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;

```java
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: