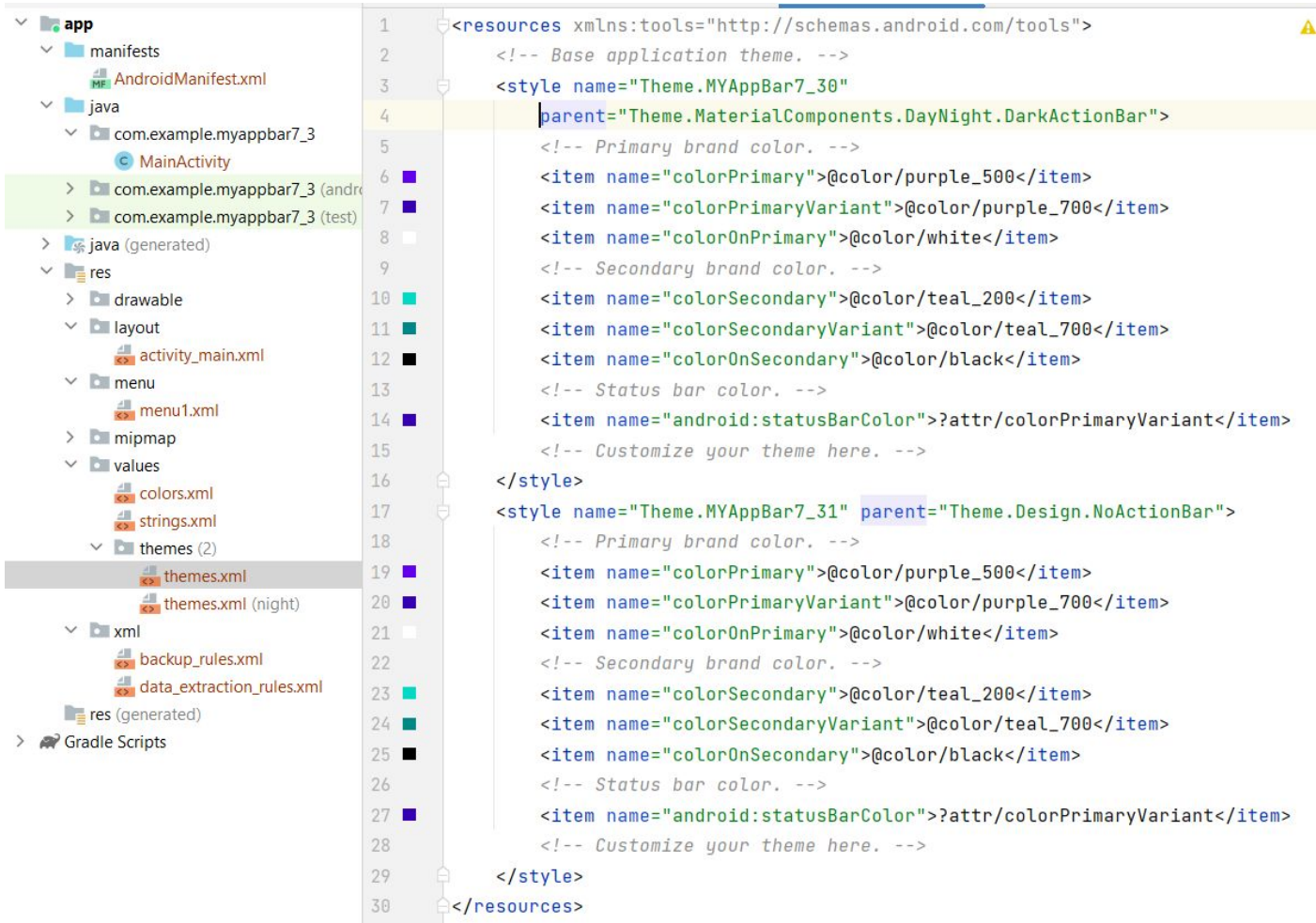


Leitura - 7-D

AppBar7_3, @style, apk, menu

Paulo Vieira

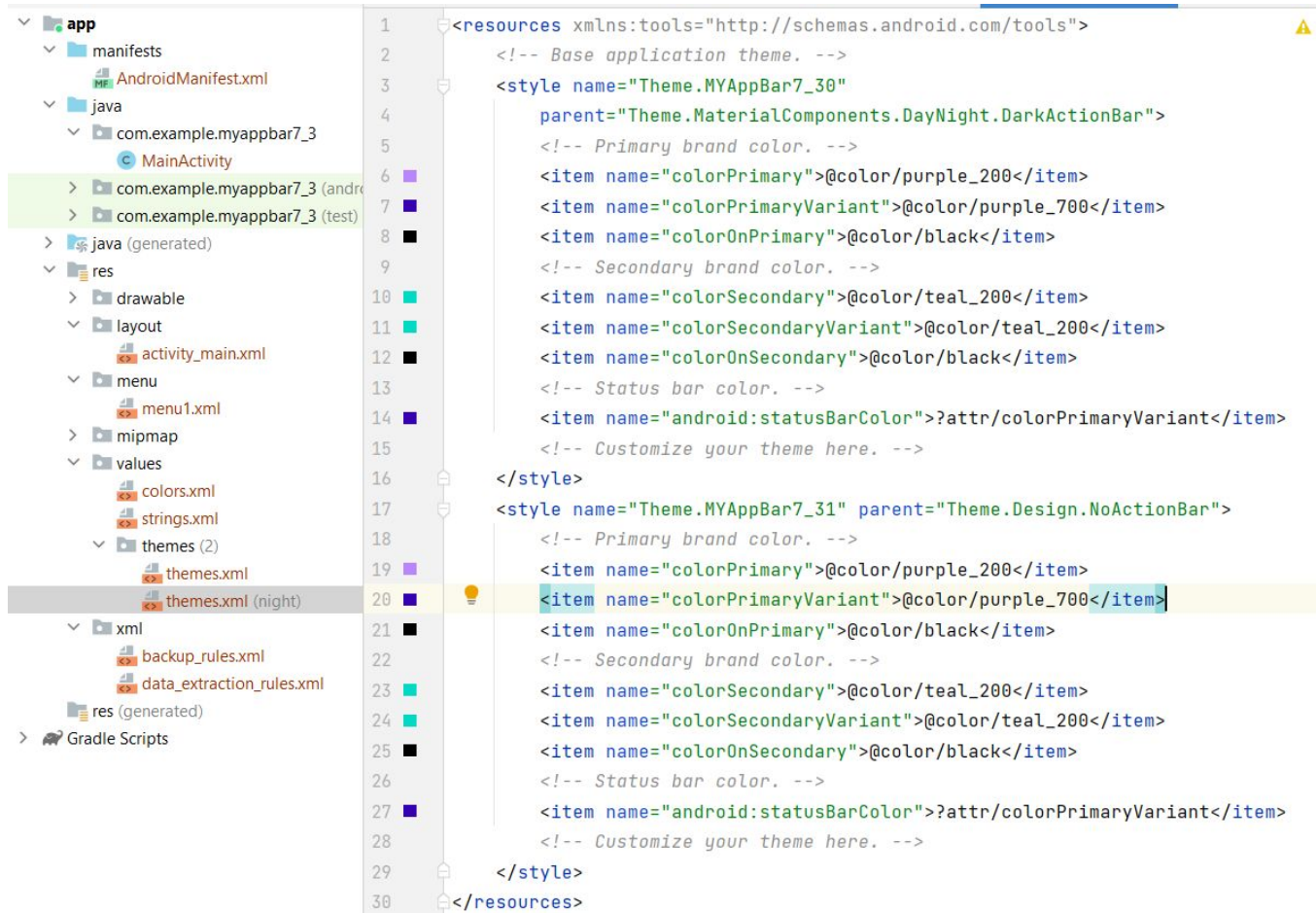
@style.xml



The screenshot displays the Android Studio interface. On the left, the 'Project' view shows the file structure of an Android application. The 'app' directory is expanded, revealing subfolders for 'manifests', 'java', 'res', and 'xml'. The 'res' folder is further expanded, showing 'drawable', 'layout', 'menu', 'mipmap', 'values', and 'themes'. The 'themes' folder is selected, and the 'themes.xml' file is highlighted. On the right, the 'Editor' view shows the content of the selected file, which is an XML file defining styles. The XML code is as follows:

```
1 <resources xmlns:tools="http://schemas.android.com/tools">
2     <!-- Base application theme. -->
3     <style name="Theme.MYAppBar7_30"
4         parent="Theme.MaterialComponents.DayNight.DarkActionBar">
5         <!-- Primary brand color. -->
6         <item name="colorPrimary">@color/purple_500</item>
7         <item name="colorPrimaryVariant">@color/purple_700</item>
8         <item name="colorOnPrimary">@color/white</item>
9         <!-- Secondary brand color. -->
10        <item name="colorSecondary">@color/teal_200</item>
11        <item name="colorSecondaryVariant">@color/teal_700</item>
12        <item name="colorOnSecondary">@color/black</item>
13        <!-- Status bar color. -->
14        <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>
15        <!-- Customize your theme here. -->
16    </style>
17    <style name="Theme.MYAppBar7_31" parent="Theme.Design.NoActionBar">
18        <!-- Primary brand color. -->
19        <item name="colorPrimary">@color/purple_500</item>
20        <item name="colorPrimaryVariant">@color/purple_700</item>
21        <item name="colorOnPrimary">@color/white</item>
22        <!-- Secondary brand color. -->
23        <item name="colorSecondary">@color/teal_200</item>
24        <item name="colorSecondaryVariant">@color/teal_700</item>
25        <item name="colorOnSecondary">@color/black</item>
26        <!-- Status bar color. -->
27        <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>
28        <!-- Customize your theme here. -->
29    </style>
30 </resources>
```

@style.xml (night)

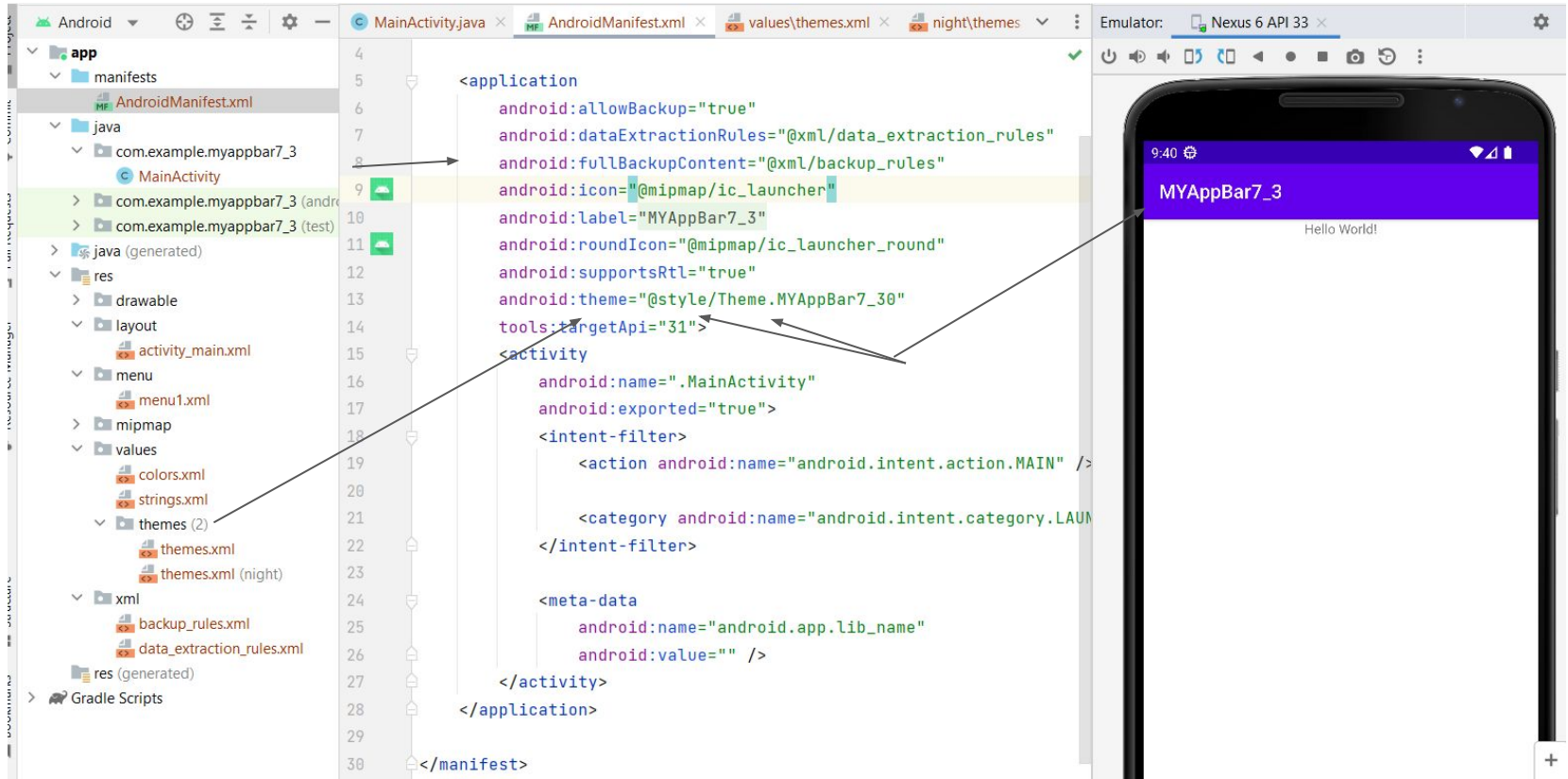


The screenshot displays the Android Studio interface. On the left, the 'Project' view shows the file structure of an Android application. The 'app' directory is expanded, showing 'manifests' (containing 'AndroidManifest.xml'), 'java' (containing 'com.example.myapplication7_3' and 'MainActivity'), 'res' (containing 'drawable', 'layout', 'menu', 'mipmap', 'values', and 'themes (2)'), and 'Gradle Scripts'. The 'themes (2)' folder is expanded, showing 'themes.xml' and 'themes.xml (night)'. The 'themes.xml (night)' file is selected and highlighted in grey.

