**Practical – 6 : Make android app which demonstrate use of radio button.**

**Activity\_main.xml**

<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">  
  
 <TextView  
 android:id="@+id/textView1"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30dp"  
 android:gravity="center\_horizontal"  
 android:textSize="22dp"  
 android:text="Single Radio Buttons" />  
  
  
  
 *<!-- Default RadioButtons -->* <RadioButton  
 android:id="@+id/radioButton1"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Radio Button 1"  
 android:layout\_marginTop="20dp"  
  
 android:textSize="20dp" />  
 <RadioButton  
 android:id="@+id/radioButton2"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Radio Button 2"  
 android:layout\_marginTop="10dp"  
  
 android:textSize="20dp" />  
  
  
 <View  
 android:layout\_width="fill\_parent"  
 android:layout\_height="1dp"  
 android:layout\_marginTop="20dp"  
 android:background="#B8B894" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30dp"  
 android:gravity="center\_horizontal"  
 android:textSize="22dp"  
 android:text="Radio button inside RadioGroup" />  
  
  
 *<!-- Customized RadioButtons -->* <RadioGroup  
 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: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:textSize="20dp" />  
 </RadioGroup>  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:onClick="onclickbuttonMethod"  
 android:text="Show Selected" />  
  
  
</LinearLayout>

**MainActivity.java**

package com.example.radiobutton;  
  
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();  
 }  
  
 }  
}

**Output:**

