**PROGRAM 3 Date:12/1/2022**

**AIM:** Develop interactive Android application using button to change styles.

# PROGRAM CODE:

**activity.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*

<LinearLayout xmlns:android=["http://schemas.android.com/](http://schemas.android.com/apk/res/android)a[pk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app=["http://sc](http://schemas.android.com/apk/res-auto)h[emas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools=["http://schemas.android.com/tool](http://schemas.android.com/tools)s" android:layout\_width="match\_parent" android:layout\_height="match\_parent"

android:orientation="vertical" tools:context=".MainActivity">

<TextView android:id="@+id/tv" android:layout\_width="319dp"

android:layout\_height="wrap\_content" android:text="SNGIST" android:textColor="@android:color/black" android:textSize="24sp" android:textStyle="bold"/>

<Button

android:id="@+id/b1" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="CHANGE FONT SIZE" android:textSize="24sp"/>

<Button

android:id="@+id/b2" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="CHANGE FONT COLOR" android:textSize="24sp"/>

</LinearLayout>

# mainactivity.java

package com.example.myapplication4;

import androidx.appcompat.app.AppCompatActivity; import android.graphics.Color;

import android.graphics.fonts.Font; import android.os.Bundle;

import android.view.View; import android.widget.Button;

import android.widget.TextView;

public class MainActivity extends AppCompatActivity { int ch=1;

float font=40; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*);

TextView t=findViewById(R.id.*tv*); Button b1=findViewById(R.id.*b1*);

b1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View view) { t.setTextSize(font); font=font+5;

if (font==50) font=30;

}

});

Button b2=findViewById(R.id.*b2*); b2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) { switch (ch)

{

case 1:

t.setTextColor(Color.*RED*); break;

case 2:

t.setTextColor(Color.*GREEN*); break;

case 3:

t.setTextColor(Color.*YELLOW*); break;

case 4:

t.setTextColor(Color.*BLUE*); break;

case 5:

t.setTextColor(Color.*GRAY*); break;

}

ch++;

if (ch==6) ch=1;

}

});

}

}

**RESULT:** Program compiled successfully and output verified.

**OUTPUT:**