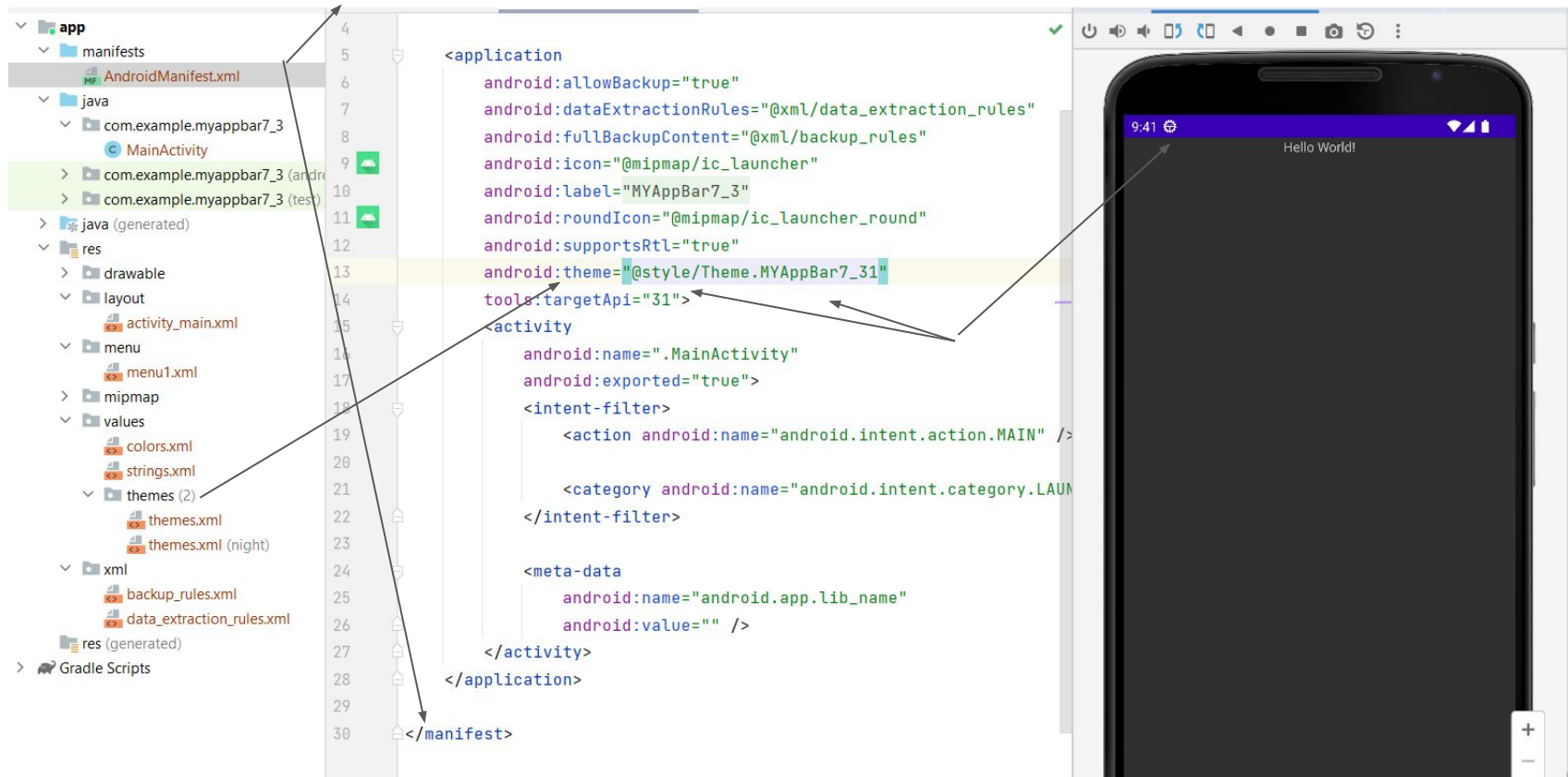
On the right, the 'Editor' view shows the content of the '@style.xml' file. The file is a resource file for the 'night' theme. It contains two style definitions: 'Theme.MYAppBar7_30' and 'Theme.MYAppBar7_31'. The 'Theme.MYAppBar7_30' style is a 'parent="Theme.MaterialComponents.DayNight.DarkActionBar"' style. It defines colors for 'colorPrimary' (purple_200), 'colorPrimaryVariant' (purple_700), 'colorOnPrimary' (black), 'colorSecondary' (teal_200), 'colorSecondaryVariant' (teal_200), 'colorOnSecondary' (black), and 'android:statusBarColor' (attr/colorPrimaryVariant). The 'Theme.MYAppBar7_31' style is a 'parent="Theme.Design.NoActionBar"' style. It defines colors for 'colorPrimary' (purple_200), 'colorPrimaryVariant' (purple_700), 'colorOnPrimary' (black), 'colorSecondary' (teal_200), 'colorSecondaryVariant' (teal_200), 'colorOnSecondary' (black), and 'android:statusBarColor' (attr/colorPrimaryVariant). The 'colorPrimaryVariant' line in the 'Theme.MYAppBar7_31' style is highlighted in yellow.

```
1 <resources xmlns:tools="http://schemas.android.com/tools">
2     <!-- Base application theme. -->
3     <style name="Theme.MYAppBar7_30"
4         parent="Theme.MaterialComponents.DayNight.DarkActionBar">
5         <!-- Primary brand color. -->
6         <item name="colorPrimary">@color/purple_200</item>
7         <item name="colorPrimaryVariant">@color/purple_700</item>
8         <item name="colorOnPrimary">@color/black</item>
9         <!-- Secondary brand color. -->
10        <item name="colorSecondary">@color/teal_200</item>
11        <item name="colorSecondaryVariant">@color/teal_200</item>
12        <item name="colorOnSecondary">@color/black</item>
13        <!-- Status bar color. -->
14        <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>
15        <!-- Customize your theme here. -->
16    </style>
17    <style name="Theme.MYAppBar7_31" parent="Theme.Design.NoActionBar">
18        <!-- Primary brand color. -->
19        <item name="colorPrimary">@color/purple_200</item>
20        <item name="colorPrimaryVariant">@color/purple_700</item>
21        <item name="colorOnPrimary">@color/black</item>
22        <!-- Secondary brand color. -->
23        <item name="colorSecondary">@color/teal_200</item>
24        <item name="colorSecondaryVariant">@color/teal_200</item>
25        <item name="colorOnSecondary">@color/black</item>
26        <!-- Status bar color. -->
27        <item name="android:statusBarColor">?attr/colorPrimaryVariant</item>
28        <!-- Customize your theme here. -->
29    </style>
30 </resources>
```

