PRACTICAL:7

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

Source Code:
Program: 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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Spinner
        android:id="@+id/color"
        android:layout_width="234dp"
        android:layout_height="56dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginStart="76dp"
        android:layout_marginTop="67dp"
        android:layout_marginEnd="74dp"
        android:background="#a6a6a6"/>
</RelativeLayout>
```

Program: MainActivity.java

```java
package com.example.pract7;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Spinner;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```
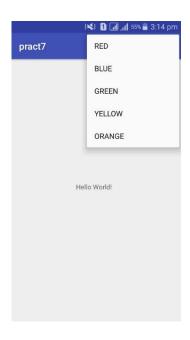
```java
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        final Spinner color = (Spinner) findViewById(R.id.color);
        ArrayAdapter<CharSequence> main_adapter = ArrayAdapter.createFromResource(this,
                R.array.colors_array, android.R.layout.simple_spinner_item);
main_adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        color.setAdapter(main_adapter);
        color.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
                String color_selected = color.getSelectedItem().toString();
                if(color_selected.equals("Blue")){
getWindow().getDecorView().setBackgroundColor(getResources().getColor(R.color.Blue));
                }
                else if(color_selected.equals("Green")){
getWindow().getDecorView().setBackgroundColor(getResources().getColor(R.color.Green));
                }
                else if(color_selected.equals("Red")){

getWindow().getDecorView().setBackgroundColor(getResources().getColor(R.color.Red));
                }
                else if(color_selected.equals("Yellow")){

getWindow().getDecorView().setBackgroundColor(getResources().getColor(R.color.Yellow));
                }
            }
            @Override
            public void onNothingSelected(AdapterView<?> parent) {

            }
        });

    }
}
```

Output: