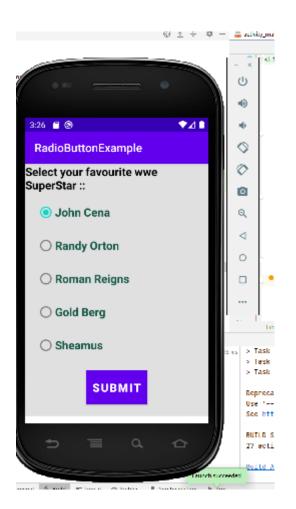


```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout</pre>
   xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout width="match parent"
   android:layout height="match parent"
       android:orientation="vertical"
 >
    <TextView
        android:id="@+id/tv"
        android:layout width="fill parent"
        android:layout height="wrap content"
        android:layout marginTop="30dp"
        android:gravity="center horizontal"
        android:textSize="25dp"
        android:text="Customized Radio Buttons" />
    <!-- Customized RadioButtons -->
```

```
android:layout width="wrap content"
        android:layout height="wrap_content"
        android:id="@+id/radioGroup">
        <RadioButton
            android:id="@+id/radioMale"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text=" Male"
            android:layout marginTop="10dp"
            android:checked="false"
            android:button="@drawable/radiobut"
            android:textSize="20dp" />
        <RadioButton
            android:id="@+id/radioFemale"
            android:layout width="wrap content"
            android:layout_height="wrap_content"
            android:text="
                           Female"
            android:layout marginTop="20dp"
            android:checked="false"
            android:button="@drawable/radiobut"
            android:textSize="20dp" />
    </RadioGroup>
    <Button
        android:layout_width="wrap content"
        android:layout height="wrap content"
        android:text="Show Selected"
        android:id="@+id/button"
        android:onClick="onclickbuttonMethod"
        android:layout gravity="center horizontal" />
</LinearLayout>
Checkbox.xml
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
    <item android:state checked="true"</pre>
android:drawable="@drawable/checkedradiobutton" />
    <item android:state checked="false"</pre>
android:drawable="@drawable/uncheckedradiobutton" />
</selector>
package com.example.customradiobutton;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
```

```
Button button;
   RadioButton genderradioButton;
   RadioGroup radioGroup;
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
       radioGroup=(RadioGroup) findViewById(R.id.radioGroup);
    }
   public void onclickbuttonMethod(View v) {
        int selectedId = radioGroup.getCheckedRadioButtonId();
        genderradioButton = (RadioButton) findViewById(selectedId);
        if(selectedId==-1){
            Toast.makeText(MainActivity.this, "Nothing selected",
Toast.LENGTH SHORT).show();
        }
        else{
            Toast.makeText(MainActivity.this,genderradioButton.getText(),
Toast.LENGTH SHORT).show();
        }
   }
}
```

