activity_Main.xml

```xml
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_marginTop="102dp"
        android:layout_toLeftOf="@+id/button2"
        android:text="GREEN"
        android:textColor="#ffffff"
        android:textSize="20sp"
        android:textStyle="bold|italic" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/button1"
        android:layout_toLeftOf="@+id/button3"
        android:text="BLUE"
        android:textColor="#ffffff"
        android:textSize="20sp"
        android:textStyle="bold|italic" />

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/button2"
        android:layout_toRightOf="@+id/button4"
        android:text="BLACK"
        android:textColor="#ffffff"
        android:textSize="20sp"
        android:textStyle="bold|italic" />

    <Button
        android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/button3"
```

```xml
            android:layout_centerHorizontal="true"
            android:text="RED"
            android:textColor="#ffffff"
            android:textSize="20sp"
            android:textStyle="bold|italic" />

    <Button
            android:id="@+id/button5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_below="@+id/button4"
            android:layout_toLeftOf="@+id/button4"
            android:text="CYAN"
            android:textColor="#ffffff"
            android:textSize="20sp"
            android:textStyle="bold|italic" />

<TextView
            android:id="@+id/textView1"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_alignParentTop="true"
            android:layout_centerHorizontal="true"
            android:layout_marginTop="47dp"
            android:text="22XH01"
            android:textAppearance="?android:attr/textAppearanceMedium" />
</RelativeLayout>
```

MainActivity.java
```java
package com.example.ex1gui;
import android.os.Bundle;
import android.app.Activity;
import android.graphics.Color;
import android.view.Menu;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
public class MainActivity extends Activity {
Button b1;
Button b2;
Button b3;
Button b4;
Button b5;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1 = (Button) findViewById(R.id.button1);
        b1.setOnClickListener(new OnClickListener()
                        @Override
```

```java
                    public void onClick(View arg0) {
                            // TODO Auto-generated method stub
                            b1.setBackgroundColor(Color.GREEN);
                    }
            });
    b2 = (Button) findViewById(R.id.button2);
    b2.setOnClickListener(new OnClickListener() {
                    @Override
                    public void onClick(View arg0) {
                            // TODO Auto-generated method stub
                            b2.setBackgroundColor(Color.BLUE);
                    }
            });
    b3 = (Button) findViewById(R.id.button3);
    b3.setOnClickListener(new OnClickListener() {
                    @Override
                    public void onClick(View arg0) {
                            // TODO Auto-generated method stub
                            b3.setBackgroundColor(Color.BLACK);
                    }
            });
    b4 = (Button) findViewById(R.id.button4);
    b4.setOnClickListener(new OnClickListener() {
                    @Override
                    public void onClick(View arg0) {
                            // TODO Auto-generated method stub
                            b4.setBackgroundColor(Color.RED);
                    }
            });
    b5 = (Button) findViewById(R.id.button5);
    b5.setOnClickListener(new OnClickListener() {
                    @Override
                    public void onClick(View arg0) {
                            // TODO Auto-generated method stub
                            b5.setBackgroundColor(Color.CYAN);
                    }
            });
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.main, menu);
        return true;
    }

}
```