

## 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 CopyEdit
package com.example.textstyler
import android.graphics.Color
import android.graphics.Typeface
import android.os.Bundle import
android.widget.*
import androidx.appcompat.app.AppCompatActivity

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)

        styleButton.setOnClickListener {
myText.setTextColor(Color.parseColor("#E91E63")) // Vibrant
pink
```

```
        myText.setTypeface(null, Typeface.BOLD_ITALIC)
        myText.setTextSize = 24F
        Toast.makeText(this, "Style Changed!",
Toast.LENGTH_SHORT).show()
    }
}
```

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#### **activity\_main.xml**

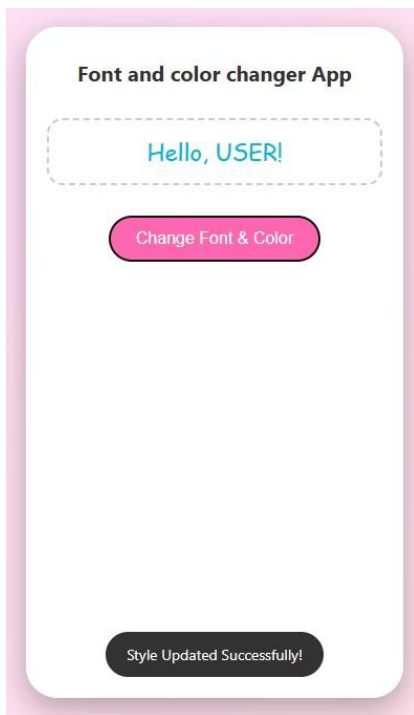
```
xml CopyEdit
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"    android:gravity="center"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#FFF8E1"    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="#333"    android:padding="16dp"
    />

    <Button
        android:id="@+id/styleButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Change Style"    android:textColor="#fff"
        android:backgroundTint="#F48FB1"
        android:layout_marginTop="20dp"
        android:padding="10dp"/>
</LinearLayout>
```

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## **OUTPUT:**



## RESULT

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