Radio Button package com.example.mysampleapplication;  
  
import androidx.annotation.NonNull;  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.os.PersistableBundle;  
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 {  
  
 TextView tv;  
 RadioButton red,blue,green,yellow;  
 RadioGroup rg;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*weight\_layout*);  
 red=findViewById(R.id.*rb1*);  
 blue=findViewById(R.id.*rb2*);  
 green=findViewById(R.id.*rb3*);  
 yellow=findViewById(R.id.*rb4*);  
 tv=findViewById(R.id.*tv*);  
 rg=findViewById(R.id.*rg*);  
  
 rg.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() {  
 @Override  
 public void onCheckedChanged(RadioGroup group, int checkedId) {  
  
 switch (checkedId)  
 {  
 case R.id.*rb1*:  
 tv.setBackgroundColor(getResources().getColor(R.color.*red*));  
 break;  
  
 case R.id.*rb2*:  
 tv.setBackgroundColor(getResources().getColor(R.color.*green*));  
 break;  
 case R.id.*rb3*:  
 tv.setBackgroundColor(getResources().getColor(R.color.*blue*));  
 break;  
 case R.id.*rb4*:  
 tv.setBackgroundColor(getResources().getColor(R.color.*yellow*));  
 break;  
 }  
 }  
 });  
  
  
  
  
 }  
  
  
} *<?*xml version="1.0" encoding="utf-8"*?>*  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select a Color"  
 android:textSize="30sp"/>  
  
 <RadioGroup  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/rg">  
 <RadioButton  
 android:id="@+id/rb1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Red"/>  
 <RadioButton  
 android:id="@+id/rb2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Blue"/>  
 <RadioButton  
 android:id="@+id/rb3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Green"/>  
 <RadioButton  
 android:id="@+id/rb4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Yellow"/>  
 </RadioGroup>  
 <TextView  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:id="@+id/tv"  
 />  
</LinearLayout>