrayList<View> view... void
m 🔒	addFocusables(ArrayList<View> view... void
m 🔒	addKeyboardNavigationClusters(Coll... void
m 🔒	addOnAttachStateChangeListener(OnA... void
m 🔒	addOnLayoutChangeListener(OnLayout... void

ButtonActivity › onCrea

4: Run   TODO   6: Logcat

';' expected. Identifier expected.   17:17   CRLF÷   UTF-8÷   Context: <no context>

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

UIControlApp > app > src > main > java > com > example > akashtechnolabs > uicontrolapp > © ButtonActivity

activity_button.xml   © ButtonActivity.java

```java
1      package com.example.akashtechnolabs.uicontrolapp;
2
3    □import ...
8
9      public class ButtonActivity extends AppCompatActivity {
10         Button btnClick;
11         @Override
12         protected void onCreate(Bundle savedInstanceState) {
13             super.onCreate(savedInstanceState);
14             setContentView(R.layout.activity_button);
15             btnClick = findViewById(R.id.btnClick);
                                    @Nullable OnClickListener l
16             //To perform action setOnClickListener is used
17             btnClick.setOnClickListener(new );
18
```

Documentation for OnClickListener in View

Fetching Documentation...

I ⌐	View.OnClickListener{...} (android.view.View)
C ⌐	QuickContactBadge (android.widget)
C ⌐	CharacterPickerDialog (android.text.met...
C ⌐	KeyboardView (android.inputmethodservic...
C ⌐	ActionMenuItemView (android.support.v7...
	boolean[]
	byte[]
	char[]
	double[]
	float[]

ButtonActivity > onCreate()

4: Run   TODO   6: Logcat   Android Profiler   Build   Termina

Press Ctrl+Shift+Space to show only variants that are suitable by type

Identifier expected   17:40   CRLF   UTF-8   Context: <no context>   Event Log

UIControlApp > app > src > main > java > com > example > akashtechnolabs > uicontrolapp > ButtonActivity
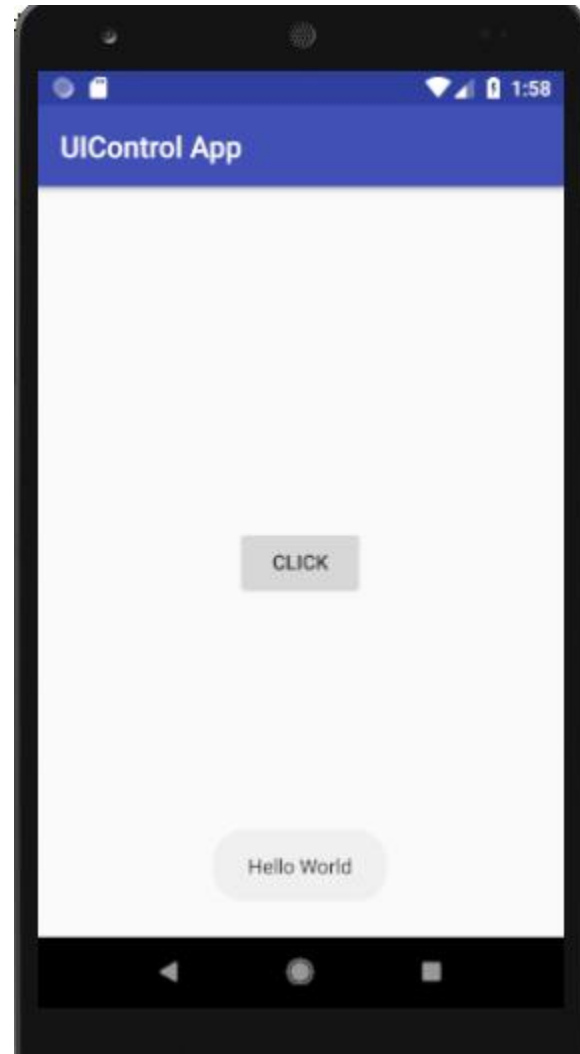
activity_button.xml   ButtonActivity.java

```java
package com.example.akashtechnolabs.uicontrolapp;


import ...


public class ButtonActivity extends AppCompatActivity {
    Button btnClick;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_button);
        btnClick = findViewById(R.id.btnClick);
        //To perform action setOnClickListener is used
        btnClick.setOnClickListener(new View.OnClickListener() {
            @        Toast (android.widget)
                    Toast                    Create a new Toast
            p
                    Toas
            }
        });
    }
}
```

ButtonActivity > onCreate() > new OnClickListener > onClick()

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 556ms (2 minutes ago)   20:20   CRLF   UTF-8

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ java ⟩ com ⟩ example ⟩ akashtechnolabs ⟩ uicontrolapp ⟩ ButtonActivity

ButtonActivity.java

```java
    3      import ...
    8
    9      public class ButtonActivity extends AppCompatActivity {
   10          Button btnClick;
   11          @Override
   12          protected void onCreate(Bundle savedInstanceState) {
   13              super.onCreate(savedInstanceState);
   14              setContentView(R.layout.activity_button);
   15              btnClick = findViewById(R.id.btnClick);
   16              //To perform action setOnClickListener is used
   17              btnClick.setOnClickListener(new View.OnClickListener() {
   18                  @Override
   19                  public void onClick(View v) {
   20                      //To display message
   21                      Toast.makeText( context: ButtonActivity.this, text: "Hello World", Toast.LENGTH_SHORT).show();
   22                  }
   23              });
   24          }
   25      }
   26
```

ButtonActivity ⟩ onCreate() ⟩ new OnClickListener ⟩ onClick()

Gradle sync finished in 2s 625ms (from cached state) (today 11:23 AM)   19:41   CRLF   UTF-8   Context: <no context>

Checkbox Control

Checkbox Control

- A **CheckBox** allows users to select or unselect an option.

