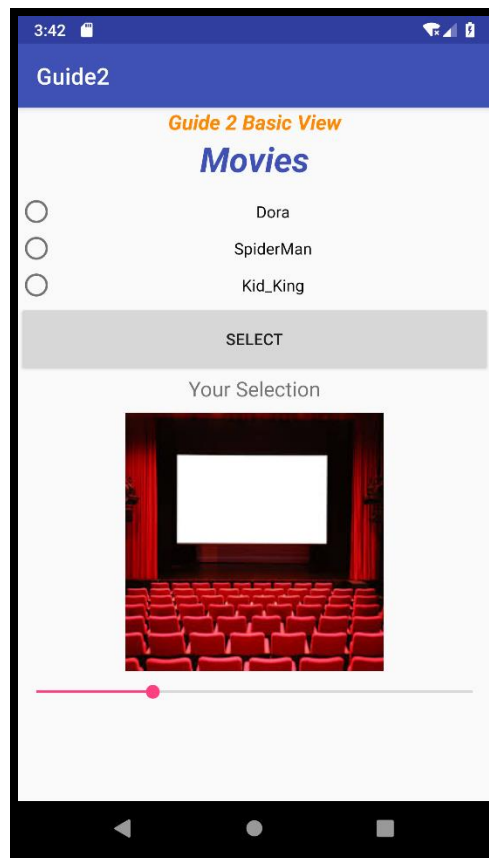


OBJECTIVES : Basic Views

Instructor : Neşe ÖZÇELİK

Assistant : Leyla SEZER

- ✓ Create a new project and create your virtual device carefully, then make the following design by using design and blueprint windows.
- ✓ Make the following application according to the instructions.
- ✓ Change the layout to the LinearLayout vertical.
- ✓ Basic Views;
 - TextView; the text is Guide 2 Basic View,
 - TextView; the text is Movies,
 - 3 Radio Button ; Dora, SpiderMan and Kid_King,
 - 1 RadioButtonGroup,
 - 1 TextView: show the users selection,
 - Button: text is SELECT,
 - ImageView: put the given three images to the drawable folder,
 - Finally; seekBar; progress is 4 max is 15.



- ✓ Give an id for each views, please use the format given below.
 - TextView; txtG2
 - TextView; txtFMovies
 - 3 Radio Button ; rdbtnFirst, rdbtnSecond, rdbtnThird
 - 1 RadioButtonGroup; rdbtngrp1
 - 1 TextView; txtSelected
 - Button; btnSelect
 - ImageView; imgMovies
 - SeekBar; sbChange
- ✓ Please examine the activity_main.xml to help for preparing the application.

activity_main.xml

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

    <TextView
        android:id="@+id/txtG2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="@string/txtLG2"
        android:textAlignment="center"
        android:textColor="@android:color/holo_orange_dark"
        android:textSize="18sp"
        android:textStyle="bold|italic"
        android:typeface="normal" />

    <TextView
        android:id="@+id/txtMovie"
        android:layout_width="match_parent"
        android:layout_height="50dp"
        android:text="@string/txtMovie"
        android:textAlignment="center"
        android:textColor="@color/colorPrimary"
        android:textSize="30sp"
        android:textStyle="bold|italic"
        tools:text="@string/txtMovie" />

    <RadioGroup
        android:id="@+id/rdbtngrp1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center" >

        <RadioButton
            android:id="@+id/rdbtnFirst"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="checkedRadio"
            android:text="@string/rdFirst"
            android:textAlignment="center"
            tools:text="@string/rdFirst" />

        <RadioButton
            android:id="@+id/rdbtnSecond"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="checkedRadio"
            android:text="@string/rdSecond"
            android:textAlignment="center" />

        <RadioButton
            android:id="@+id/rdbtnThird"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:onClick="checkedRadio"
            android:text="@string/rdThird"
            android:textAlignment="center" />

    </RadioGroup>

</LinearLayout>
```

```

</RadioGroup>

<Button
    android:id="@+id/btnApply"
    android:layout_width="match_parent"
    android:layout_height="62dp"
    android:onClick="display"
    android:text="@string/btnSelect" />

<TextView
    android:id="@+id/txtSelected"
    android:layout_width="match_parent"
    android:layout_height="33dp"
    android:text="@string/txtSelection"
    android:textAlignment="center"
    android:textSize="18sp" />

