**PRACTICAL-3.3**

**AIM:**

**Create simple Application which show the use of Radio view,take 3 radio button. When radio button is selected it will show the text of radio button using Toast.**

**PROGRAM CODE:**

* **Activity\_main.xml:**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 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=".MainActivity">  
  
 <RadioGroup  
 android:id="@+id/group"  
 android:layout\_width="200dp"  
 android:layout\_height="144dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.606"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.272">  
  
 <RadioButton  
 android:id="@+id/radio1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="casual"  
 android:text="@string/hello\_world"  
 android:textSize="20sp" />  
  
 <RadioButton  
 android:id="@+id/radio2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="casual"  
 android:text="@string/namaste"  
 android:textSize="20sp" />  
  
 <RadioButton  
 android:id="@+id/radioButton3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="casual"  
 android:text="@string/thank\_you"  
 android:textSize="20sp" />  
 </RadioGroup>  
  
 <TextView  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/parth\_patel\_19dcs098"  
 android:textColor="#FF5722"  
 android:textSize="24sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.603"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.108"  
 tools:ignore="TextContrastCheck" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="48dp"  
 android:backgroundTint="#FFC107"  
 android:text="@string/submit"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/group"  
 app:layout\_constraintVertical\_bias="0.157"  
 tools:ignore="TextContrastCheck" />  
</androidx.constraintlayout.widget.ConstraintLayout>

* **Strings.xml:**

<resources>  
 <string name="app\_name">RadioButtons</string>  
 <string name="parth\_patel\_19dcs098">Parth Patel-19DCS098</string>  
 <string name="hello\_world">Hello World!!</string>  
 <string name="namaste">Namaste!!</string>  
 <string name="thank\_you">Thank You!!</string>  
 <string name="submit">SUBMIT</string>  
</resources>

* **MainActivity.java:**

package com.parthnpatel.radiobuttons;  
  
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 {  
  
 private Button btn;  
 private RadioGroup rgroup;  
 private RadioButton radioBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 btn=findViewById(R.id.button);  
 rgroup=findViewById(R.id.group);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int selectedRadio=rgroup.getCheckedRadioButtonId();  
 radioBtn=findViewById(selectedRadio);  
 String str=radioBtn.getText().toString();  
 Toast.makeText(getApplicationContext(), str, Toast.LENGTH\_LONG).show();  
 }  
 });  
 }  
}

**OUTPUT:**





