

Ex1: Develop an application that uses GUI components, styles
Java

```
package com.example.ex1;

import android.graphics.Color;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
    Button b1,b2;
    TextView t;
    EditText e;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button) findViewById(R.id.button);
        b2=(Button) findViewById(R.id.button2);
        t=(TextView) findViewById(R.id.textView);
        e=(EditText) findViewById(R.id.editTextTextPersonName);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                t.setTextSize(30);
                e.setTextSize(30);
            }
        });
        b2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                t.setTextColor(Color.YELLOW);
                e.setTextColor(Color.BLACK);
            }
        });
    }
}
```

Xml Code:

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.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">
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
```

```
<TextView
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="TextView" />
```

```
<EditText
    android:id="@+id/editTextTextPersonName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="textPersonName"
    android:text="type your name here" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Change Font Size" />
```

```
<Button
    android:id="@+id/button2"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Change Font Color" />
```

```
</LinearLayout>
</android.support.constraint.ConstraintLayout>
```

