

LAB 06

Layout Code:

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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"
    android:backgroundTint="@color/black"
    android:padding="10dp"
    tools:context=".MainActivity">

    <ImageView
        android:id="@+id/imageView3"
        android:layout_width="359dp"
        android:layout_height="182dp"
        app:srcCompat="@drawable/img" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/imageView3"
        android:layout_centerHorizontal="true"
        android:ems="10"
        android:hint="Name"
        android:inputType="textPersonName"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/editTextTextPersonName2"
        android:text="Age"
        android:textSize="24sp" />

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView2"
        android:background="@color/teal_200">

        <RadioButton
            android:id="@+id/radioButton"
            android:layout_width="wrap_content"
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        android:layout_height="wrap_content"
        android:layout_below="@+id/textView2"
        android:text="18 to 21"
        android:textSize="18sp" />

<RadioButton
    android:id="@+id/radioButton2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/radioButton"
    android:text="22 to 30"
    android:textSize="18sp" />

<RadioButton
    android:id="@+id/radioButton3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/radioButton2"
    android:text="31 to 50"
    android:textSize="18sp" />
</RadioGroup>

<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/radioGroup"
    android:text="Preferred City"
    android:textSize="24sp" />

<CheckBox
    android:id="@+id/checkbox"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/textView3"
    android:text="MYSORE"
    android:textSize="18sp" />

<CheckBox
    android:id="@+id/checkbox2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkbox"
    android:text="BANGALORE"
    android:textSize="18sp" />

<CheckBox
    android:id="@+id/checkbox3"

```

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        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/checkBox2"
        android:text="DELHI"
        android:textSize="18sp" />

<CheckBox
    android:id="@+id/checkBox4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkBox3"
    android:text="CHENNAI"
    android:textSize="18sp" />

<Button
    android:id="@+id/button2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_below="@+id/checkBox4"
    android:layout_centerHorizontal="true"
    android:onClick="start"
    android:text="Get Info" />

</RelativeLayout>

```

Java Code:

```

package com.example.lab06;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    EditText etname;
    ImageView iv;
    Button btn;
    RadioGroup rg;
    RadioButton rbtn;
    CheckBox c1,c2,c3,c4;
}

```

```

Integer one,two,three,four;
Integer Total;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    etname = findViewById(R.id.editTextTextPersonName2);
    iv = findViewById(R.id.imageView3);
    rg = (RadioGroup) findViewById(R.id.radioGroup);
    c1 = (CheckBox) findViewById(R.id.checkBox);
    c2 = (CheckBox) findViewById(R.id.checkBox2);
    c3 = (CheckBox) findViewById(R.id.checkBox3);
    c4 = (CheckBox) findViewById(R.id.checkBox4);

}

public void start(View view) {
    String name = etname.getText().toString().trim();
    int selected_id = rg.getCheckedRadioButtonId();
    rbtn = (RadioButton) findViewById(selected_id);
    String rb_text = rbtn.getText().toString();
    String msg="";
    if(c1.isChecked())
        msg = msg + " MYSORE ";
    if(c2.isChecked())
        msg = msg + " BANGALORE ";
    if(c3.isChecked())
        msg = msg + " DELHI ";
    if(c4.isChecked())
        msg = msg + " CHENNAI ";

    Toast.makeText( this, " Name: "+ name  + "\n Age Group: "+ rb_text +
"\n Preferred City: "+ msg,Toast.LENGTH_LONG).show();
}
}

```

Manifest Code:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.lab06">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.LAB06">

```

```

        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>

```

Screenshot