- We use a set of checkboxes when we want to allow uses to select multiple options that are mutually exclusive.

Property

Property	Description
android:id	It is used to uniquely identify the control
android:checked	It is used to specify the current state of checkbox
android:text	It is used to set the text for checkbox.
android:padding	It is used to set the padding from left, right, top and bottom.
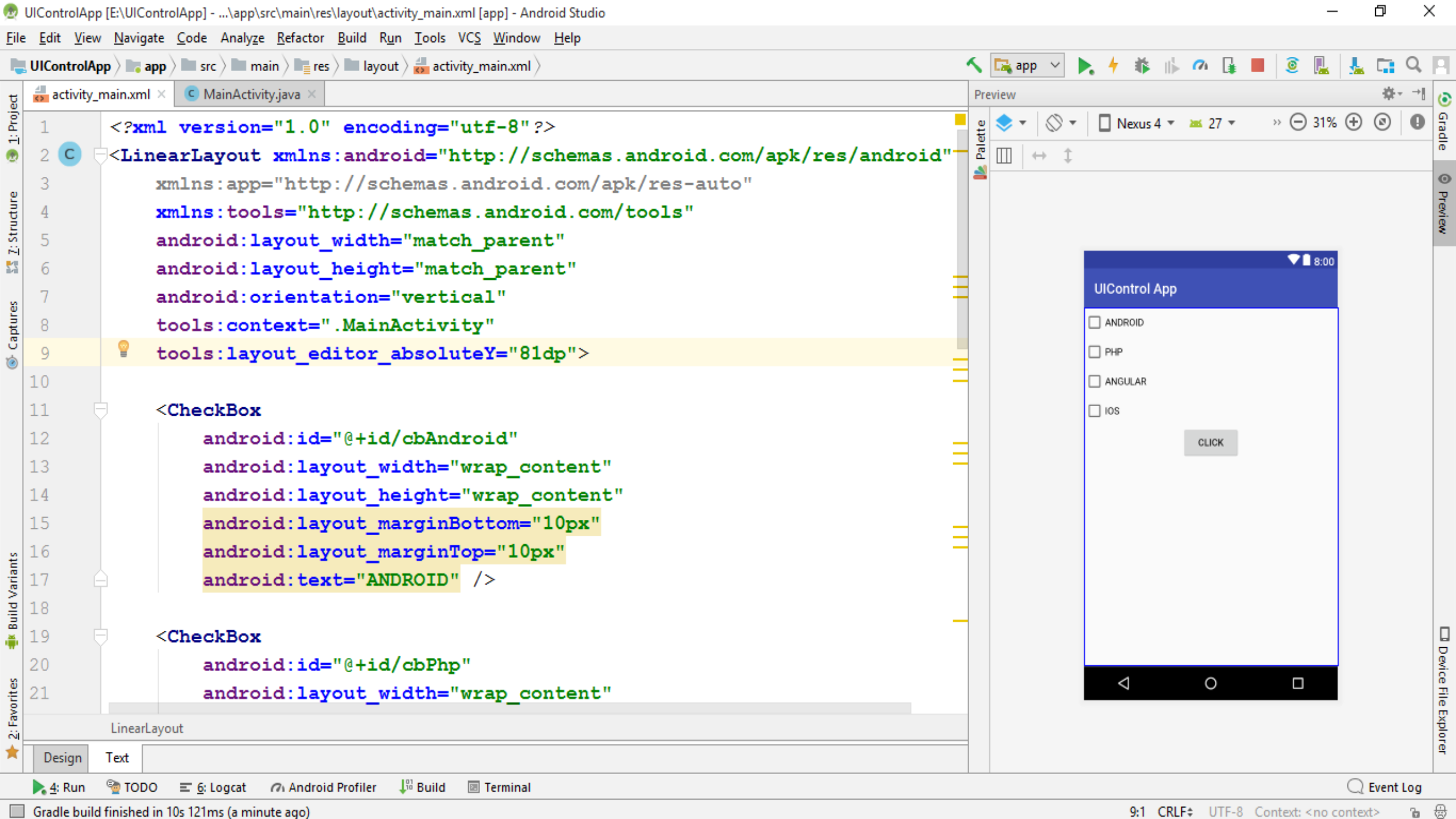
File   Edit   View   Navigate   Code   Analyze   Refactor   Build   Run   Tools   VCS   Window   Help

