1. Create an Android application that will change color of the screen and change the font size of text view using xml.  
   Ans: -

BGColorChange.java:-

package com.example.a551042;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.RelativeLayout;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class BGColorChange extends AppCompatActivity {

Button btn;

TextView tv;

RelativeLayout rl;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_bgcolor\_change*);

btn = findViewById(R.id.*button*);

tv = findViewById(R.id.*textView*);

rl = findViewById(R.id.*rl*);

btn.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

rl.setBackgroundResource(R.color.*red*);

tv.setTextSize(40);

}

});

}

}

activity\_bgcolor\_Change.xml: -

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

<RelativeLayout android:layout\_height="match\_parent"

xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:id="@+id/rl">

<TextView

android:id="@+id/textView"

android:layout\_width="200dp"

android:layout\_height="50dp"

android:layout\_centerHorizontal="true"

android:layout\_marginTop="150dp"

android:text="@string/hello\_world"

android:textColorHint="#404040"

android:textSize="15sp"

android:textStyle="bold" />

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerVertical="true"

android:layout\_marginTop="150dp"

android:layout\_centerHorizontal="true"

android:text="@string/change" />

</RelativeLayout>