**Date:- / /**

**Roll No:-48**

**Practical No:-05**

**Practical Name:- Create the application that will change colour of screen based on selected option from the menu.**

**-------------------------------------------------------------------------------------------------------------**

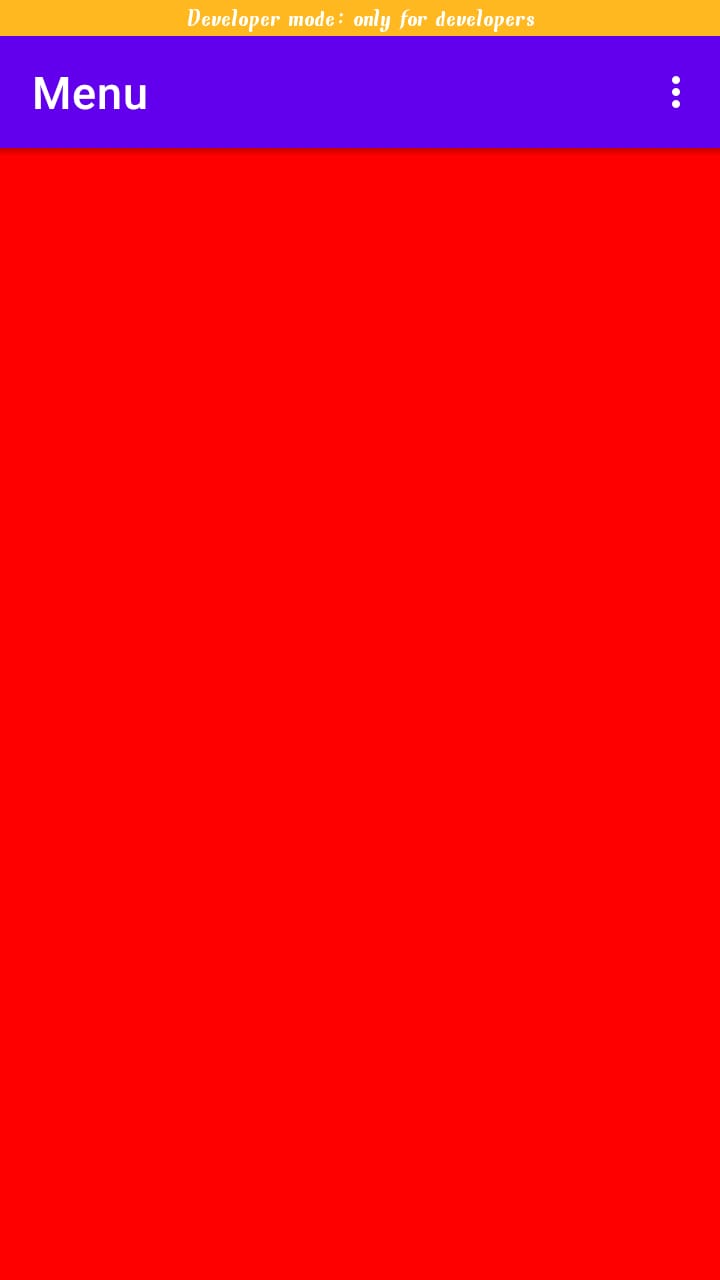
**Activity \_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout 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">  
  
  
 <LinearLayout  
 android:id="@+id/linear"  
 android:layout\_width="408dp"  
 android:layout\_height="659dp"  
 android:orientation="horizontal"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Hello World!" />  
 </LinearLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_main.java**

package com.example.menu;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.graphics.Color;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.widget.LinearLayout;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
 LinearLayout l;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 l=(LinearLayout) findViewById(R.id .*linear*);  
 }  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
 *// Inflate the menu; this adds items to the action bar if it is present.* getMenuInflater().inflate(R.menu.*example\_menu* , menu);  
 return true;  
 }  
  
 @Override  
 public boolean onOptionsItemSelected(MenuItem item) {  
 Toast.*makeText*(this, "Selected Item"+item.getTitle() , Toast.*LENGTH\_SHORT*).show();  
 int id = item.getItemId();  
 switch (id){  
 case R.id.*item1*:  
 l.setBackgroundColor(Color.*RED*);  
 Toast.*makeText*(getApplicationContext(),"Item 1 Selected",Toast.*LENGTH\_LONG*).show();  
 return true;  
 case R.id.*item2*:  
 l.setBackgroundColor(Color.*MAGENTA* );  
 Toast.*makeText*(getApplicationContext(),"Item 2 Selected",Toast.*LENGTH\_LONG*).show();  
 return true;  
 case R.id.*item3*:  
 l.setBackgroundColor(Color.*GREEN* );  
 Toast.*makeText*(getApplicationContext(),"Item 3 Selected",Toast.*LENGTH\_LONG*).show();  
 return true;  
 default:  
 return super.onOptionsItemSelected(item);  
 }  
 }  
}

**Output:-**

****

****

****