```
activity.xml:;
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools'
    android:layout_width="match parent"
    android:layout height="match parent"
    tools:context="com.example.exp 8.MainActivity">
    <RadioGroup
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout centerInParent="true"
        android:id="@+id/radioGroup">
        <RadioButton
            android:id="@+id/radio one"
            android:layout_width="wrap_content"
            android:layout height="wrap content"
            android:text="Male"
            android:onClick="checkButton"
            android:checked="true"/>
        <RadioButton
            android:id="@+id/radio two"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text="Female"
            android:onClick="checkButton"/>
        <RadioButton
            android:id="@+id/radio three"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:text="Others"
            android:onClick="checkButton"/>
    </RadioGroup>
    <TextView
        android:id="@+id/text view selected"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout below="@+id/radioGroup"
        android:layout centerHorizontal="true"
        android:layout marginTop="27dp"
        android:text="Your selection: "
        android:textSize="20sp" />
    <But.ton
        android:id="@+id/button apply"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout below="@+id/text view selected"
        android:layout centerHorizontal="true"
        android:layout marginTop="37dp"
        android:text="apply" />
</RelativeLayout>
```

```
main::
package com.example.exp 8;
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.TextView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    RadioGroup radioGroup;
    RadioButton radioButton;
    TextView textView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        radioGroup = findViewById(R.id.radioGroup);
        textView = findViewById(R.id.text view selected);
        Button buttonApply = findViewById(R.id.button apply);
        buttonApply.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int radioId = radioGroup.getCheckedRadioButtonId();
                radioButton = findViewById(radioId);
                textView.setText("Your choice: " + radioButton.getText());
        });
    public void checkButton(View v) {
        int radioId = radioGroup.getCheckedRadioButtonId();
        radioButton = findViewById(radioId);
        Toast.makeText(this, "Selected Radio Button: " +
radioButton.getText(),
                Toast.LENGTH SHORT) .show();
    }
}
```

OUTPUT