UIControlApp > app > src > main > res > layout > activity_main.xml

activity_main.xml   MainActivity.java

Preview

```xml
1    <?xml version="1.0" encoding="utf-8"?>
2    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        android:layout_width="match_parent"
6        android:layout_height="match_parent"
7        android:orientation="vertical"
8        tools:context=".MainActivity"
9        tools:layout_editor_absoluteY="81dp">
10
11       <CheckBox
12           android:id="@+id/cbAndroid"
13           android:layout_width="wrap_content"
14           android:layout_height="wrap_content"
15           android:layout_marginBottom="10px"
16           android:layout_marginTop="10px"
17           android:text="ANDROID" />
18
19       <CheckBox
20           android:id="@+id/cbPhp"
21           android:layout_width="wrap_content"
```
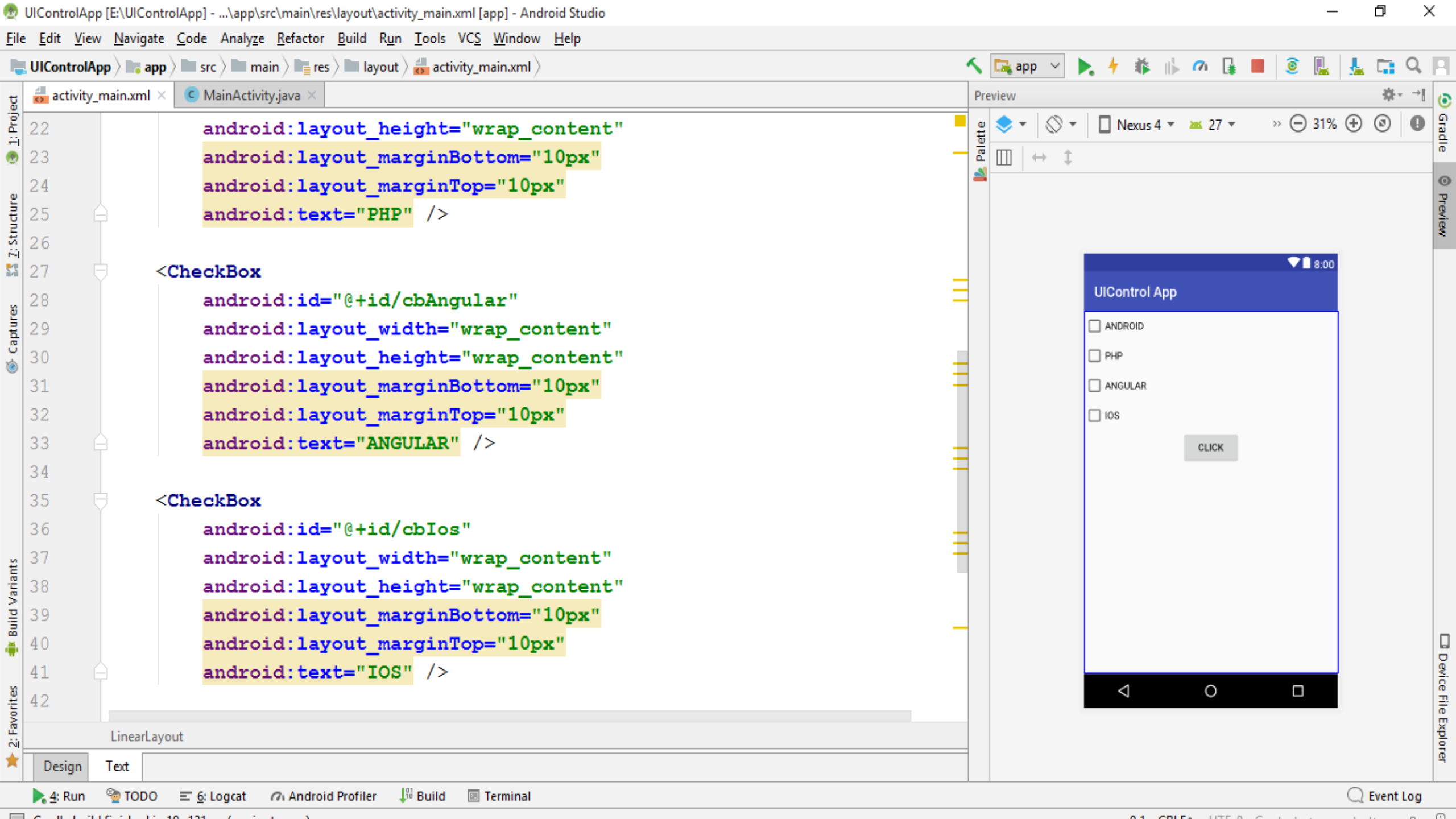
LinearLayout

Nexus 4   27   31%

UIControl App

☐ ANDROID

☐ PHP

☐ ANGULAR

☐ IOS

CLICK

Design   Text

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 10s 121ms (a minute ago)   9:1   CRLF   UTF-8   Context: <no context>

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_main.xml ⟩

activity_main.xml   C MainActivity.java

Preview

```
22          android:layout_height="wrap_content"
23          android:layout_marginBottom="10px"
24          android:layout_marginTop="10px"
25          android:text="PHP"  />
26
27      <CheckBox
28          android:id="@+id/cbAngular"
29          android:layout_width="wrap_content"
30          android:layout_height="wrap_content"
31          android:layout_marginBottom="10px"
32          android:layout_marginTop="10px"
33          android:text="ANGULAR"  />
34
35      <CheckBox
36          android:id="@+id/cbIos"
37          android:layout_width="wrap_content"
38          android:layout_height="wrap_content"
39          android:layout_marginBottom="10px"
40          android:layout_marginTop="10px"
41          android:text="IOS"  />
42
```

