

## Practical: Radio button demo

Step 1: Start a new Application with an appropriate name say "RadioApplication".

Step 2: Create the activity.xml File with RelativeLayout.

Step 3: Add a radiogroup(set id as rg1) and three radio buttons(set ids as rb1,rb2,rb3) and one textview(id as t1).Set layout\_alignparentbottom property to true.

Step 4: Create the Java Activity codecode ie MainActivity.java

Step 5: Run the app

Note: I have used three radio buttons in this demo RadioApplication.

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activity\_main.xml  
-----

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
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"
tools:context=".MainActivity"
>
```

```
<TextView
```

```
    android:id="@+id/t1"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:layout_alignParentBottom="true"
```

```
    android:layout_marginEnd="8dp"
```

```
    android:text="@string/radio_button_demo" />
```

```
<RadioGroup
```

```
    android:id="@+id/rg1"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
>
```

```
<RadioButton
```

```
    android:id="@+id/rb1"
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Python" />
```

```
<RadioButton
```

```
    android:id="@+id/rb2"
```

```
    android:layout_width="229dp"
```

```
    android:layout_height="wrap_content"
```

```
    android:text="Internet Technologies" />
```

```
<RadioButton
    android:id="@+id/rb3"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="DBMS" />
</RadioGroup>
```

```
</RelativeLayout>
```

---

MainActivity.java

note- write the code from import statement onwards

Do not change your package name as that might be different from this package

---

```
package com.example.radioapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
```

```

private RadioGroup rgrp;
private RadioButton r1,r2,r3;
private TextView t1;

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    rgrp = (RadioGroup)findViewById(R.id.rg1);
    r1=(RadioButton)findViewById(R.id.rb1);
    r2=(RadioButton)findViewById(R.id.rb2);
    r3=(RadioButton)findViewById(R.id.rb3);
    t1= (TextView)findViewById(R.id.t1);

    rgrp.setOnCheckedChangeListener(new
RadioGroup.OnCheckedChangeListener() {
        @Override
        public void onCheckedChanged(RadioGroup group, int checkedId) {

            RadioButton nameRadio = (RadioButton) findViewById(checkedId);
            String s1=nameRadio.getText().toString();
            //Toast.makeText(MainActivity.this,s1,
Toast.LENGTH_SHORT).show();
            if(checkedId==r1.getId())
            {
                String s2="Teacher - Dr.Suruchi";

```

```
        t1.setText(s2);
    }
    else if(checkedId==r2.getId()) {
        String s3="Teacher - Dr. Meenakshi";
        t1.setText(s3);
    }
    else{
        String s4=" Teacher - Dr. Surbhi";
        t1.setText(s4);
    }
}
});
}
}
```

For any doubt contact 9873961590