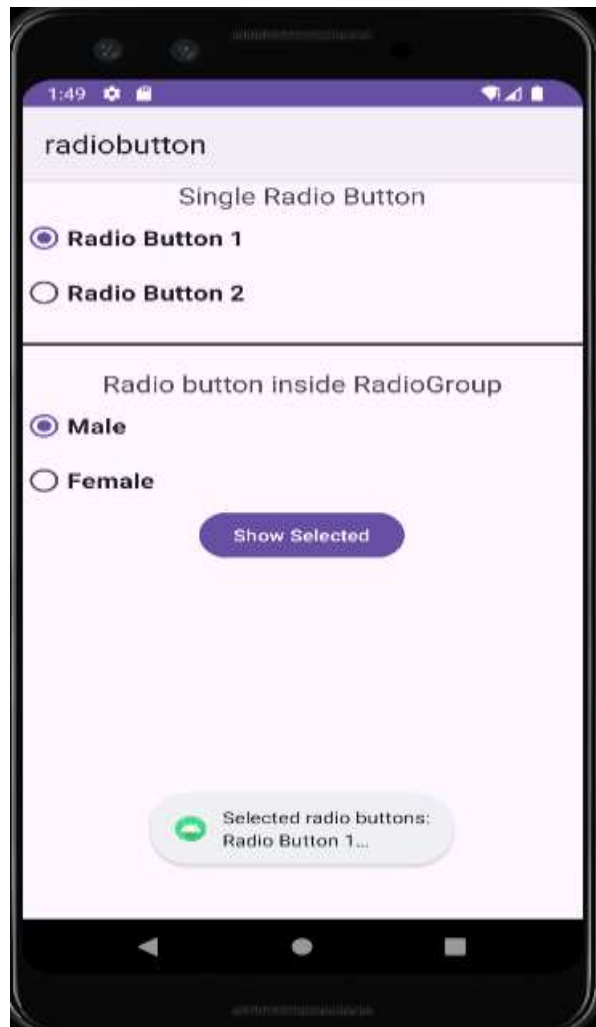


Exercise:

1. Write program to show the following output. First two radio buttons are without using radio group and next two radio buttons are using radio group. Note the Changes beww these two. Also toast which radio button has been selected.



- activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.
com/apk/res/android"
    xmlns:tools="http://schemas.android.co
m/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Single Radio Button"
```

```
        android:textSize="20sp" />
        <RadioButton android:id="@+id/radio1"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Radio Button 1"
            android:textSize="18dp"
            android:textStyle="bold"/>
        <RadioButton android:id="@+id/radio2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="Radio Button 2"
            android:textSize="18dp"
            android:textStyle="bold" />
    <View
```

```

android:layout_width="match_parent"
android:layout_height="2dp"
android:background="@android:color/black"
android:layout_marginTop="20dp"
android:layout_marginBottom="20dp"/>
<TextView android:id="@+id/textView"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:gravity="center"
android:text="Radio button inside
RadioGroup"
android:textSize="20sp" /><RadioGroup
android:id="@+id/radioGroup"
android:layout_width="match_parent"
android:layout_height="wrap_content">
<RadioButton android:id="@+id/radioMale"
android:layoutwidth="wrap_content"
android:layout_height="wrap_content"
android:text="Male" android:textSize="18dp"
android:textStyle="bold" />
<RadioButton
android:id="@+id/radioFemale"
android:layout_width="wrap_content"

```

```

android:layout_height="wrap_content"
android:text="Female"
android:textSize="18dp"
android:textStyle="bold" />
</RadioGroup>
<Button android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:onClick="showMsg"
android:text="Show Selected" />
</LinearLayout>

<Button
    android:id="@+id/button"

    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_gravity="center_horizontal"

    android:onClick="showMsg"
    android:text="Show Selected" />
</LinearLayout>

```

- activitymain.java

```

package com.example.pr12q1_radio;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.*;
public class MainActivity extends AppCompatActivity {
    RadioButton r1, r2, rMale, rFemale;
    RadioGroup rGroup;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        r1 = findViewById(R.id.radio1);
        r2 = findViewById(R.id.radio2);
        rMale = findViewById(R.id.radioMale);
        rFemale = findViewById(R.id.radioFemale);
        rGroup = findViewById(R.id.radioGroup); }
    public void showMsg(View view) {
        String str = "Selected radio buttons:\n";
        if(r1.isChecked())
            str += "Radio Button 1\n";
        if(r2.isChecked())
            str += "Radio Button 2\n";
        RadioButton sRadio = findViewById(rGroup.getCheckedRadioButtonId());
        str += sRadio.getText().toString();
        Toast.makeText(MainActivity.this, str, Toast.LENGTH_LONG).show(); }
}

```