WCMC (IT349) 6th IT (2019-2020)

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 version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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

```
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) {
```

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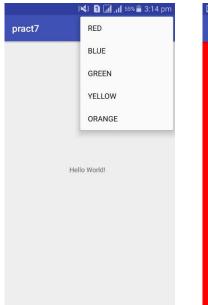
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```
super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    final Spinner color = (Spinner) findViewById(R.id.color);
    ArrayAdapter<CharSequence> main adapter = ArrayAdapter.createFromResource(this,
         R.array.colors 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 on Item Selected (Adapter View <?> 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) {
    });
```

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Output:







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