# EXP 10      FONT COLOUR CHANGER

## 🎯 AIM

To develop an Android application that **changes the font and color of a TextView** and shows a **toast message** when the user clicks a button.

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## ☐ ALGORITHM

1. Start the app.
2. Show a TextView with default text.
3. Display a Button: `Change Style`.
4. When the button is clicked:
   - Change the font style (bold/italic/custom).
   - Change the text color (to a vibrant color).
   - Show a Toast: `"Style Changed!"`
5. End.

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## ☎ CODE

### ✓ **MainActivity.kt**

```kotlin
package com.example.textstyler

import android.graphics.Color
import android.graphics.Typeface
import android.os.Bundle
import android.widget.*
import androidx.appcompat.app.AppCompatActivity
import kotlin.random.Random

class MainActivity : AppCompatActivity() {
    lateinit var myText: TextView
    lateinit var styleButton: Button

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        myText = findViewById(R.id.myText)
        styleButton = findViewById(R.id.styleButton)

        val colors = listOf("#800080", "#000000", "#0000FF", "#A52A2A", "#FF0000")

        styleButton.setOnClickListener {
```

```kotlin
            val randomColor = colors[Random.nextInt(colors.size)]
            myText.setTextColor(Color.parseColor(randomColor))
            myText.setTypeface(null, Typeface.BOLD_ITALIC)
            myText.textSize = 24F
            Toast.makeText(this, "Style Changed!", Toast.LENGTH_SHORT).show()
        }
    }
}
```

🎨 **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:gravity="center"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#F5F5F5"
    android:padding="24dp">

    <TextView
        android:id="@+id/myText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Welcome to My App!"
        android:textSize="20sp"
        android:textColor="#333333"
        android:padding="16dp" />

    <Button
        android:id="@+id/styleButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Change Style"
        android:textColor="#FFFFFF"
        android:backgroundTint="#757575"
        android:layout_marginTop="20dp"
        android:padding="10dp"/>
</LinearLayout>
```
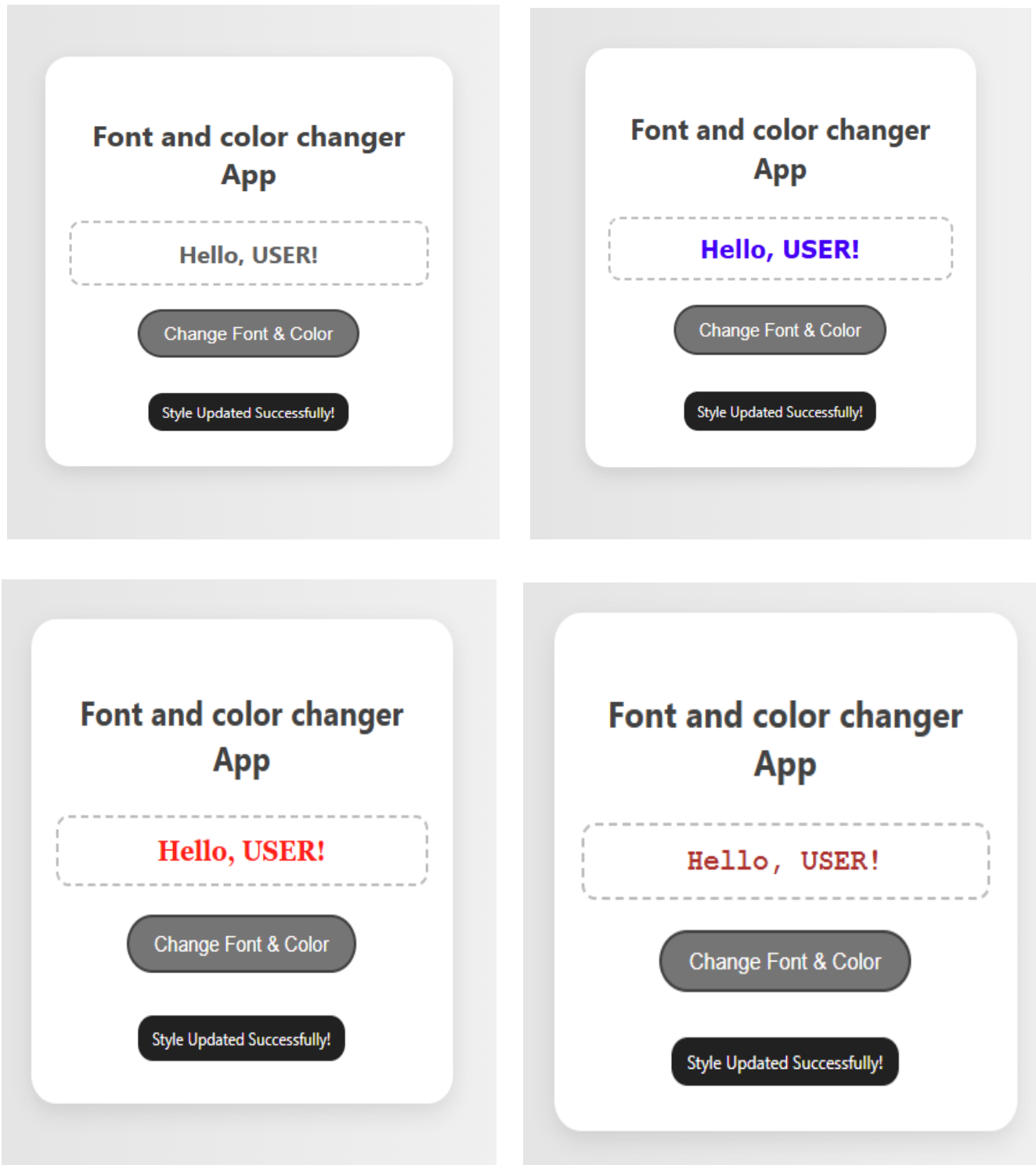
**OUTPUT:**



✅ **RESULT**

- When the app runs, a `TextView` displays the message.
- Pressing the **Change Style** button:
  - Changes the **text color to pink**, makes it **bold italic**, and increases the size.