1.

## activity\_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<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">
<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" />
<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" />
```

```
<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: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>
```

## MainActivity.java:

package com.example.exp12;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
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()+" is
Selected", Toast.LENGTH_SHORT).show();
}
}
}
Output:
11:51 🌣 🖼 🦱
           Single Radio Buttons
O Radio Button 1
Radio Button 2
     Radio button inside RadioGroup
Male
O Female
                  Show Selected
```