

EX:NO:01

GUI COMPONENTS

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AIM:-

Develop an application to change the font and color of the text and display toast message when the user presses the button.

PROCEDURE:-

Step 1: Design the layout in activity_main.xml file

Step 2: Open styles.xml file and add a new style for toast message.

Step 3: Define function in MainActivity.java to show a custom toast message.

Step 4: Add an OnClickListener to the button and show the toast message.

PROGRAM CODE:-

AndroidManifest.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.textstylechanger">
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
```

```
<activity android:name=".MainActivity">
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
</activity>
</application>
</manifest>
```

activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<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:padding="16dp"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Change my style!"
        android:textSize="24sp"
        android:textColor="@android:color/black"
```

```
        android:layout_centerInParent="true"/>
    <Button
        android:id="@+id/changeStyleButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@id/textView"
        android:layout_centerHorizontal="true"
        android:text="Change Style" />
</RelativeLayout>
```

MainActivity.kt:

```
package com.example.textstylechanger

import android.graphics.Color
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.View
import android.widget.Button
import android.widget.TextView
import android.widget.Toast

class MainActivity : AppCompatActivity() {
    private lateinit var textView: TextView
    private lateinit var changeStyleButton: Button
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
```

```
setContentView(R.layout.activity_main)

textView = findViewById(R.id.textView)

changeStyleButton = findViewById(R.id.changeStyleButton)

changeStyleButton.setOnClickListener {

    changeTextStyle()

}

private fun changeTextStyle() {

    // Change font size

    textView.textSize = 32f // Change this value to adjust font size

    // Change text color

    textView.setTextColor(Color.BLUE) // Change this value to adjust text color

    // Display toast message

    showToast("Text style changed!")

}

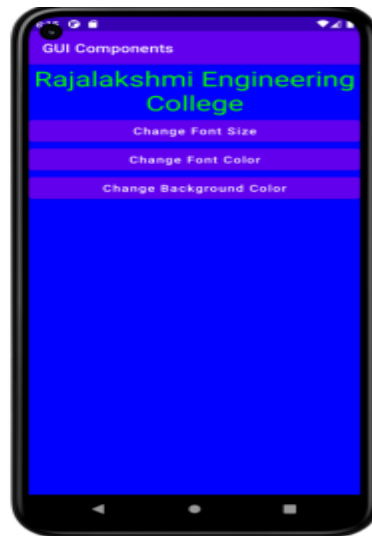
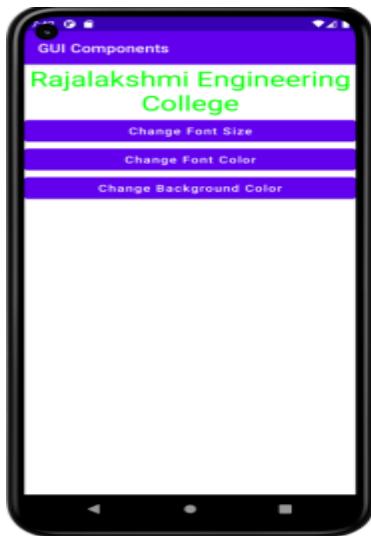
private fun showToast(message: String) {

    Toast.makeText(this, message, Toast.LENGTH_SHORT).show()

}

}
```

OUTPUT:-



RESULT:-

Thus to develop an application to change the font and color of the text and display toast message when the user presses the button is implemented and executed successfully.