Kotlin Android – TextView – Basic Example

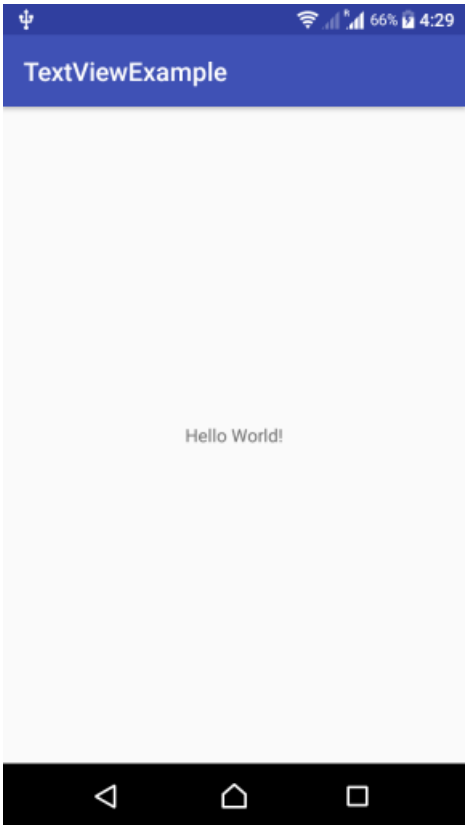
Android TextView

Android TextView is an user interface element that helps to display text in an activity.

In this tutorial, we will learn how to display TextView in a layout, and different properties of TextView.

Android TextView Example

Create an Android Application, named TextViewExample, with empty activity and just run the Android Application.



“Hello World!” being displayed at the center of the Activity is a TextView.

Example – Android TextView

Create an Android Application with Kotlin Support and find the code for activity_main.xml layout file and MainActivity.kt provided below.

Open activity_main.xml (layout for the MainActivity.kt) file and paste the following code.

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</android.support.constraint.ConstraintLayout>
```

MainActivity.kt

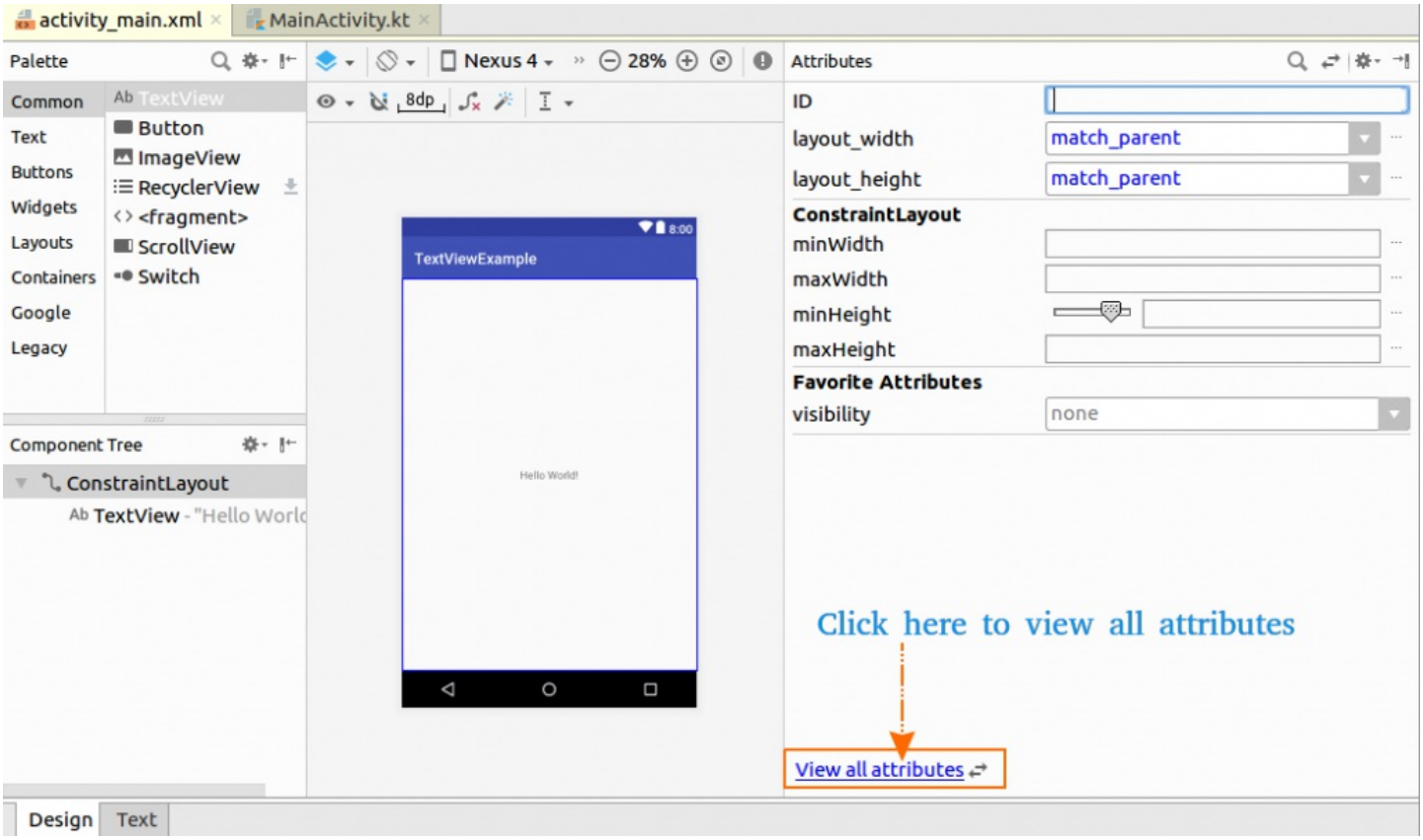
```
package com.tutorialkart.webviewexample

