**13. Live Wallpaper Android Project**

**Project Abstract:**

As the project name indicates this application deals in checking the display whether it is working properly or not by switching colours when the user clicks the button

**APPLICATION INFORMATION:**

* Version: “1.0”
* Updated on: 27.11.2021
* Released on: 27.11.2021
* Download size: 4 mb
* Application requirements:

1. Control vibration

2. Prevent phone from sleeping

3. Run at startup

**APPLICATION FEATURES:**

* Display checking
* Offline feature
* Display different colours when clicking different buttons

**DESCRIPTION:**

* With the help of This project(Display checking) we can check whether any mobile display is working good or not
* You can also view specific colour which you want using this application

**HOW TO INSTALL SRS CURRENCY CONVERTER APK FOR AN ANDROID** :

* Download Display checking APK file from SameAPK.com, then follow these steps:

**UPDATE PHONE SETTINGS**:

* Go to your phone Settings page
* Tap Security or Applications (varies with device)
* Check the Unknown Sources box
* Confirm with OK

**GO TO DOWNLOADS**:

* Open Downloads on your device by going to My Files or Files
* Tap Install when prompted, the APK file you downloaded will be installed on your device.

**USING EMULATOR**:

* Download And Install one Emulator Software’s

(Ex: Bluestacks, GenyMoti on, NoxPlayer)

**SOURCE CODE:**

**activity\_main.xml:**

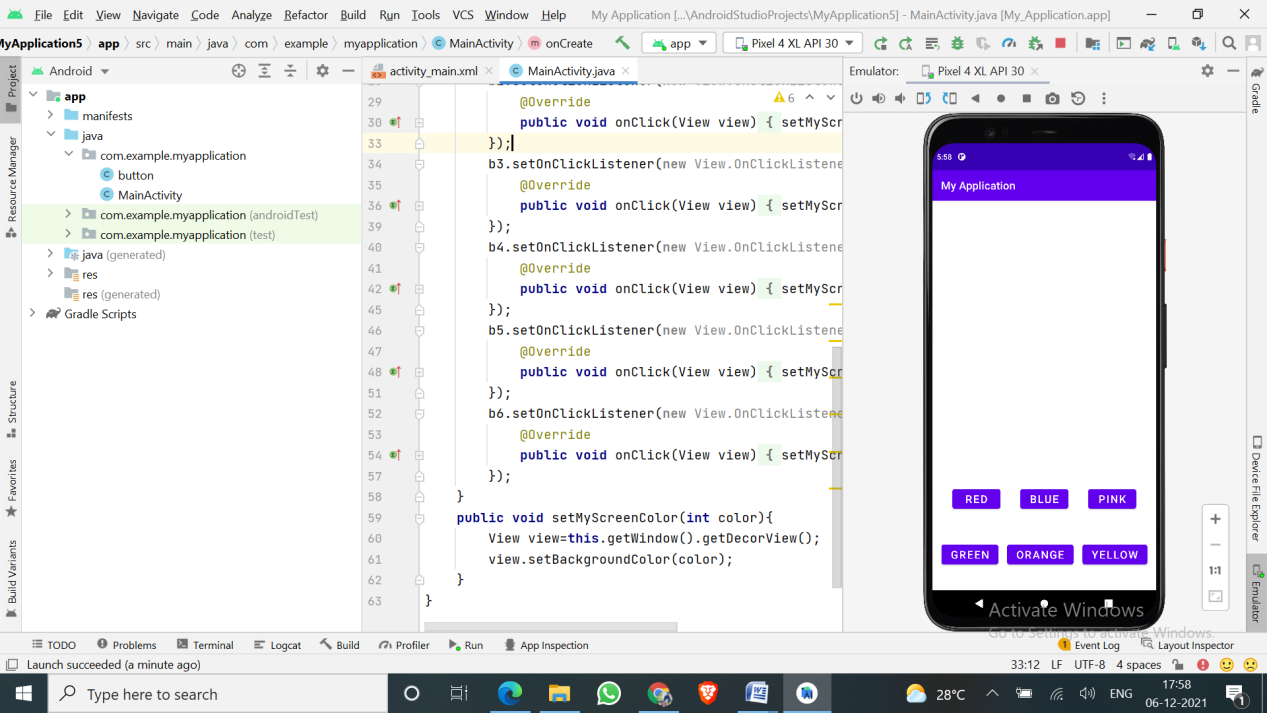
*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**Button  
 android:id="@+id/btnRed"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Red"  
 android:textSize="20sp"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/btnBlue"  
 app:layout\_constraintEnd\_toStartOf="@+id/btnBlue"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 <**Button  
 android:id="@+id/btnBlue"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="54dp"  
 android:text="Blue"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnOrange"  
 app:layout\_constraintEnd\_toStartOf="@+id/btnPink"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/btnRed"** />  
  
 <**Button  
 android:id="@+id/btnPink"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Pink"  
 android:textSize="20sp"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/btnBlue"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/btnBlue"** />  
  
 <**Button  
 android:id="@+id/btnGreen"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="42dp"  
 android:text="Green"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/btnOrange"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 <**Button  
 android:id="@+id/btnOrange"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Orange"  
 android:textSize="20sp"  
 app:layout\_constraintBaseline\_toBaselineOf="@+id/btnYellow"  
 app:layout\_constraintEnd\_toStartOf="@+id/btnYellow"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/btnGreen"** />  
  