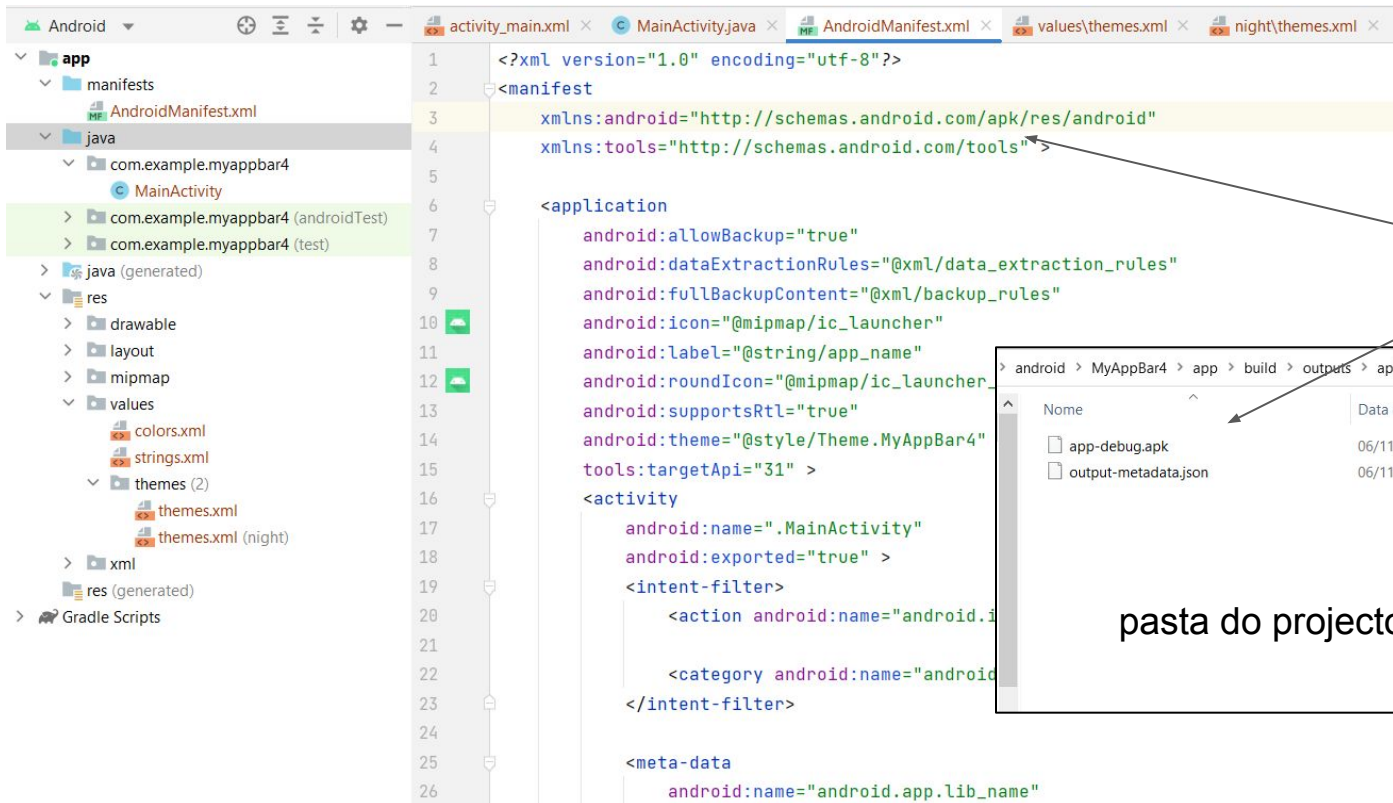
@style/Theme.MyAppBar7_3



@style/Theme.MyAppBar7_3



apk-instalador do android



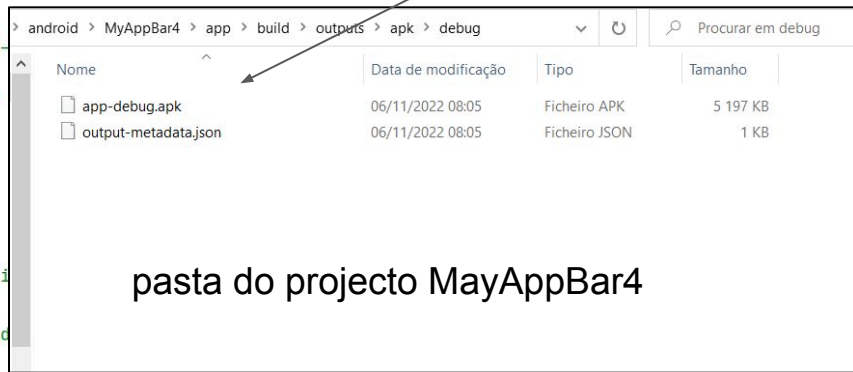
```
<?xml version="1.0" encoding="utf-8"?>
<manifest
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.MyAppBar4"
        tools:targetApi="31" >

        <activity
            android:name=".MainActivity"
