PRACTICAL: 7

AIM: Create an application that will change color of the screen, based on selected options from the menu.

SOURCE CODE:

Main.Activity.java

```java
package com.example.admin1.pratical7;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RelativeLayout;
import android.graphics.Color;

public class MainActivity extends AppCompatActivity {
    Button btn1,btn2,btn3,btn4;
    RelativeLayout r;

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

        btn1 = (Button) findViewById(R.id.button);
        btn2 = (Button) findViewById(R.id.button2);
        btn3 = (Button) findViewById(R.id.button3);
        btn4 = (Button) findViewById(R.id.button4);
        r = (RelativeLayout) findViewById(R.id.layout);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                r.setBackgroundColor(Color.parseColor("#FF0000"));
            }
        });

        btn2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                r.setBackgroundColor(Color.parseColor("#7CFC00"));
            }
        });

        btn3.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                r.setBackgroundColor(Color.parseColor("#FFFF00"));
            }
        });

        btn4.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                r.setBackgroundColor(Color.parseColor("#0000ff"));
```

```
        }
    });
  }
}
```

Activity_main.xml

```xml
<?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:id="@+id/layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="74dp"
        android:layout_marginTop="130dp"
        android:text="Red" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignBottom="@+id/button"
        android:layout_alignParentEnd="true"
        android:layout_marginEnd="89dp"
        android:text="Gren" />

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="78dp"
        android:layout_marginTop="261dp"
        android:text="Yellow" />

    <Button
        android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignTop="@+id/button3"
        android:layout_alignEnd="@+id/button2"
        android:text="Blue" />

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_marginStart="-20dp"
```
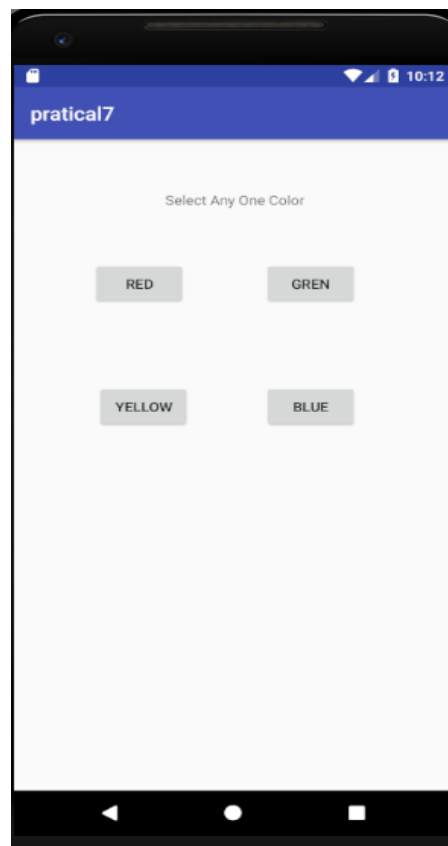
```
        android:layout_marginTop="55dp"
        android:layout_toEndOf="@+id/button"
        android:text="Select Any One Color" />
</RelativeLayout>
```

OUTPUT:

CONCLUSION: We have successfully created menu and when a color is selected the background color change of application.