

EXP NO: 10

Custom Text Styler with Toast Notification in Android

AIM:

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

CODE:

MainActivity.kt

```
package com.example.myapplication_gaurav_38
```

```
import android.graphics.Color
import android.os.Bundle
import android.widget.Button
import android.widget.TextView
import android.widget.Toast
import androidx.activity.enableEdgeToEdge
import androidx.appcompat.app.AppCompatActivity
import androidx.core.view.ViewCompat
import androidx.core.view.WindowInsetsCompat
```

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        enableEdgeToEdge()
        setContentView(R.layout.activity_main)
        var txt:TextView=findViewById(R.id.textView)
        var btn:Button=findViewById(R.id.button)

        var count=0
        btn.setOnClickListener {
            count++
            txt.text=count.toString()
            txt.setTextColor(Color.RED)
            txt.setBackgroundColor(Color.BLACK)
            Toast.makeText(this,"Color Change and font",Toast.LENGTH_LONG).show()
            txt.textSize=18f
        }

    }
}
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
```

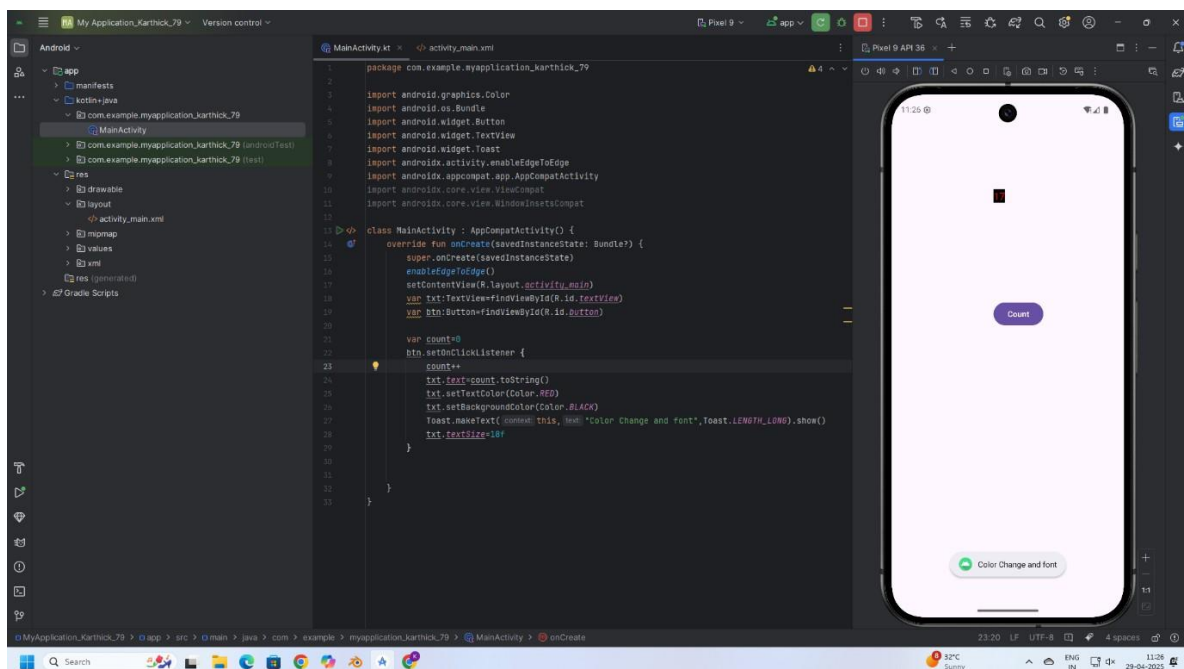
```
android:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
```

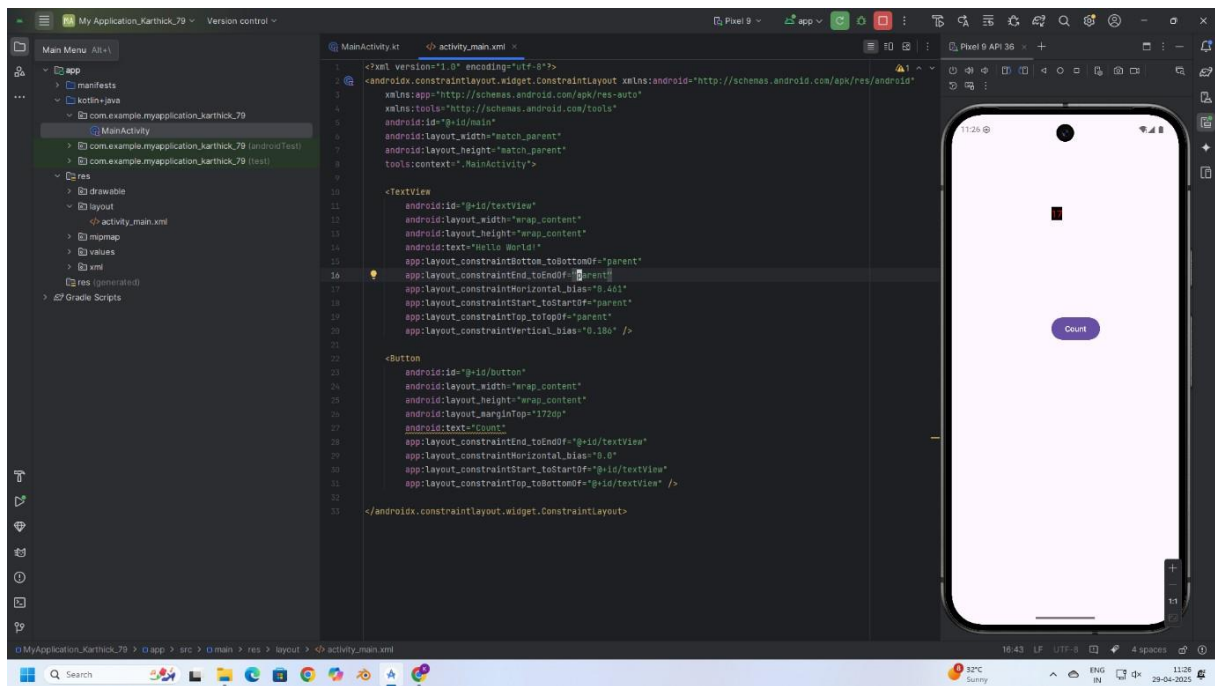
```
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello World!"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.461"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.186" />
```

```
<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="172dp"
    android:text="Count"
    app:layout_constraintEnd_toEndOf="@+id/textView"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="@+id/textView"
    app:layout_constraintTop_toBottomOf="@+id/textView" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT:





RESULT:

Thus, text customization and user interaction were successfully implemented by changing font and color, and displaying a Toast message on button click in the application.