            android:exported="true" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>

            <meta-data
                android:name="android.app.lib_name"
                android:value="" />
        </activity>
    </application>
</manifest>
```

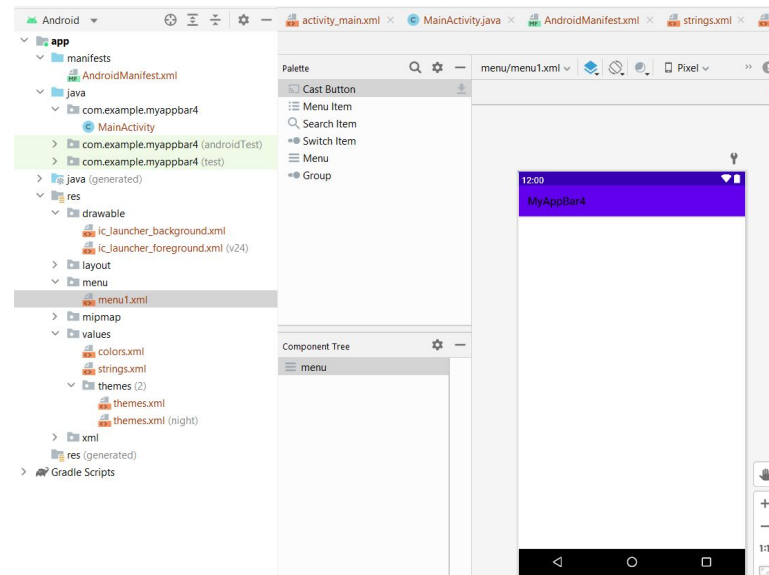
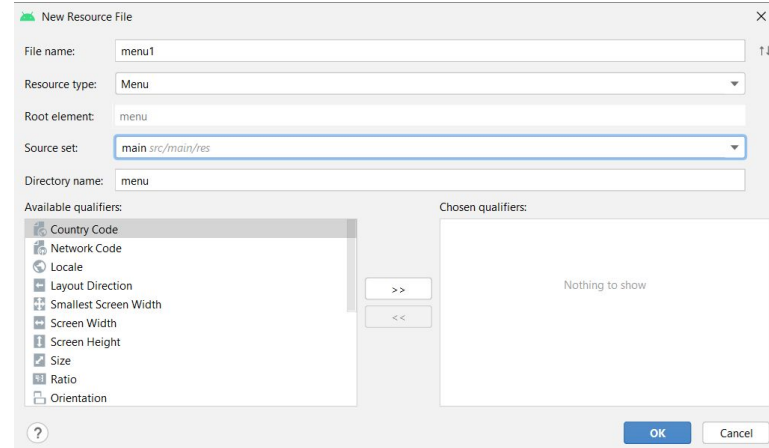
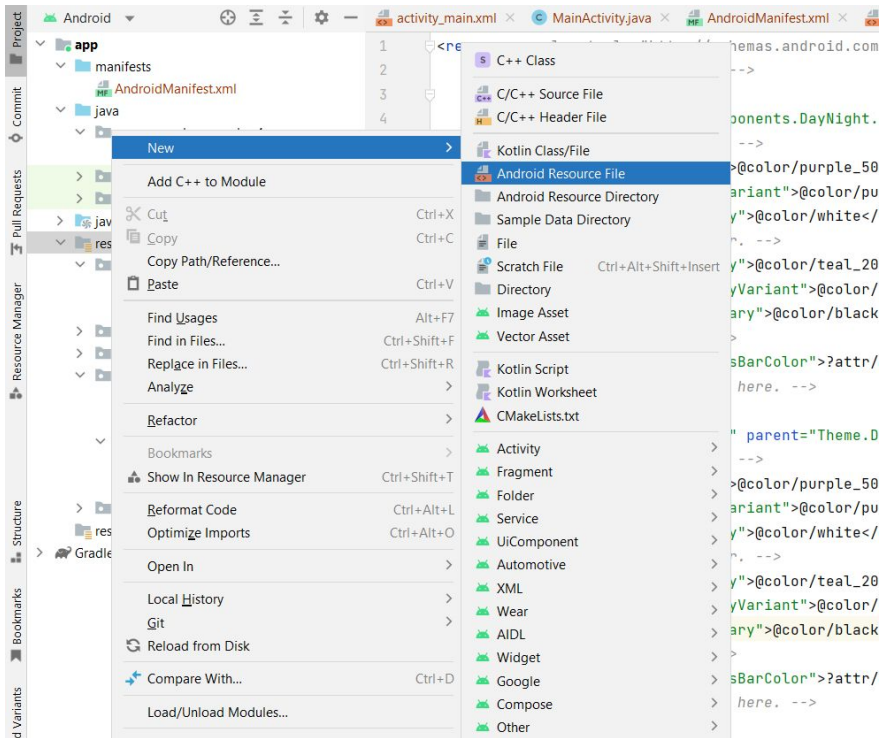
o apk é o ficheiro de instalação da app



