



Mobile Programming

Android Programming

Chap 3. Views and Layouts - LAB

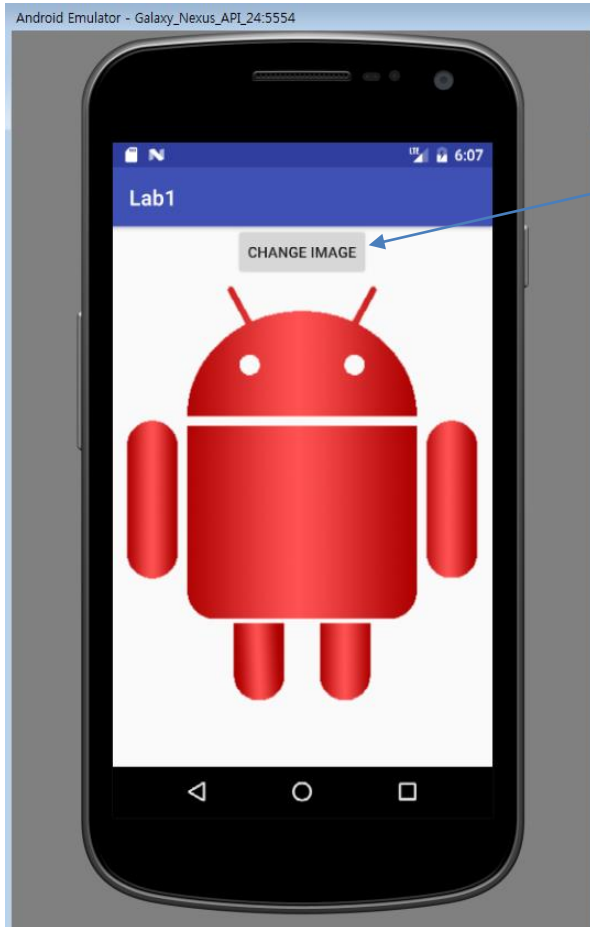
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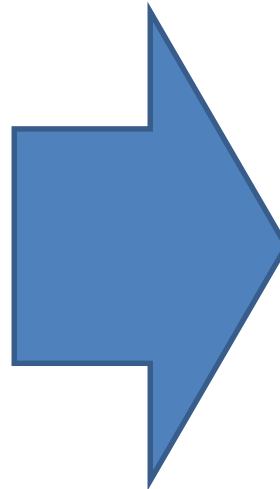
LAB I – Do it yourself!!



- Make an App for changing an Image from RED to Blue



Click



LAB I – First Step



- Make an activity_main.xml file
 - Hint :
 - Used Layout & Widget : LinearLayout, Button, FrameLayout, ImageView
 - Set the attribute at Button as follows:
 - The name will be referred to MainActivity.java as method name.

```
android:onClick="onButton1Clicked"
```

- Set the attribute at ImageView as follows:

```
android:visibility="invisible"
```

OR

```
android:visibility="visible"
```

LAB I – Second Step (1/2)



- Make an MainActivity.java file

```
package org.androidtown.listview.lab1;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.ImageView;

public class MainActivity extends AppCompatActivity {
    ImageView imageView;
    ImageView imageView2;
    int imageIndex = 0;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        imageView = 
        imageView2 = 
    }
}
```

LAB I – Second Step (2/2)



- Make an MainActivity.java file

```
public void onClicked(View v){
    [redacted]

private void changeImage(){
    if([redacted]){
        imageView.setVisibility(View.VISIBLE);
        imageView2.setVisibility(View.INVISIBLE);

        [redacted]
    }

    else if ([redacted]){
        imageView.setVisibility(View.INVISIBLE);
        imageView2.setVisibility(View.VISIBLE);

        [redacted]
    }
}
}
```