 <**Button  
 android:id="@+id/btnYellow"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="42dp"  
 android:text="Yellow"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.5"  
 app:layout\_constraintStart\_toEndOf="@+id/btnOrange"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

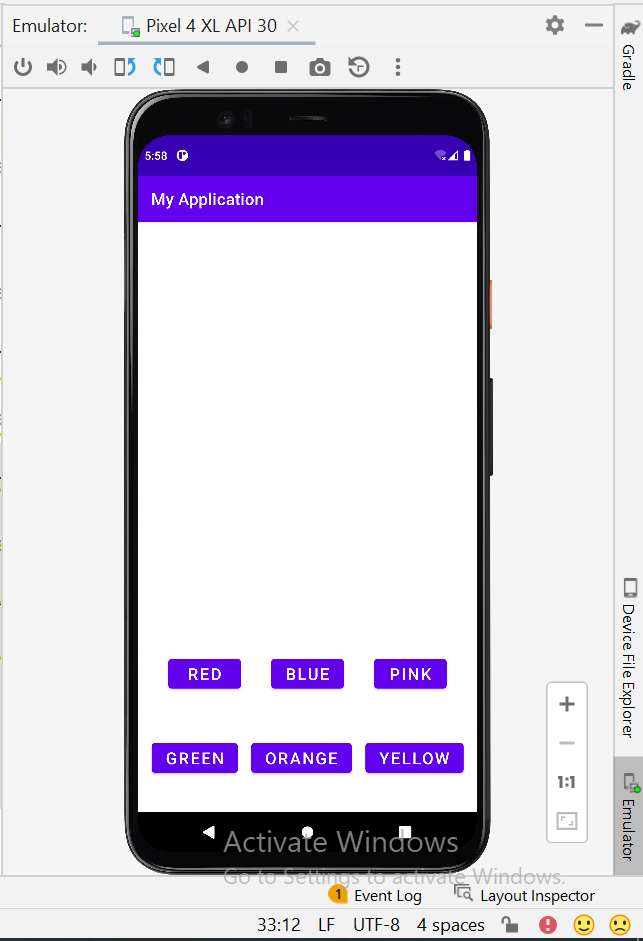
**MainActivity.java:**

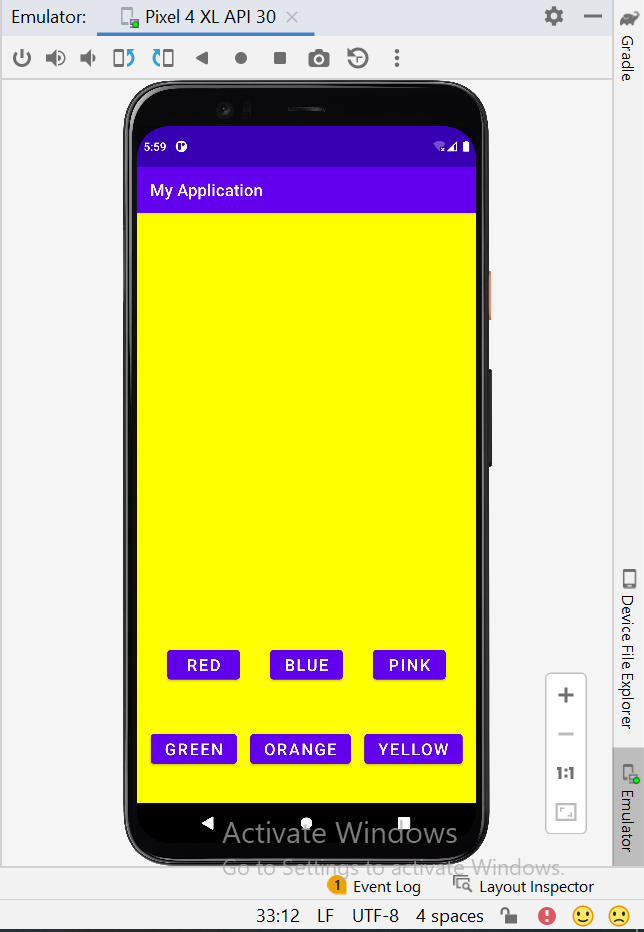
**package** com.example.myapplication;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.graphics.Color;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **final** Button b1= (Button) findViewById(R.id.***btnRed***);  
 **final** Button b2= (Button) findViewById(R.id.***btnBlue***);  
 **final** Button b3= (Button) findViewById(R.id.***btnPink***);  
 **final** Button b4= (Button) findViewById(R.id.***btnGreen***);  
 **final** Button b5= (Button) findViewById(R.id.***btnOrange***);  
 **final** Button b6= (Button) findViewById(R.id.***btnYellow***);  
 b1.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(Color.***RED***);  
 }  
 });  
 b2.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(Color.***BLUE***);  
 }  
 });  
 b3.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(0xFFFFC0CB);  
 }  
 });  
 b4.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(Color.***GREEN***);  
 }  
 });  
 b5.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(0xFFFFA500);  
 }  
 });  
 b6.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 setMyScreenColor(Color.***YELLOW***);  
 }  
 });  
 }  
 **public void** setMyScreenColor(**int** color){  
 View view=**this**.getWindow().getDecorView();  
 view.setBackgroundColor(color);  
 }

}

**OUTPUT:**

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