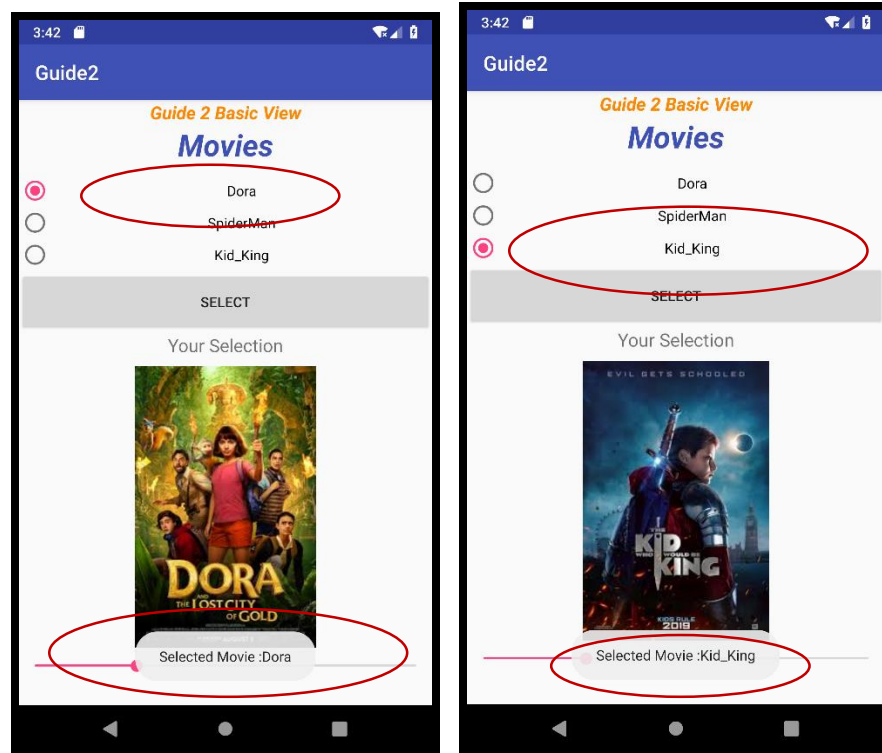
<ImageView
    android:id="@+id/imgMovie"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:contentDescription="@string/movie_hint"
    app:srcCompat="@drawable/movie" />

<SeekBar
    android:id="@+id/sbChange"
    android:layout_width="match_parent"
    android:layout_height="36dp"
    android:progress="4"
    android:max="15"
    />

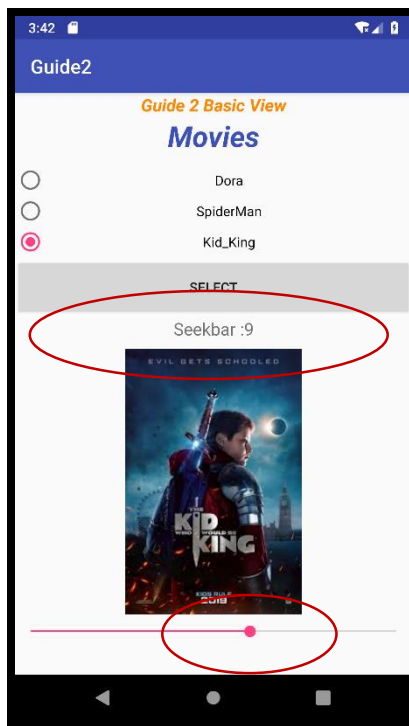
</LinearLayout>

```

- ✓ After Running the project see the screenshots how it will works.
- ✓ When the user select one of the RadioButton, the Toast message will be shown in the screen.
- ✓ When the user select one of the RadioButton and clicks on the SELECT button TextView shows the message "Your Choice is: Dora" as int the screen.
- ✓ According to the user's selection the image of the movie must be change as shown below.



- ✓ Finally, when the user changes the progress of the SeekBar, TextView shows the message "SeekBar:9"
- ✓ Examine the MainActivity.java content which is given below.



MainActivity.java

```
public class MainActivity extends AppCompatActivity {
    RadioButton rd1,rd2,rd3,radioButton;
    ImageView img;
    RadioGroup radioGroup;
    TextView textView;
    Button btnApply;
    SeekBar seek;

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        radioGroup = findViewById(R.id.rdbtngrp1);
        rd1 = findViewById(R.id.rdbtnFirst);
        rd2 = findViewById(R.id.rdbtnSecond);
        rd3 = findViewById(R.id.rdbtnThird);
        textView = findViewById(R.id.txtSelected);
        img = findViewById(R.id.imgMovie);
        btnApply = findViewById(R.id.btnApply);

        seek = findViewById(R.id.sbChange);
        seek.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {
            public void onProgressChanged(SeekBar seekBar, int progress, boolean b) {
                textView.setText("SeekBar :"+progress);
            }
            public void onStartTrackingTouch(SeekBar seekBar) {
            }
            public void onStopTrackingTouch(SeekBar seekBar) {
            }
        });
    }
    public void checkedRadio(View view)
    {
        int radioID = radioGroup.getCheckedRadioButtonId();
        radioButton = findViewById(radioID);
        if(radioButton == rd1)
            img.setImageDrawable(getResources().getDrawable(R.drawable.dora));
        else if(radioButton == rd2)
            img.setImageDrawable(getResources().getDrawable(R.drawable.spiderman));
        else
            img.setImageDrawable(getResources().getDrawable(R.drawable.kid_king));
        Toast.makeText(this, "Selected Movie :"+radioButton.getText(), Toast.LENGTH_LONG).show();
    }
    public void display(View view)
    {
        int radioID = radioGroup.getCheckedRadioButtonId();
        radioButton = findViewById(radioID);
        textView.setText("Your choice is:"+radioButton.getText());
    }
}
```