import android.support.v7.app.AppCompatActivity
import android.os.Bundle
import kotlinx.android.synthetic.main.activity_main.*

class MainActivity : AppCompatActivity() {

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

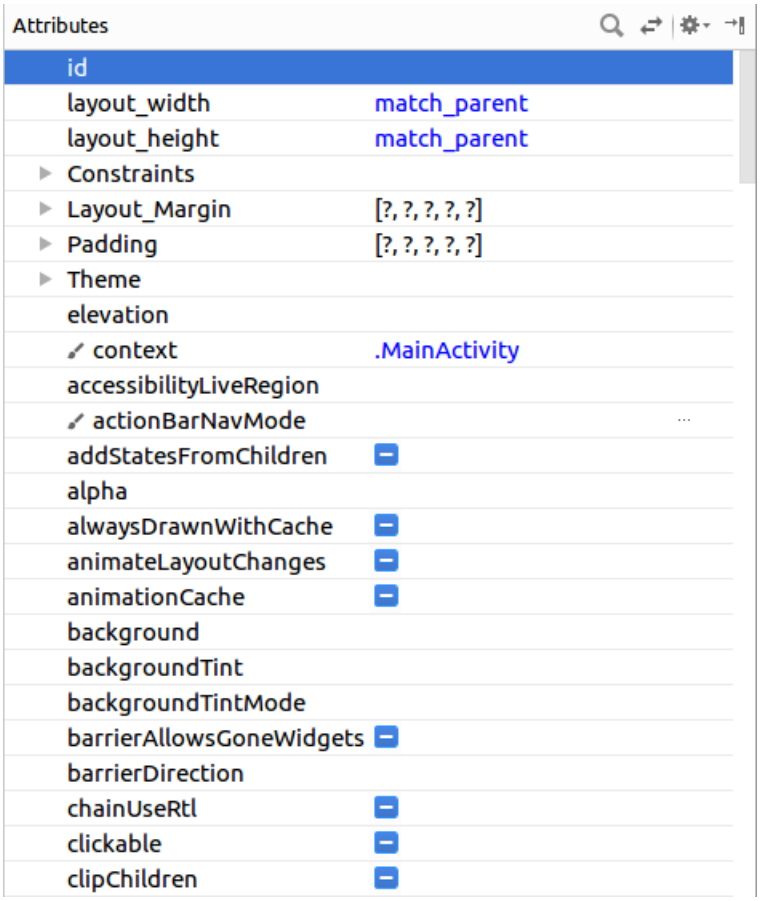
Android TextView Properties

TextView has many properties which determine how it is displayed in the Activity. In the above TextView, following properties are provided.

- layout_width : wrap_content – Width of TextView is wrapped to width of the content
- layout_height : wrap_content – Height of TextView is wrapped to height of the content
- text : “Hello World!” – is the text that should be displayed in the Activity for TextView

You can explore other properties of TextView by opening activity_layout.xml file in Design mode. Click on View all attributes as shown below :





You can scroll down and find all the properties that are supported for TextView.

Conclusion

In this Kotlin Android Tutorial, we learned how to display a TextView in Layout, with the help of example, and different properties available for TextView widget.

Getting Started with Android

- Kotlin Android Tutorial
- Create Android Application with Kotlin Support
- Walk Through Android Studio
- Convert Java Files to Kotlin Files
- Kotlin vs Java
- Use Java 8 in Android
- Add External Jar to Android Dependencies

Android TextView

- Android TextView
- Android TextView - Basic Example
- Android TextView - Create programmatically
- Android TextView - OnClickListener
- Android TextView - Justify Text
- Android TextView - Italic
- Android TextView - Bold

Android Button

- Android - New Button programmatically
- Android Button - OnClickListener
- Android Button - Disable All Caps
- Android Button - Custom Background
- Android Button - Change background programatically

Android Toast

- Android Toast - Example

Android EditText

- Android EditText - Create programmatically
- Android EditText - On Text Change - Listener
- Android TextInputLayout - Floating Label in EditText
- Android EditText - Keyboard with only Numbers
- Android EditText - Show/Hide Password

Android ImageView

- Android ImageView - OnClickListener

Android Radio Buttons

- Android RadioGroup - RadioButtons Create programmatically

Android SeekBar

- Android SeekBar - Example
- Android SeekBar Set Custom Range

Android Intent

- Android - Start Another Activity
- Android - Open URL in Browser Activity

Android AlertDialog

- Android AlertDialog - Example

Android WebView

- Android WebView - Example

Android ProgressBar

- Kotlin Android - Inderterminate ProgressBar

Android Snackbar

- Android Snackbar - Example
- Android Snackbar - Set Action
- Android Snackbar - Change Text Color, Background Color

Android ListView

- Android ListView Example
- Android Refresh ListView

Android Device Parameters

- Android Get Screen Width and Height Programatically

Android Canvas

- Draw Rect / Oval to Canvas
- Android Draw Circle Border
- Android Draw SVG to Canvas

Android Programming - Other

- Android - Access View Programmatically using findViewById
- Android runOnUiThread

Android Game Development

- Android Game Development

- Detect Collisions between two Sprites (Bitmaps)

Android Text To Speech

- Android Text To Speech - Kotlin Example

Fix Errors

- Android - Minimum supported Gradle version
- Android - All support libraries must use the exact same version specification

Example Applications

- Android - Login Form
- Android - Color Picker
- Kotlin Android Game Development

Kotlin - Java

- Kotlin Tutorial

Useful Resources

- How to Learn Programming