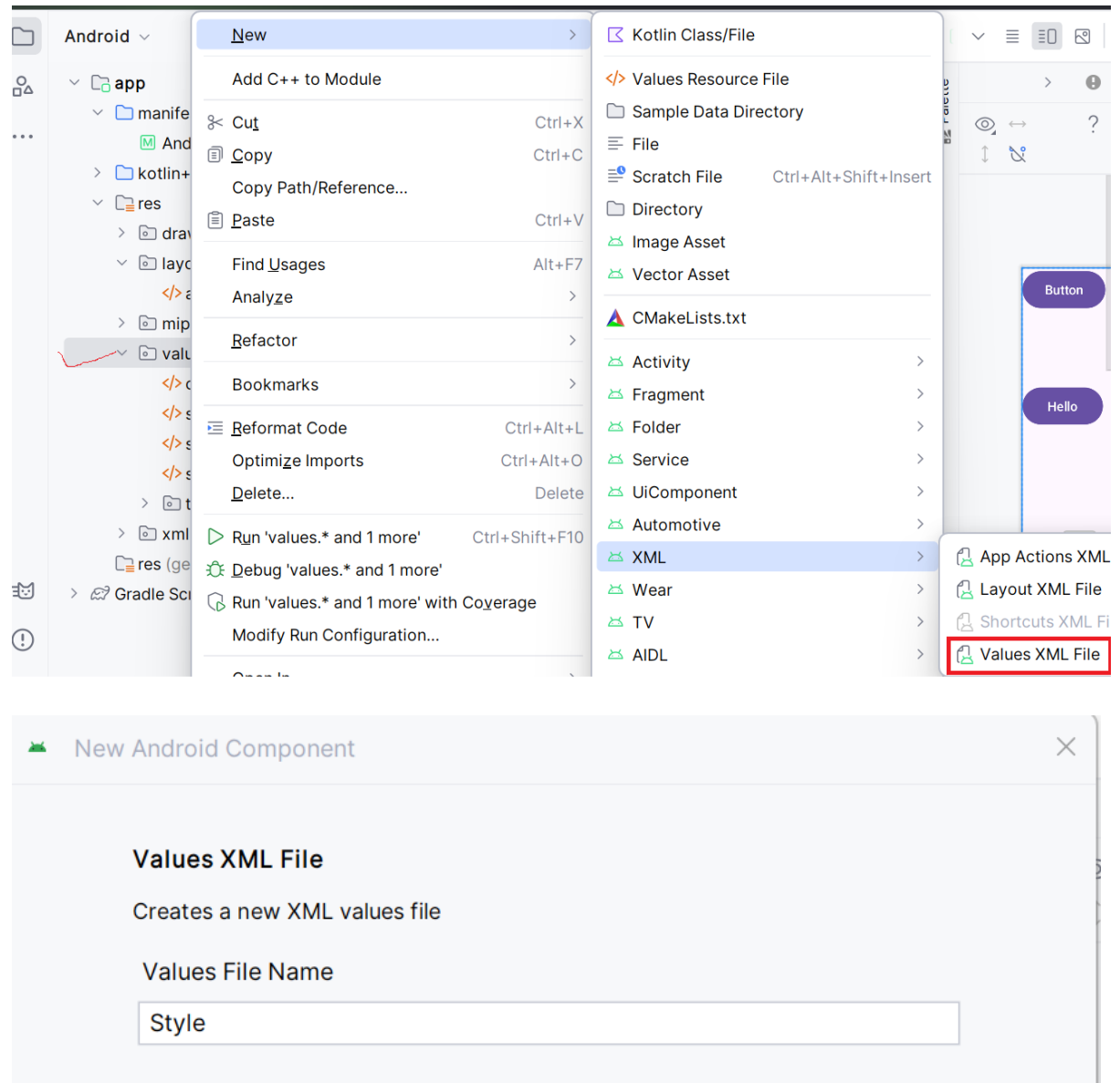


## Practical 6

### Create an Android application to use Theme and Style.

Define the style in res/values/styles.xml:



### styles.xml

```
<resources>
  <style name="MyButtonStyle" parent="Widget.AppCompat.Button">
    <item name="android:textColor">#FFFFFF</item>
    <item name="android:background">#FF5722</item>
    <item name="android:textSize">18sp</item>
  </style>
</resources>
```

## activity\_main.xml

```
<Button
    android:id="@+id/myButton"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Click me"
    style="@style/MyButtonStyle" />
```

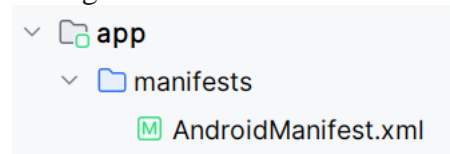
## Themes

Define the style in res/values/styles1.xml:

## styles1.xml:

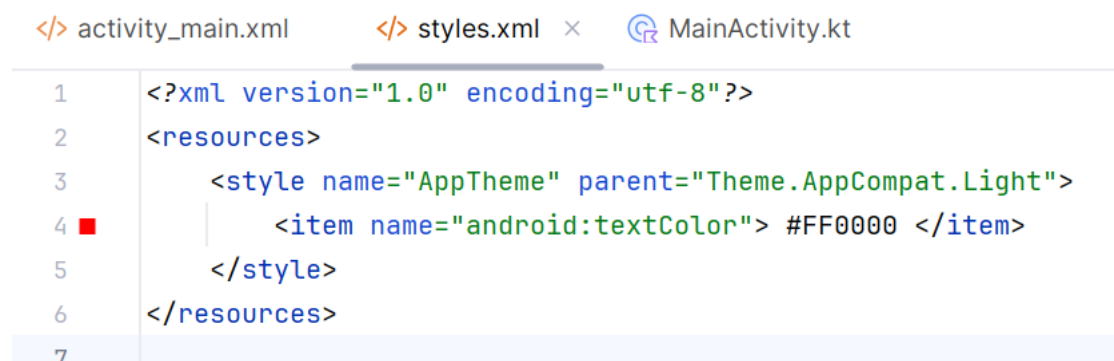
```
<resources>
    <style name="AppTheme" parent="Theme.AppCompat.Light">
        <item name="colorPrimary">#3F51B5</item>
        <item name="colorPrimaryDark">#303F9F</item>
        <item name="colorAccent">#FF4081</item>
    </style>
</resources>
```

Now go to **AndroidManifest.xml**



**Apply the theme to your application in AndroidManifest.xml:**

```
<application
    android:theme="@style/AppTheme"
    ...>
    ...
</application>
```



```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="127dp"
        android:text="Hello" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button" />

</RelativeLayout>

```

---

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="Demo2"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme"
        tools:targetApi="31">
        <activity

```

---

No change in **MainActivity.kt**

```
activity_main.xml  styles.xml  MainActivity.kt x
1      package com.example.demo2
2
3      > import ...
13
14
15  class MainActivity : AppCompatActivity() {
16      override fun onCreate(savedInstanceState: Bundle?) {
17          super.onCreate(savedInstanceState)
18          enableEdgeToEdge()
19          setContentView(R.layout.activity_main)
20          // Initialize UI elements
21      }
22  }
23
```

## OUTPUT