Nexus 4   27   31%

UIControl App

☐ ANDROID

☐ PHP

☐ ANGULAR

☐ IOS

CLICK

LinearLayout

Design   Text

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

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

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_main.xml ⟩

activity_main.xml ×   MainActivity.java ×
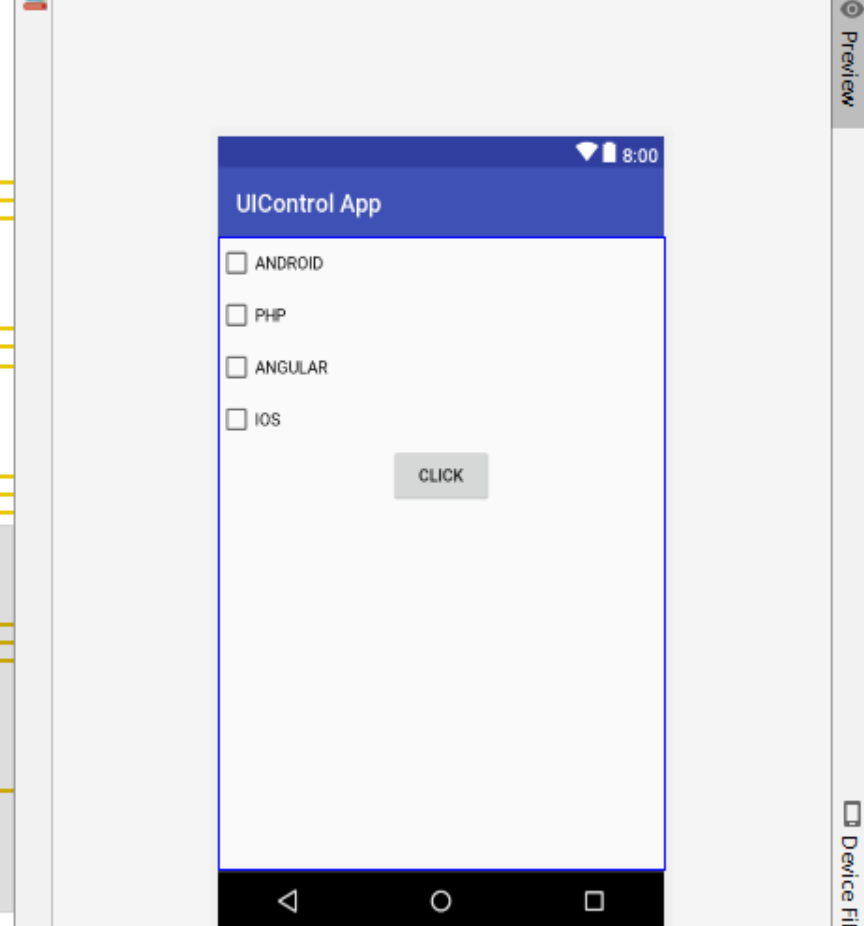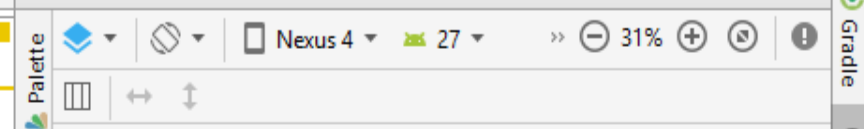
Preview

```xml
34
35        <CheckBox
36            android:id="@+id/cbIos"
37            android:layout_width="wrap_content"
38            android:layout_height="wrap_content"
39            android:layout_marginBottom="10px"
40            android:layout_marginTop="10px"
41            android:text="IOS" />
42
43        <Button
44            android:id="@+id/btnClick"
45            android:layout_width="wrap_content"
46            android:layout_height="wrap_content"
47            android:layout_gravity="center"
48            android:text="CLICK" />
49
50
51    </LinearLayout>
```
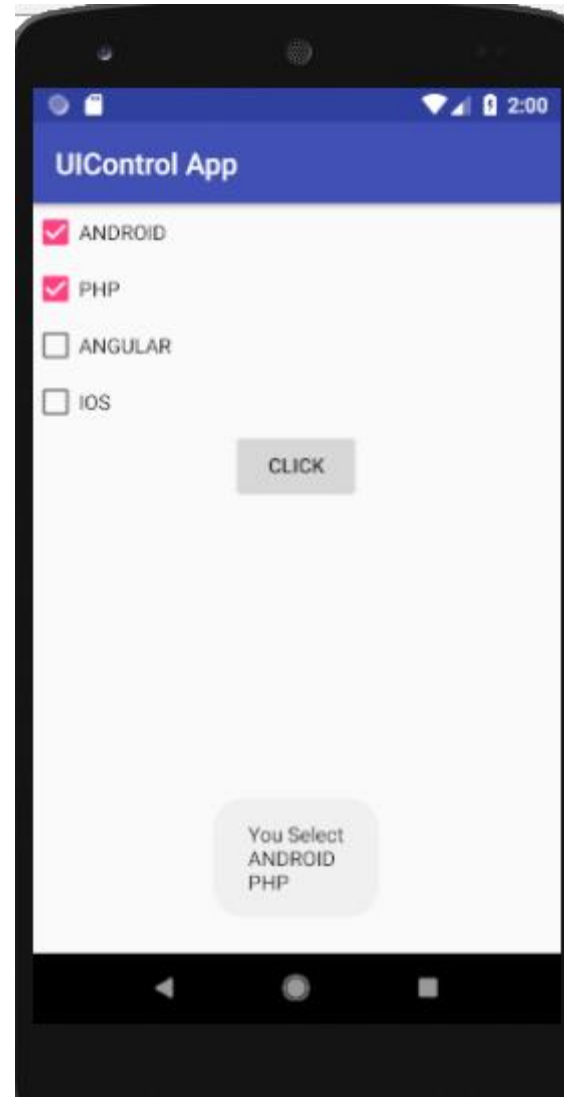
LinearLayout

Design   Text

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 10s 121ms (a minute ago)

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ java ⟩ com ⟩ example ⟩ akashtechnolabs ⟩ uicontrolapp ⟩ MainActivity ⟩

activity_main.xml   MainActivity.java

```java
package com.example.akashtechnolabs.uicontrolapp;


import ...


public class MainActivity extends AppCompatActivity {
CheckBox cbAndroid,cbPhp,cbAngular,cbIos;
Button btnClick;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        cbAndroid=findViewById(R.id.cbAndroid);
        cbPhp=findViewById(R.id.cbPhp);
        cbAngular=findViewById(R.id.cbAngular);
        cbIos=findViewById(R.id.cbIos);
        btnClick=findViewById(R.id.btnClick);
        btnClick.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String result = "You Select";
                if(cbAndroid.isChecked()){
                    result += "\nANDROID";
```