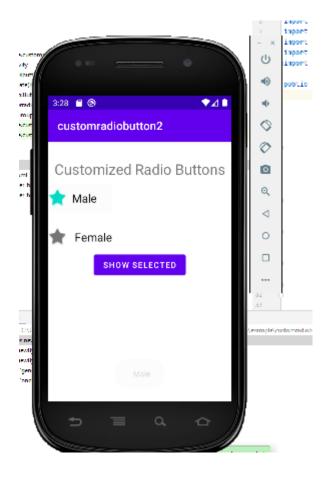


```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   xmlns:tools="http://schemas.android.com/tools"
   android:layout width="match parent"
   android:layout height="match parent"
   android:orientation="vertical"
        tools:context=".MainActivity">
    <LinearLayout</pre>
        android:layout_width="fill_parent"
        android:layout height="wrap content"
        android:background="#e0e0e0"
        android:orientation="vertical">
        <TextView
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text="Select your favourite wwe SuperStar :: "
            android:textColor="#000"
            android:textSize="20sp"
            android:textStyle="bold" />
        <RadioGroup
            android:layout_width="wrap content"
            android:layout height="wrap content">
            < Radio Button
                android:id="@+id/johnCena"
                android:layout_width="wrap content"
                android:layout height="wrap content"
                android:layout marginLeft="20dp"
                android:layout marginTop="10dp"
                android:checked="true"
                android:text="@string/johnCena"
                android:textColor="#154"
                android:textSize="20sp"
                android:textStyle="bold" />
            <RadioButton
                android:id="@+id/randyOrton"
                android:layout width="wrap content"
                android:layout height="wrap content"
                android:layout marginLeft="20dp"
                android:layout marginTop="10dp"
                android:checked="false"
                android:text="@string/randyOrton"
                android:textColor="#154"
                android:textSize="20sp"
                android:textStyle="bold" />
            < Radio Button
                android:id="@+id/romanReigns"
                android:layout width="wrap content"
                android:layout height="wrap content"
                android:layout marginLeft="20dp"
                android:layout marginTop="10dp"
                android:checked="false"
                android:text="@string/romanReigns"
                android:textColor="#154"
                android:textSize="20sp"
                android:textStyle="bold" />
```

```
< Radio Button
                android:id="@+id/goldBerg"
                android:layout width="wrap content"
                android:layout height="wrap content"
                android:layout marginLeft="20dp"
                android:layout marginTop="10dp"
                android:checked="false"
                android:text="@string/goldBerg"
                android:textColor="#154"
                android:textSize="20sp"
                android:textStyle="bold" />
            <RadioButton
                android:id="@+id/sheamus"
                android:layout_width="wrap content"
                android:layout_height="wrap_content"
                android:layout_marginLeft="20dp"
                android:layout marginTop="10dp"
                android:checked="false"
                android:text="@string/sheamus"
                android:textColor="#154"
                android:textSize="20sp"
                android:textStyle="bold" />
        </RadioGroup>
        <Button
            android:id="@+id/submitButton"
            android:layout_width="wrap content"
            android:layout height="wrap content"
            android:layout gravity="center"
            android:layout margin="20dp"
            android:background="#0f0"
            android:padding="10dp"
            android:text="Submit"
            android:textColor="#fff"
            android:textSize="20sp"
            android:textStyle="bold" />
    </LinearLayout>
</LinearLayout>
package com.example.customradiobutton1;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    RadioButton johnCena, randyOrton, goldBerg, romanReigns, sheamus;
    String selectedSuperStar;
    Button submit;
```

Java file

```
@Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        johnCena = (RadioButton) findViewById(R.id.johnCena);
        randyOrton = (RadioButton) findViewById(R.id.randyOrton);
        goldBerg = (RadioButton) findViewById(R.id.goldBerg);
        romanReigns = (RadioButton) findViewById(R.id.romanReigns);
        sheamus = (RadioButton) findViewById(R.id.sheamus);
        submit = (Button) findViewById(R.id.submitButton);
        submit.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
                if (randyOrton.isChecked()) {
                   selectedSuperStar = randyOrton.getText().toString();
                } else if (sheamus.isChecked()) {
                   selectedSuperStar = sheamus.getText().toString();
                } else if (johnCena.isChecked()) {
                   selectedSuperStar = johnCena.getText().toString();
                } else if (romanReigns.isChecked()) {
                   selectedSuperStar = romanReigns.getText().toString();
                } else if (goldBerg.isChecked()) {
                   selectedSuperStar = goldBerg.getText().toString();
                Toast.makeText(getApplicationContext(), selectedSuperStar,
Toast.LENGTH LONG).show(); // print the value of selected super star
       });
   }
}
strings.xml
<resources>
    <string name="app name">RadioButtonExample</string>
    <string name="hello world">Hello world!</string>
    <string name="action settings">Settings</string>
    <string name="randyOrton">Randy Orton</string>
    <string name="johnCena">John Cena</string>
    <string name="romanReigns">Roman Reigns
    <string name="goldBerg">Gold Berg</string>
    <string name="sheamus">Sheamus
</resources>
```