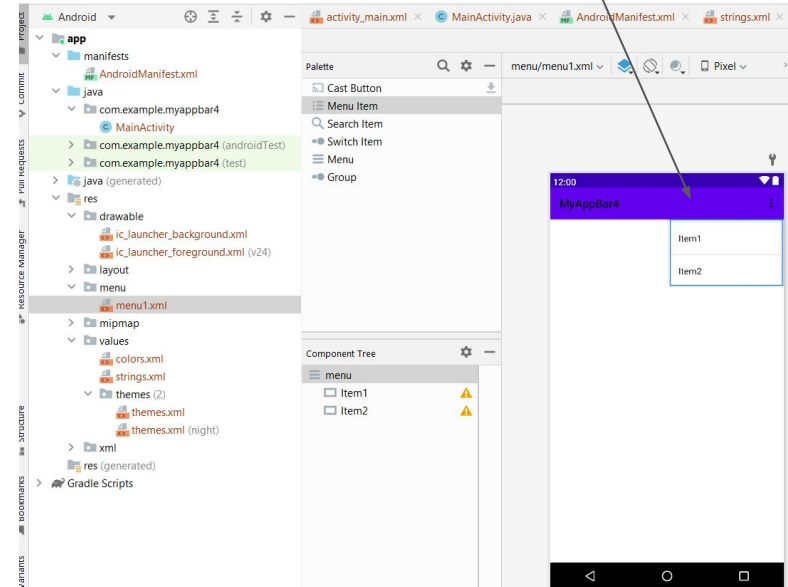
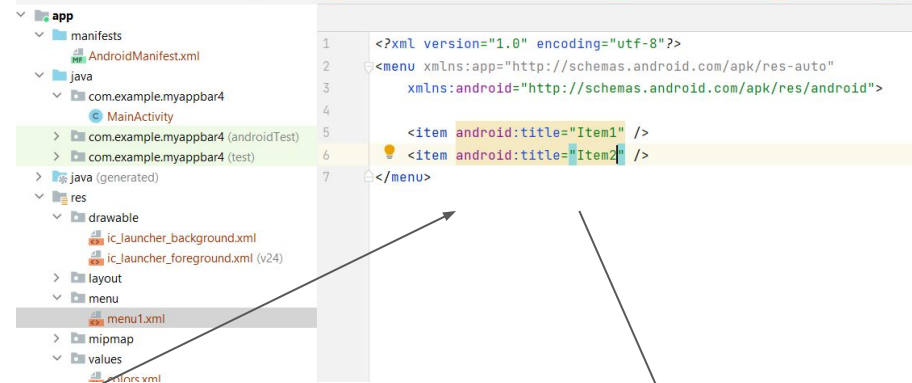
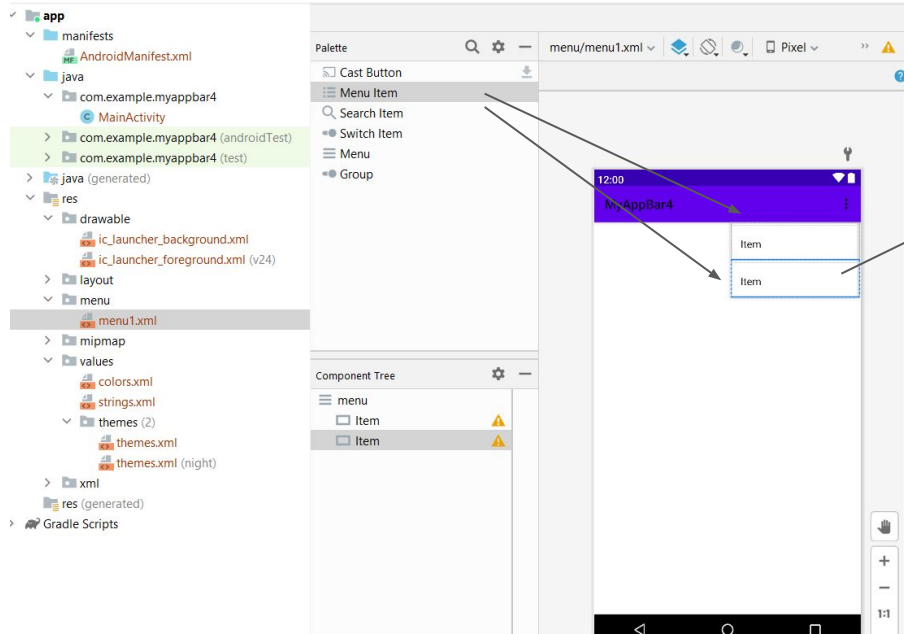
Nome	Data de modificação	Tipo	Tamanho
<input type="checkbox"/> app-debug.apk	06/11/2022 08:05	Ficheiro APK	5 197 KB
<input type="checkbox"/> output-metadata.json	06/11/2022 08:05	Ficheiro JSON	1 KB

