

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;

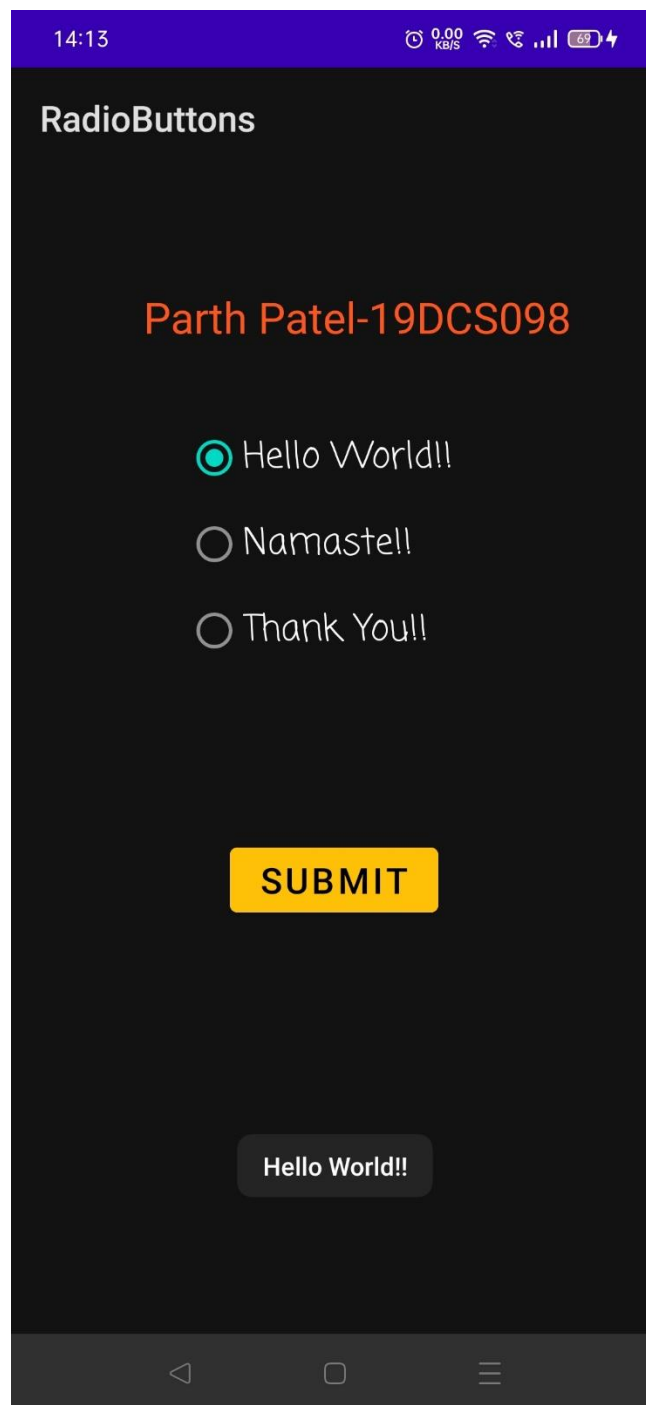
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

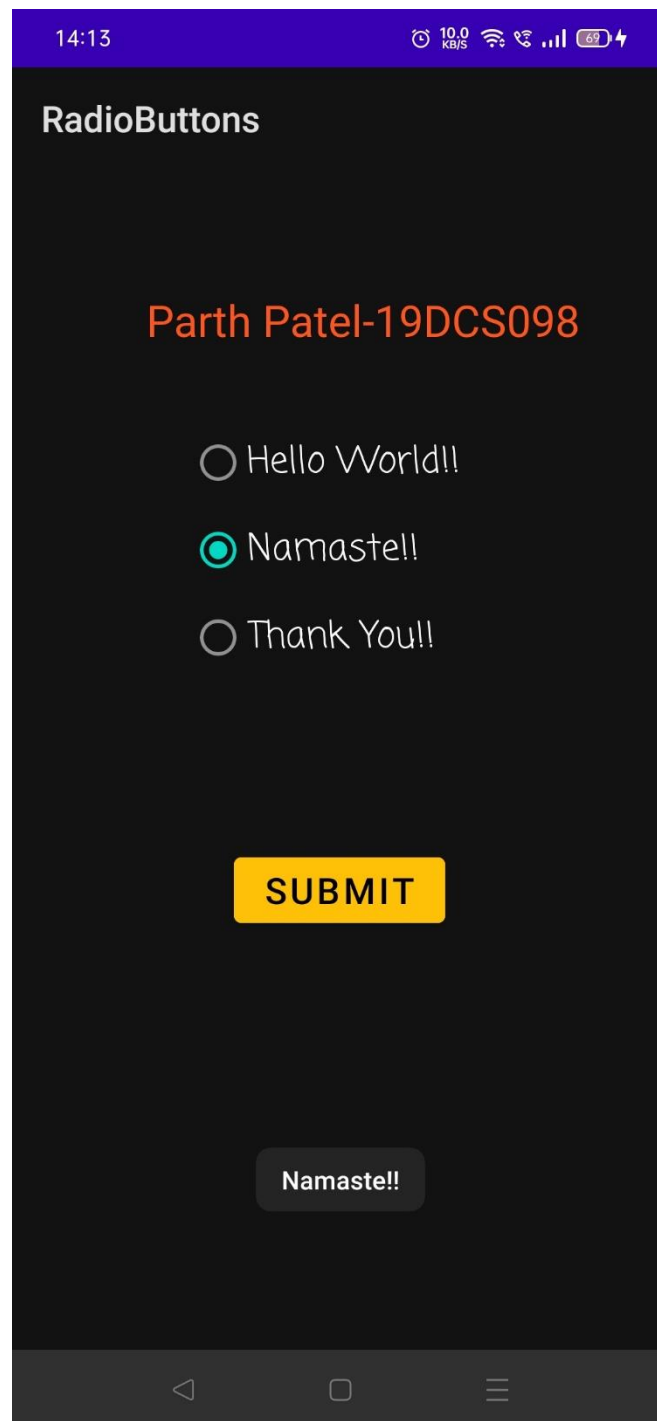
public class MainActivity extends AppCompatActivity {

    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:



The screenshot shows a mobile application interface with a dark background. At the top, the title 'RadioButtons' is displayed in white. Below the title, the name 'Parth Patel-19DCS098' is shown in orange. There are three radio buttons with the following labels: 'Hello VWorld!!', 'Namaste!!', and 'Thank You!!'. The 'Thank You!!' option is selected, indicated by a green dot. Below the radio buttons is a yellow 'SUBMIT' button. At the bottom of the form area, there is a grey button labeled 'Thank You!!'. The top status bar shows the time '14:13' and various icons including signal strength, battery, and data usage. The bottom navigation bar shows standard Android navigation icons.