<RadioGroup

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
   xmlns:android="http://schemas.android.com/apk/res/android"
   xmlns:tools="http://schemas.android.com/tools"
   android:layout width="match parent"
    android:layout height="match parent"
        android:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/tv"
        android:layout width="fill parent"
       android:layout height="wrap content"
       android:layout_marginTop="30dp"
        android:gravity="center_horizontal"
       android:textSize="25dp"
        android:text="Customized Radio Buttons" />
    <!--
         Customized RadioButtons -->
```

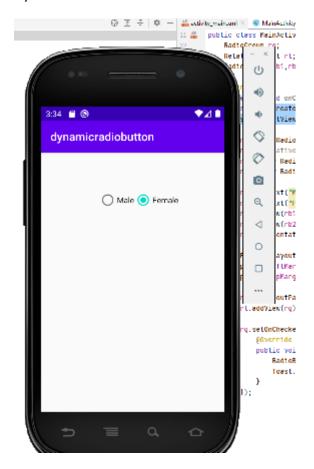
```
android:layout width="wrap content"
        android:layout height="wrap content"
        android:id="@+id/radioGroup">
        <RadioButton
            android:id="@+id/radioMale"
            android:layout width="fill parent"
            android:layout height="wrap content"
            android:text=" Male"
            android:layout marginTop="10dp"
            android:checked="false"
            android:button="@drawable/checked"
            android:background="@color/cardview shadow end color"
            android:textSize="20dp" />
        <RadioButton
            android:id="@+id/radioFemale"
            android:layout width="fill parent"
            android:layout_height="wrap_content"
            android:text=" Female"
            android:layout marginTop="20dp"
            android:checked="false"
            android:button="@drawable/checked"
            android:shadowColor="@color/cardview shadow end color"
            android:textSize="20dp" />
    </RadioGroup>
    <Button
       android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Show Selected"
       android:id="@+id/button"
        android:onClick="onclickbuttonMethod"
        android:layout gravity="center horizontal" />
</LinearLayout>
Checked.xml
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
   <item android:state checked="true"</pre>
android:drawable="@android:drawable/star big on" />
    <item android:state checked="false"</pre>
```

android:drawable="@android:drawable/star big off" />

</selector>

```
package com.example.customradiobutton2;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
        Button button;
        RadioButton genderradioButton;
        RadioGroup radioGroup;
        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity main);
            radioGroup=(RadioGroup) findViewById(R.id.radioGroup);
        }
        public void onclickbuttonMethod(View v){
            int selectedId = radioGroup.getCheckedRadioButtonId();
            genderradioButton = (RadioButton) findViewById(selectedId);
            if (selectedId==-1) {
                Toast.makeText (MainActivity.this, "Nothing selected",
Toast.LENGTH SHORT).show();
            else{
Toast.makeText(MainActivity.this, genderradioButton.getText(),
Toast.LENGTH SHORT).show();
    }
```

Dynamic Radio Button



```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/relativeLayout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
>
</RelativeLayout>

public class MainActivity extends AppCompatActivity {
    RadioGroup rg;
    RelativeLayout r1;
    RadioButton rb1,rb2;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        rg = new RadioGroup(this);
        rl = (RelativeLayout) findViewById(R.id.relativeLayout);
        rb1 = new RadioButton(this);
        rb2 = new RadioButton(this);
       rb1.setText("Male");
        rb2.setText("Female");
       rg.addView(rb1);
       rg.addView(rb2);
       rg.setOrientation(RadioGroup.HORIZONTAL);
        RelativeLayout.LayoutParams params = new
RelativeLayout.LayoutParams((int)
LayoutParams.WRAP CONTENT, (int) LayoutParams.WRAP CONTENT);
        params.leftMargin =150;
        params.topMargin = 100;
        rg.setLayoutParams(params);
        rl.addView(rg);
        rg.setOnCheckedChangeListener(new
RadioGroup.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(RadioGroup group, int checkedId) {
                RadioButton radioButton = (RadioButton)
findViewById(checkedId);
Toast.makeText(getApplicationContext(),radioButton.getText(),Toast.LENGTH L
ONG).show();
        });
   }
}
```