MainActivity

▶ 4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal

Gradle build finished in 10s 121ms (2 minutes ago)   13:4   CRLF   UTF-8   Context: <no context>

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ java ⟩ com ⟩ example ⟩ akashtechnolabs ⟩ uicontrolapp ⟩ MainActivity

activity_main.xml   MainActivity.java

```java
        public void onClick(View v) {
            String result = "You Select";
            if(cbAndroid.isChecked()){
                result += "\nANDROID";
            }
            if(cbPhp.isChecked()){
                result += "\nPHP";
            }
            if(cbAngular.isChecked()){
                result += "\nANGULAR";
            }
            if(cbIos.isChecked()){
                result += "\nIOS";
            }
            Toast.makeText( context: MainActivity.this, result, Toast.LENGTH_SHORT).show();
        }
    });


    }

}
```

MainActivity

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log
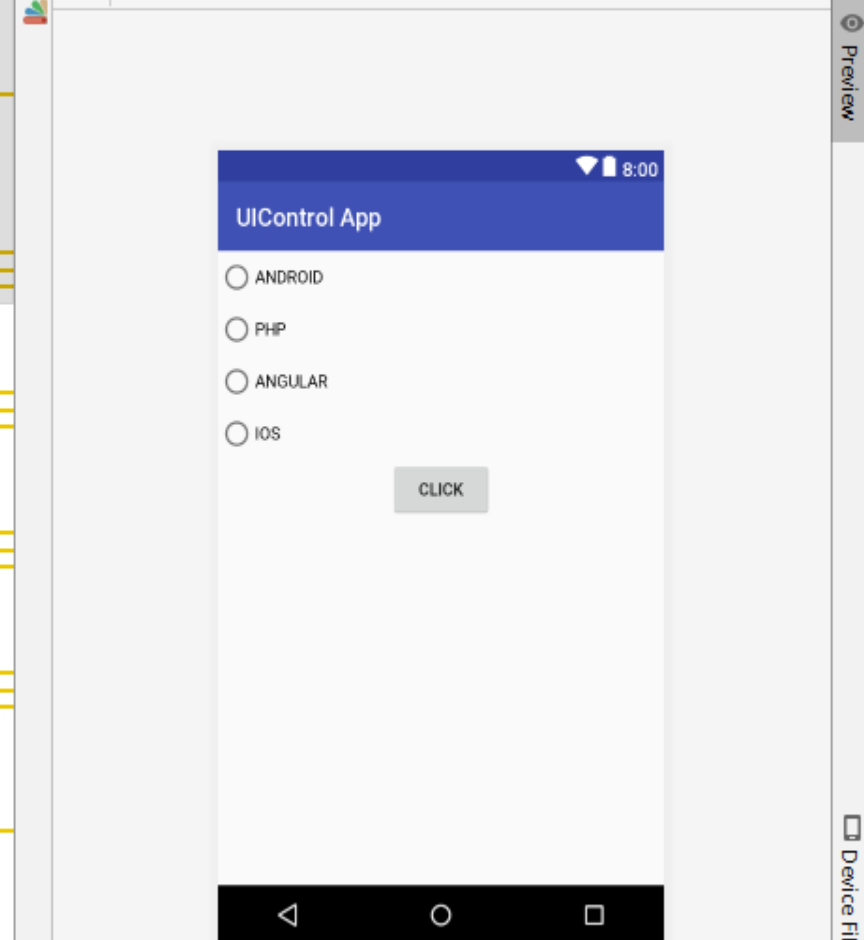
Radio Button Control

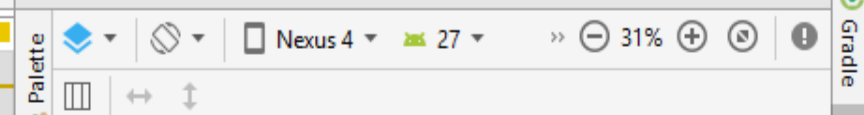# Radio Button Control

- A RadioButton has two states: either checked or unchecked. This allows the user to select one option from a set.

- In android, we use radio buttons with in a **RadioGroup** to combine multiple radio buttons into one group and it will make sure that user can select only one option from the group of multiple options.

- A RadioGroup class is used for set of radio buttons.

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

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_radiobutton.xml

RadiobuttonActivity.java   activity_radiobutton.xml

```xml
1    <?xml version="1.0" encoding="utf-8"?>
2    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3        xmlns:app="http://schemas.android.com/apk/res-auto"
4        xmlns:tools="http://schemas.android.com/tools"
5        android:layout_width="match_parent"
6        android:layout_height="match_parent"
7        android:orientation="vertical"
8        tools:context=".RadiobuttonActivity">
9
10       <RadioGroup
11           android:id="@+id/rgCourse"
12           android:layout_width="match_parent"
13           android:layout_height="wrap_content">
14
15           <RadioButton
16               android:id="@+id/rbAndroid"
17               android:layout_width="wrap_content"
18               android:layout_height="wrap_content"
19               android:layout_marginBottom="10px"
20               android:layout_marginTop="10px"
21               android:text="ANDROID" />
```

LinearLayout ⟩ RadioGroup ⟩ Button

Design   Text

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 42ms (a minute ago)

