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AIML 'A'

LAB EXPERIMENT : 10

10) Develop an application to change the font and color of the text and display toast message when the user

presses the button.

# AIM:

The aim of this application is to provide a simple interface where users can modify the font and color of a text displayed on the screen. When a button is pressed, the text's font and color will change, and a toast message will notify the user about the change..

# ALGORITHM:

* Create a layout with a TextView for displaying the text, a Button for triggering the action, and an input method for choosing fonts and colors.
* Define various font types and colors for the text.
* Set an OnClickListener for the button to handle the click event.
* When the button is clicked:
  + Change the font and color of the text.
  + Display a toast message notifying the user about the change.
* Ensure the application is user-friendly and responsive.

# SOURCE CODE:

// MainActivity.java

package com.example.textchanger;

import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.TextView;

import android.widget.Toast;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

private TextView textView; private Button changeTextButton;

@Override

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

// Initialize TextView and Button textView = findViewById(R.id.textView);

changeTextButton = findViewById(R.id.changeTextButton);

// Set default text

textView.setText("Hello, change my font and color!");

// Button OnClickListener changeTextButton.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

// Change text font textView.setTypeface(getResources().getFont(R.font.roboto));

// Change text color textView.setTextColor(getResources().getColor(R.color.teal\_700));

// Display toast message

Toast.makeText(MainActivity.this, "Text font and color changed!", Toast.LENGTH\_SHORT).show();

}

});

}

}

# RESULT:

* The initial text will be displayed with the default font and color.
* Upon pressing the "Change Text" button, the text will change to the new font and color.
* A toast message will appear saying "Text font and color changed!"

OUTPUT:

