

# *Mobile Interface Lab Assignment 1*

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*Background  
Changing  
App*

## MainActivity.java File

```
package com.example.backgroundchangeonbuttonclick;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.LinearLayout;

public class MainActivity extends AppCompatActivity {
    Button redButton, greenButton;
    LinearLayout layout;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        redButton=findViewById(R.id.redButton);
        greenButton=findViewById(R.id.greenButton);
        layout=findViewById(R.id.linearlayout);

        redButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                layout.setBackgroundColor(Color.RED);
            }
        });

        greenButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                layout.setBackgroundColor(Color.GREEN);
            }
        });
    }
}
```

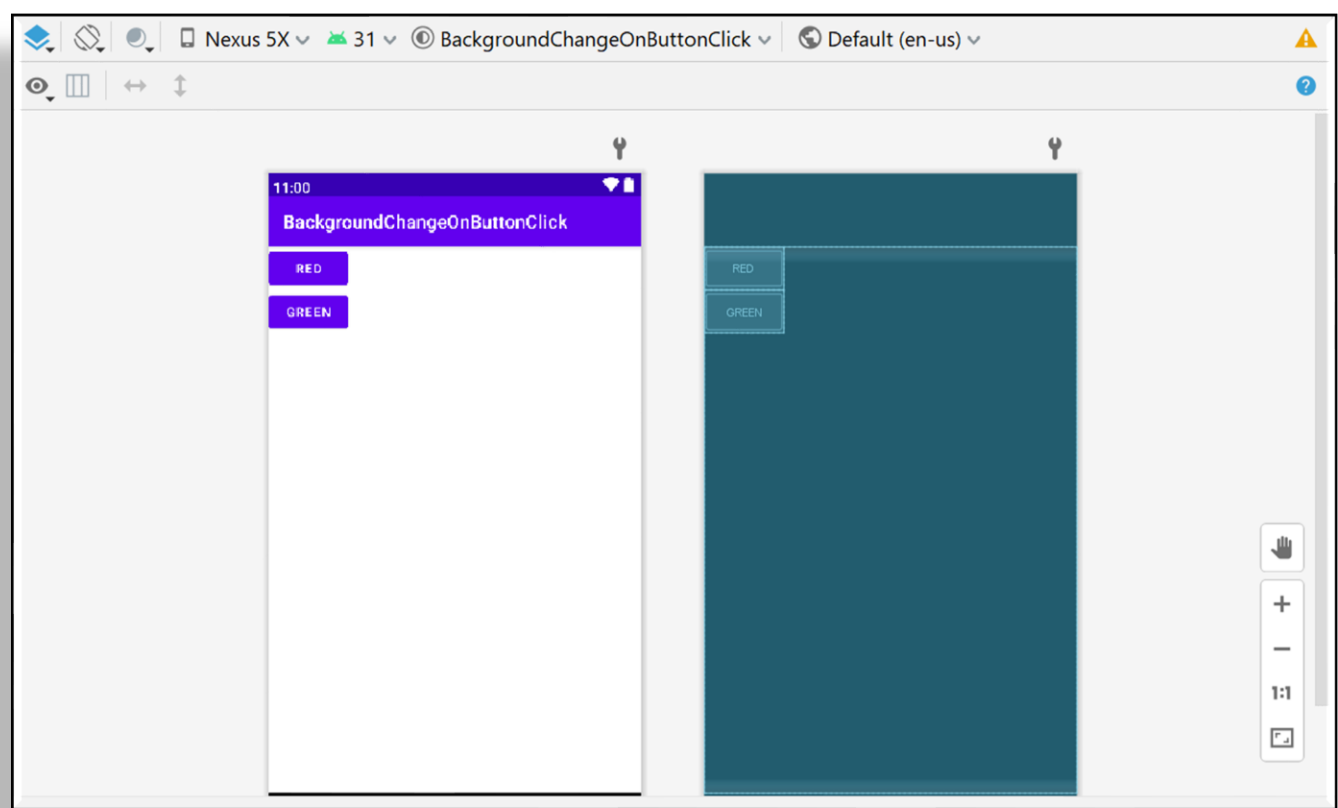
## activity\_main.xml file

```
<?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"
    android:id="@+id/linearlayout">

    <Button
        android:id="@+id/redButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="RED"
        tools:layout_editor_absoluteX="134dp"
        tools:layout_editor_absoluteY="126dp" />

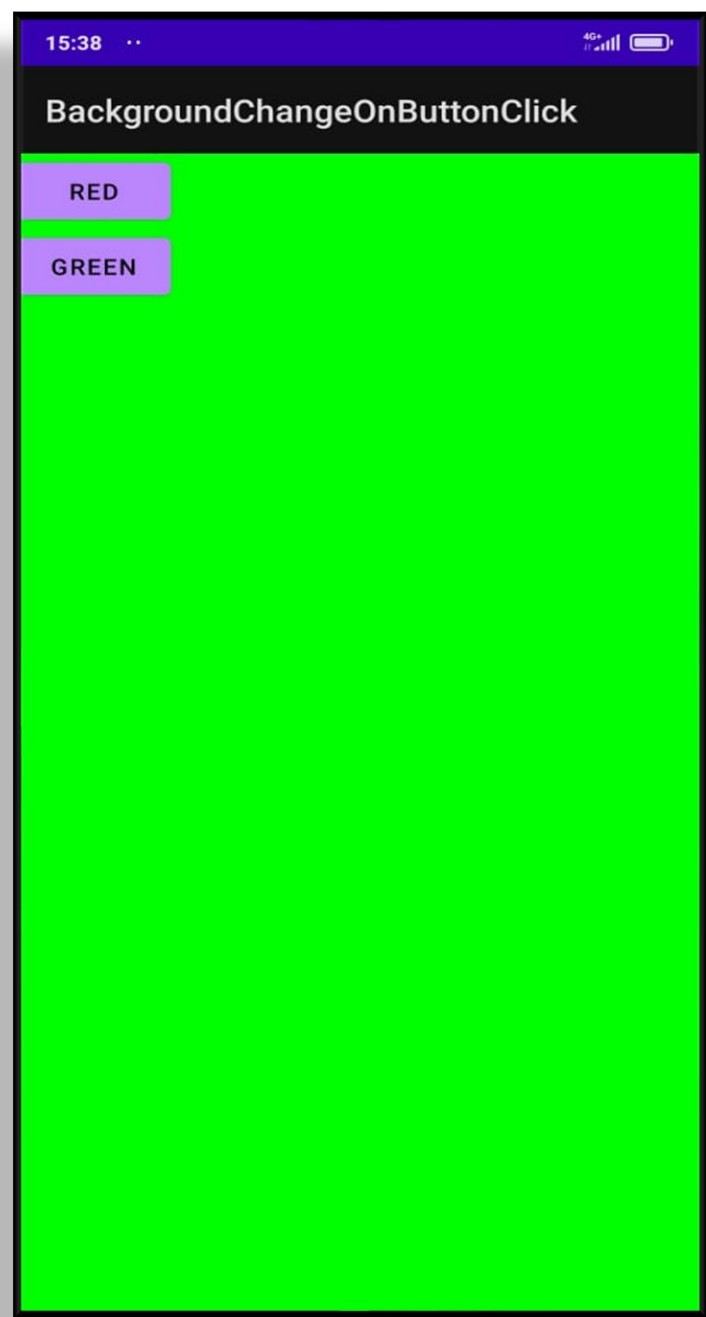
    <Button
        android:id="@+id/greenButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="GREEN"
        tools:layout_editor_absoluteX="248dp"
        tools:layout_editor_absoluteY="126dp" />
</LinearLayout>
```

# UI Design of the activity\_main.xml



## On Clicking Green Button

### Redmi Note 6 Pro



On Clicking Red Button

Redmi note 6 Pro

