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 -->
```

```
< Radio Group
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:id="@+id/radioGroup">
        < Radio Button
            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:



Single Radio Buttons

- Radio Button 1
- Radio Button 2

Radio button inside RadioGroup

- Male
- Female

SHOW SELECTED