DATE:09/02/2024

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
<?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:supportsRtl="true"
    android:theme="@style/AppTheme">
```

```xml
        <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
<?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"
```

```xml
        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:

```kotlin
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)
```

```kotlin
        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()

    }

}
```
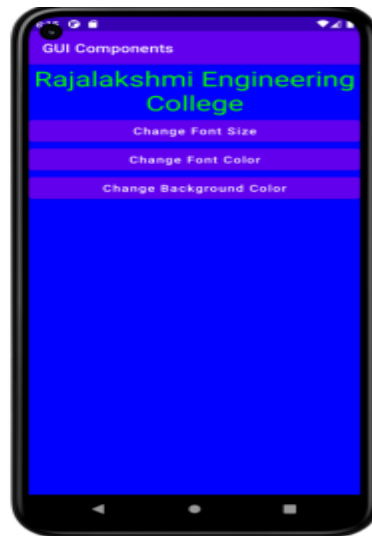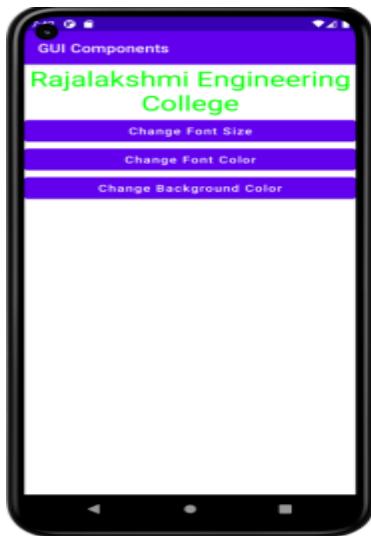
OUTPUT:-

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.