File name: MainActivity.java

package com.example.my1;

import androidx.appcompat.app.AppCompatActivity;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.TextView;

import android.widget.Button;

public class MainActivity extends AppCompatActivity {

TextView t;

Button b1,b2;

int ch=1;

float font=30;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

t=(TextView)findViewById(R.id.textView);

b1=(Button)findViewById(R.id.button);

b2=(Button)findViewById(R.id.button2);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

t.setTextSize( font );

font = font +5;

if (font == 50)

font = 30;

}

});

b2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

switch(ch) {

case 1:

t.setTextColor( Color.RED );

break;

case 2:

t.setTextColor( Color.GREEN );

break;

case 3:

t.setTextColor( Color.BLUE );

break;

case 4:

t.setTextColor( Color.CYAN

);

break;

case 5:

t.setTextColor( Color.YELLOW );

break;

case 6:

t.setTextColor( Color.MAGENTA );

break;

}

ch++;

if(ch == 7)

ch = 1;

}});

}}

File Name: 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="113dp" android:layout\_height="0dp" android:layout\_marginTop="286dp" android:layout\_marginBottom="30dp" android:text="Hello World!" app:layout\_constraintBottom\_toTopOf="@+id/button" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.419" />

<Button

android:id="@+id/button" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginStart="11dp" android:layout\_marginBottom="37dp" android:text="Increase Size" app:layout\_constraintBottom\_toTopOf="@+id/button2" app:layout\_constraintStart\_toStartOf="@+id/textView" app:layout\_constraintTop\_toBottomOf="@+id/textView" />

<Button

android:id="@+id/button2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:layout\_marginBottom="233dp" android:text="Color change" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintStart\_toStartOf="@+id/button" app:layout\_constraintTop\_toBottomOf="@+id/button" /> </androidx.constraintlayout.widget.ConstraintLayout>