Preview

Nexus 4   27   31%

UIControl App

○ ANDROID

○ PHP

○ ANGULAR

○ IOS

CLICK

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

UIControlApp › app › src › main › res › layout › activity_radiobutton.xml

RadiobuttonActivity.java   activity_radiobutton.xml

Preview

```xml
22
23          <RadioButton
24              android:id="@+id/rbPhp"
25              android:layout_width="wrap_content"
26              android:layout_height="wrap_content"
27              android:layout_marginBottom="10px"
28              android:layout_marginTop="10px"
29              android:text="PHP"  />
30
31          <RadioButton
32              android:id="@+id/rbAngular"
33              android:layout_width="wrap_content"
34              android:layout_height="wrap_content"
35              android:layout_marginBottom="10px"
36              android:layout_marginTop="10px"
37              android:text="ANGULAR"  />
38
39          <RadioButton
40              android:id="@+id/rbIos"
41              android:layout_width="wrap_content"
42              android:layout_height="wrap_content"
```
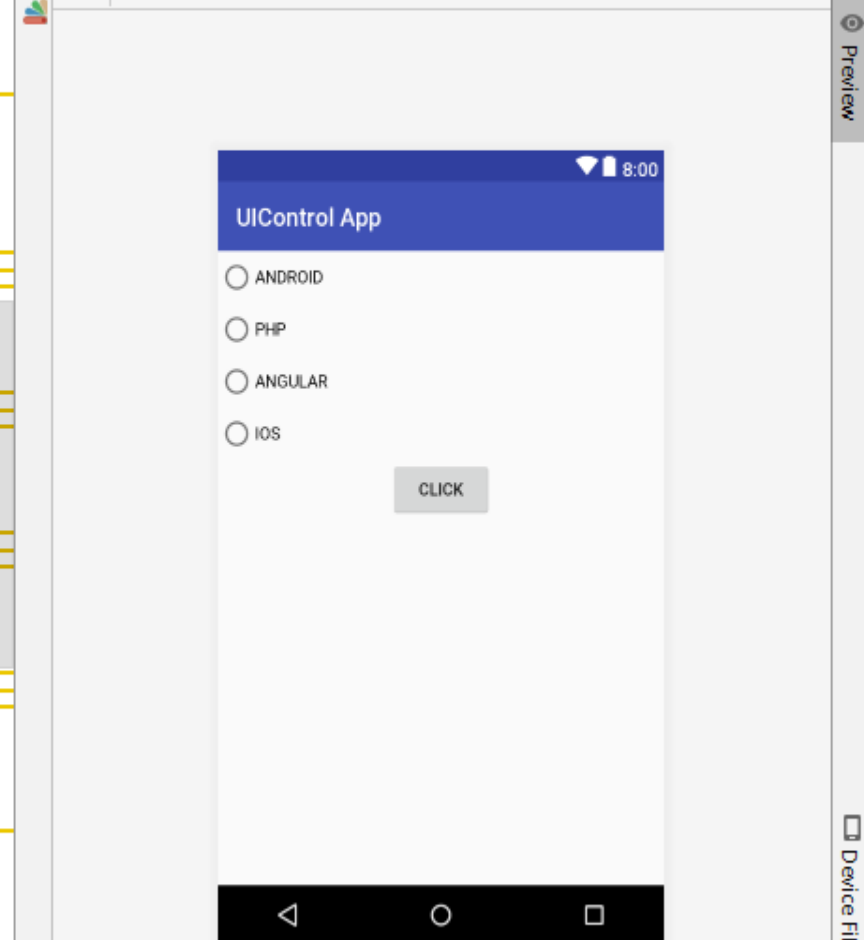
Nexus 4   27   31%

UIControl App

○ ANDROID

○ PHP

○ ANGULAR

○ IOS

CLICK

LinearLayout › RadioGroup › Button

Design   Text

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 42ms (a minute ago)

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

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ res ⟩ layout ⟩ activity_radiobutton.xml

