Name: Gowrishankar G

USN: 1BM18IS039

28/10 Lab assignment

**Activity\_main.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="fill\_parent"  
 android:orientation="horizontal"  
 android:padding="10dp"**>  
  
 <**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="120dp"  
 android:layout\_height="fill\_parent"  
 android:orientation="vertical"  
 android:padding="20dp"**>  
 <**Button  
 android:id="@+id/button\_count"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Increase"  
 android:background="@color/blue"  
 android:layout\_marginBottom="10dp"  
 android:onClick="countup"**/>  
 <**Button  
 android:id="@+id/button\_zero"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Zero"  
 android:background="@color/blue"  
 android:layout\_marginBottom="10dp"  
 android:onClick="zero"**/>  
 <**Button  
 android:id="@+id/button\_toast"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Toast"  
 android:background="@color/blue"  
 android:layout\_marginBottom="10dp"  
 android:onClick="showtoast"**/>  
 </**LinearLayout**>  
 <**TextView  
 android:id="@+id/show\_count"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="300dp"  
 android:layout\_marginTop="0dp"  
 android:background="@color/yellow"  
 android:gravity="center\_vertical|center\_horizontal"  
 android:text="@string/value"  
 android:textSize="60dp"** />  
</**LinearLayout**>

**Strings.xml**

<**resources**>  
 <**string name="app\_name"**>My Application</**string**>  
 <**string name="value"**>0</**string**>  
</**resources**>

**Color.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**color name="colorPrimary"**>#6200EE</**color**>  
 <**color name="colorPrimaryDark"**>#3700B3</**color**>  
 <**color name="colorAccent"**>#03DAC5</**color**>  
 <**color name="yellow"**>#FFFF00</**color**>  
 <**color name="blue"**>#0000FF</**color**>  
 <**color name="red"**>#FF0000</**color**>  
 <**color name="purple"**>#8A2BE2</**color**>  
</**resources**>

**Main\_activity.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;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** org.w3c.dom.Text;  
  
**public class** MainActivity **extends** AppCompatActivity  
{  
 **private int count**=0;  
 **private** TextView **showcount**;  
 **private** Button **bcount**;  
 **private** Button **bzero**;  
 **private** Button **btoast**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **showcount**= (TextView) findViewById(R.id.***show\_count***);  
 **bcount** = (Button) findViewById(R.id.***button\_count***);  
 **bzero**= (Button) findViewById(R.id.***button\_zero***);  
 **btoast**= (Button) findViewById(R.id.***button\_toast***);  
  
  
 }  
  
 **public void** countup(View view)  
 {  
 **count**++;  
 **if**(**showcount**!=**null**)  
 **showcount**.setText(Integer.*toString*(**count**));  
 **if**(**count**%2==0) {  
 **showcount**.setBackgroundColor(Color.***GREEN***);  
 **bcount**.setBackgroundColor(Color.***GREEN***);  
 **bzero**.setBackgroundColor(Color.***GREEN***);  
 **btoast**.setBackgroundColor(Color.***GREEN***);  
 }  
 **else** {  
 **showcount**.setBackgroundColor(Color.***RED***);  
 **bcount**.setBackgroundColor(Color.***RED***);  
 **bzero**.setBackgroundColor(Color.***RED***);  
 **btoast**.setBackgroundColor(Color.***RED***);  
 }  
  
 }  
 **public void** showtoast(View view)  
 {  
 Toast.*makeText*(**this**, **"TOAST MESSAGE DISPLAYED"**, Toast.***LENGTH\_LONG***).show();  
 }  
 **public void** zero(View view)  
 {  
 **showcount**.setText(Integer.*toString*(0));  
 **showcount**.setBackgroundColor(Color.***YELLOW***);  
 **bcount**.setBackgroundColor(Color.***YELLOW***);  
 **bzero**.setBackgroundColor(Color.***YELLOW***);  
 **btoast**.setBackgroundColor(Color.***YELLOW***);  
 **count**=0;  
 }  
  
}

 

