# WEB TECHNOLOGY MOBILE APPLICATION

231501067 AIML FA LAB EXPERIMENT : 10

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

Aim

To develop an Android application that:

Changes the font and color of a TextView.

Displays a Toast message when the user clicks a button.

# Algorithm

### Design UI (XML Layout):

Add a TextView to display the text.

Add a Button to trigger the font and color change.

# Set up activity (Java or Kotlin):

Access the TextView and Button using findViewById().

Set a click listener on the button.

On button click:

Change the text color and font.

Display a Toast message.

Add a font to the assets folder (e.g., fonts/custom\_font.ttf).

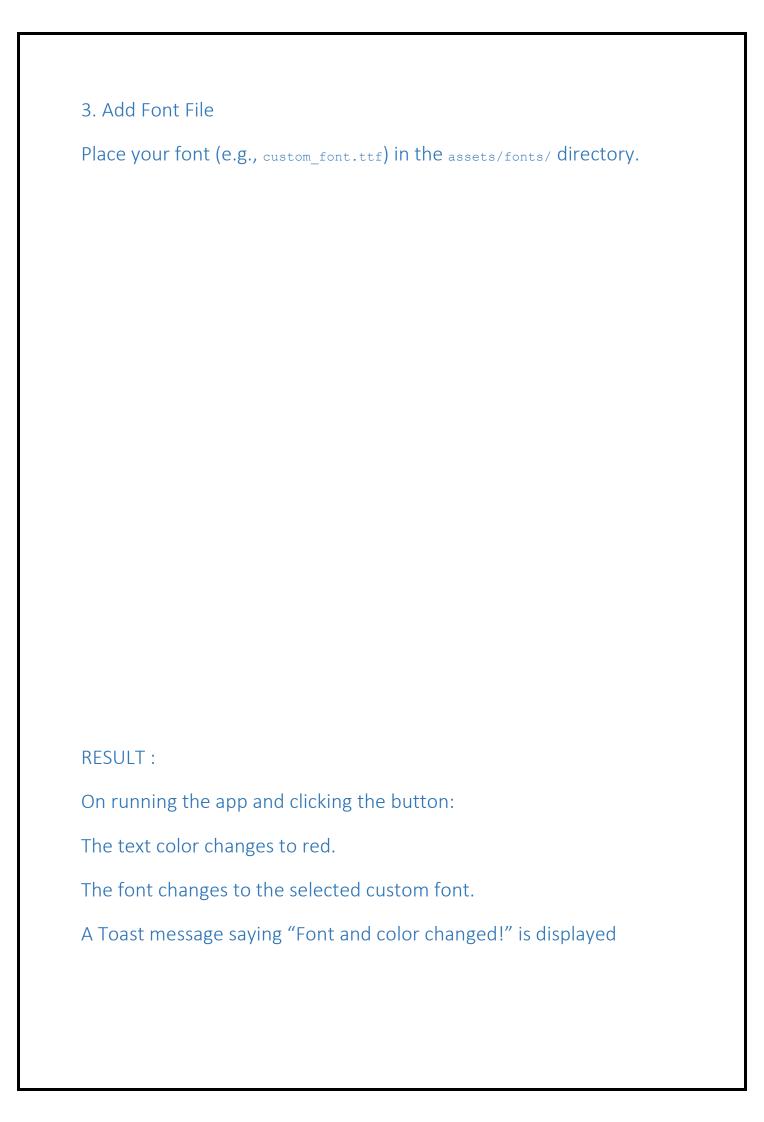
### Program Code:

1. activity\_main.xml
Xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
  xmlns:android="http://schemas.android.com/apk/res/android"
  android:orientation="vertical"
  android:layout width="match parent"
  android:layout height="match parent"
  android:gravity="center"
  android:padding="16dp">
  <TextView
    android:id="@+id/textView"
    android:text="Hello World"
    android:textSize="24sp"
    android:layout width="wrap content"
    android:layout_height="wrap_content"/>
  <Button
    android:id="@+id/buttonChange"
    android:text="Change Font and Color"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
```

```
android:layout_marginTop="20dp"/>
</LinearLayout>
2. MainActivity.java
package com.example.textchanger;
import android.graphics.Color;
import android.graphics.Typeface;
import android.os.Bundle;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
 TextView textView;
  Button buttonChange;
  @Override
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    textView = findViewById(R.id.textView);
    buttonChange = findViewById(R.id.buttonChange);
    buttonChange.setOnClickListener(v -> {
      // Change color
      textView.setTextColor(Color.RED);
      // Change font
      Typeface typeface = Typeface.createFromAsset(getAssets(),
"fonts/custom_font.ttf");
      textView.setTypeface(typeface);
      // Show toast
      Toast.makeText(this, "Font and color changed!",
Toast.LENGTH SHORT).show();
    });
```



# OUTPUT: Great job! The server configuration changed. X The configuration changed. Reload Server X