RadiobuttonActivity.java   activity_radiobutton.xml
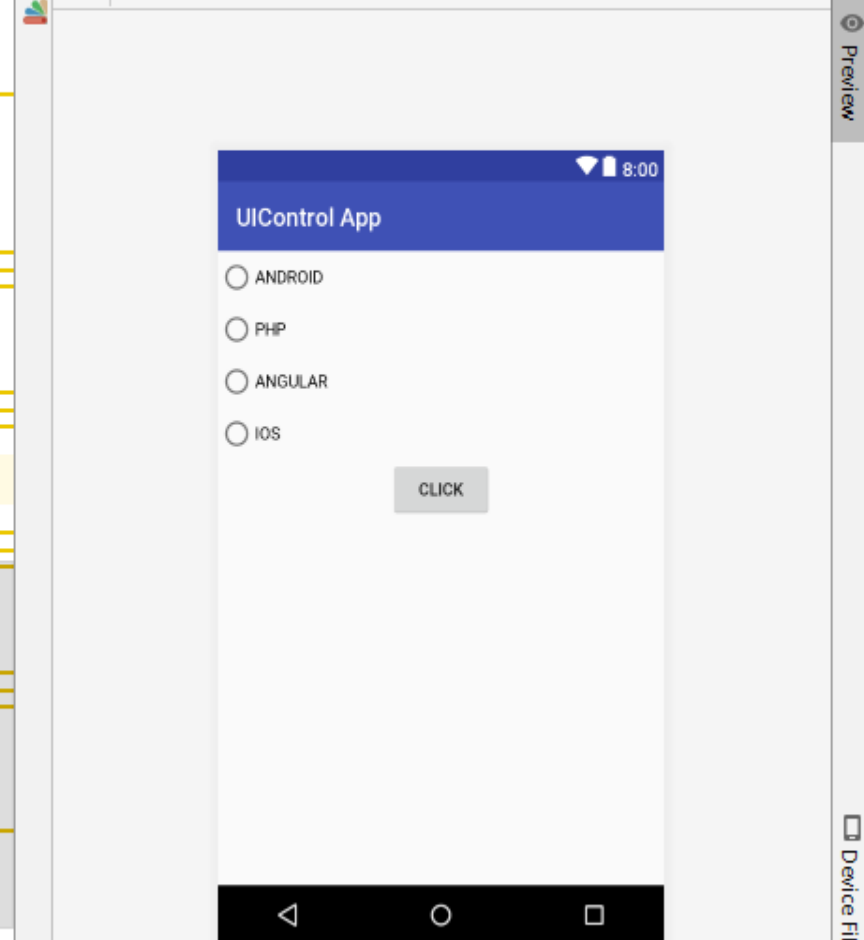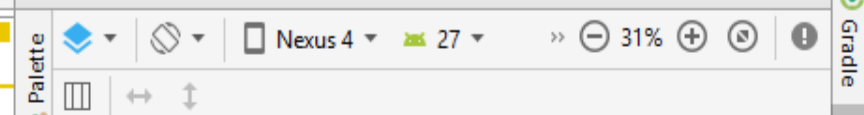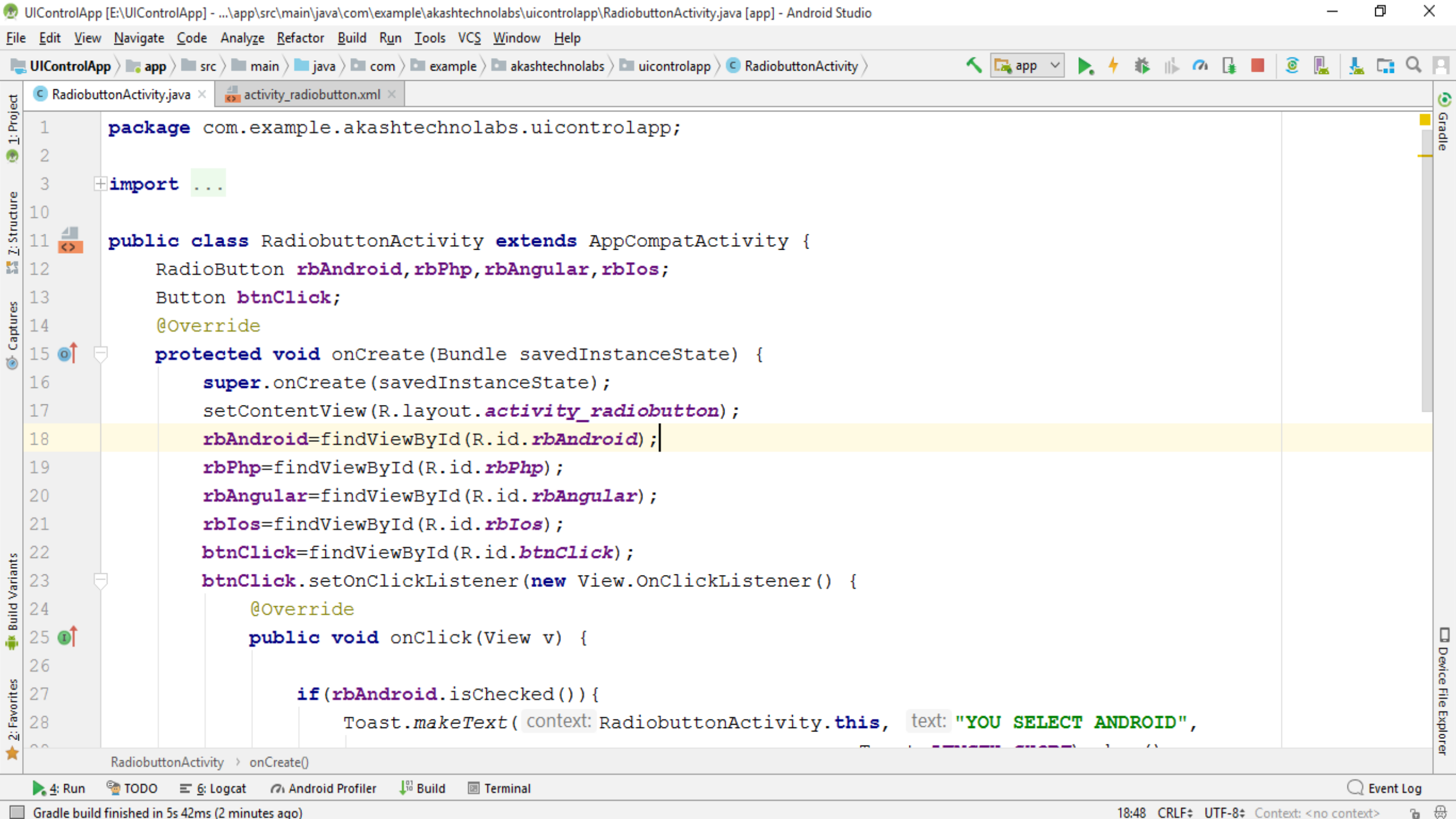
```
37              android:text="ANGULAR" />
38
39          <RadioButton
40              android:id="@+id/rbIos"
41              android:layout_width="wrap_content"
42              android:layout_height="wrap_content"
43              android:layout_marginBottom="10px"
44              android:layout_marginTop="10px"
45              android:text="IOS" />
46
47          <Button
48              android:id="@+id/btnClick"
49              android:layout_width="wrap_content"
50              android:layout_height="wrap_content"
51              android:layout_gravity="center"
52              android:text="CLICK" />
53          </RadioGroup>
54      </LinearLayout>
```

LinearLayout ⟩ RadioGroup ⟩ Button

Design   Text

Preview

Nexus 4   27   31%

▼◢▮ 8:00

UIControl App

◯ ANDROID

◯ PHP

◯ ANGULAR

◯ IOS

CLICK

◁   ○   ▢

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 42ms (a minute ago)   48:38   CRLF‡   UTF-8   Context: <no context>

UIControlApp ⟩ app ⟩ src ⟩ main ⟩ java ⟩ com ⟩ example ⟩ akashtechnolabs ⟩ uicontrolapp ⟩ RadiobuttonActivity

RadiobuttonActivity.java ×   activity_radiobutton.xml ×

```java
package com.example.akashtechnolabs.uicontrolapp;


import ...


public class RadiobuttonActivity extends AppCompatActivity {
    RadioButton rbAndroid,rbPhp,rbAngular,rbIos;
    Button btnClick;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_radiobutton);
        rbAndroid=findViewById(R.id.rbAndroid);
        rbPhp=findViewById(R.id.rbPhp);
        rbAngular=findViewById(R.id.rbAngular);
        rbIos=findViewById(R.id.rbIos);
        btnClick=findViewById(R.id.btnClick);
        btnClick.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                if(rbAndroid.isChecked()){
                    Toast.makeText( context: RadiobuttonActivity.this,  text: "YOU SELECT ANDROID",
```
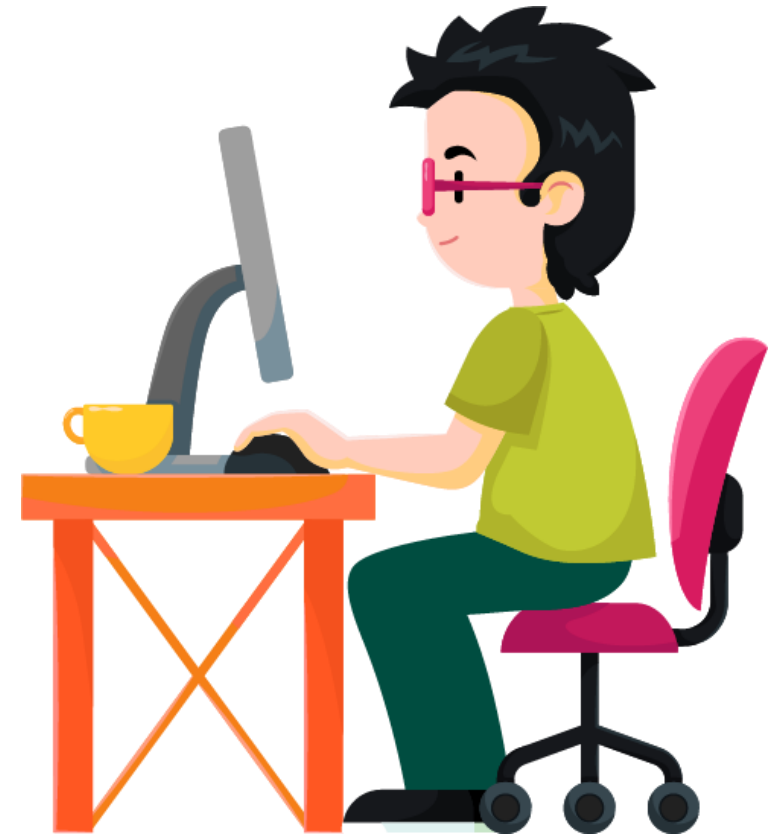
RadiobuttonActivity ⟩ onCreate()

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

Gradle build finished in 5s 42ms (2 minutes ago)   18:48   CRLF   UTF-8   Context: <no context>

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

UIControlApp app src main java com example akashtechnolabs uicontrolapp RadiobuttonActivity

RadiobuttonActivity.java   activity_radiobutton.xml

```java
        @Override
        public void onClick(View v) {

            if(rbAndroid.isChecked()){
                Toast.makeText( context: RadiobuttonActivity.this,  text: "YOU SELECT ANDROID",
                                                Toast.LENGTH_SHORT).show();
            }
            if(rbPhp.isChecked()){
                Toast.makeText( context: RadiobuttonActivity.this,  text: "YOU SELECT PHP",
                                                Toast.LENGTH_SHORT).show();
            }
            if(rbAngular.isChecked()){
                Toast.makeText( context: RadiobuttonActivity.this,  text: "YOU SELECT ANGULAR",
                                                Toast.LENGTH_SHORT).show();
            }
            if(rbIos.isChecked()){
                Toast.makeText( context: RadiobuttonActivity.this,  text: "YOU SELECT IOS",
                                                Toast.LENGTH_SHORT).show();
            }
        }
    });
    }
    }
```

RadiobuttonActivity onCreate()

4: Run   TODO   6: Logcat   Android Profiler   Build   Terminal   Event Log

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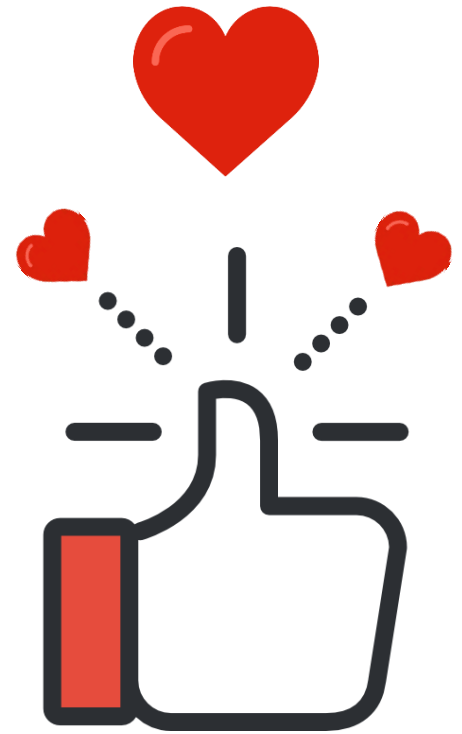Get More Details

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