

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:

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Radiobutton

Single Radio Buttons

☒ Radio Button 1

☐ Radio Button 2

Radio button inside RadioGroup

☒ Male

☐ Female

SHOW SELECTED

Male