pasta do projecto MayAppBar4

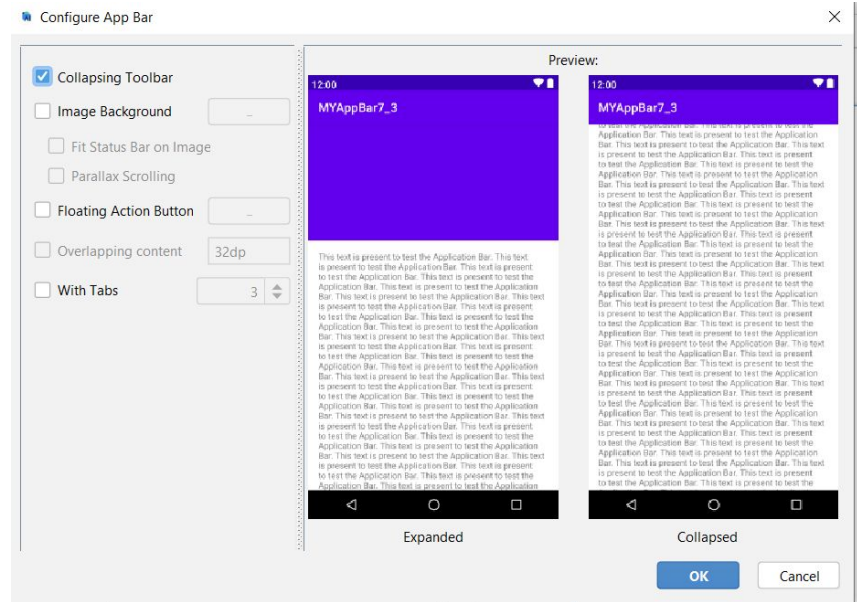
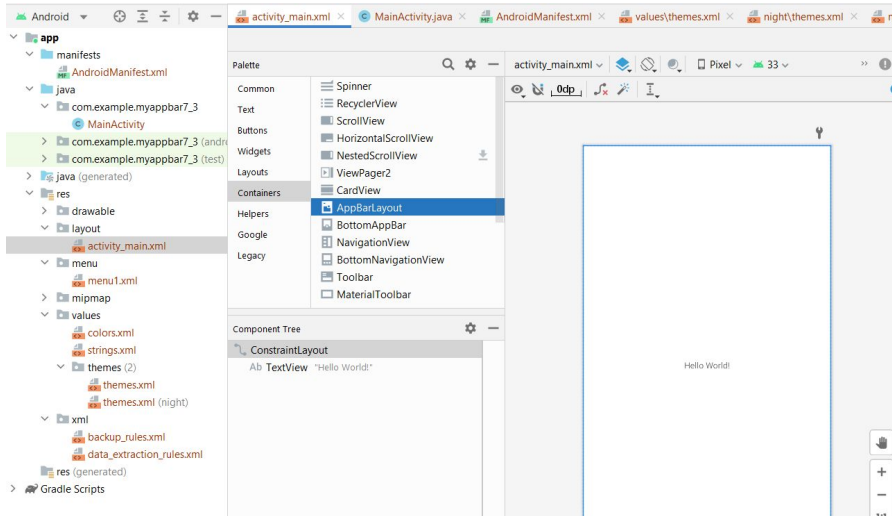
criar menu



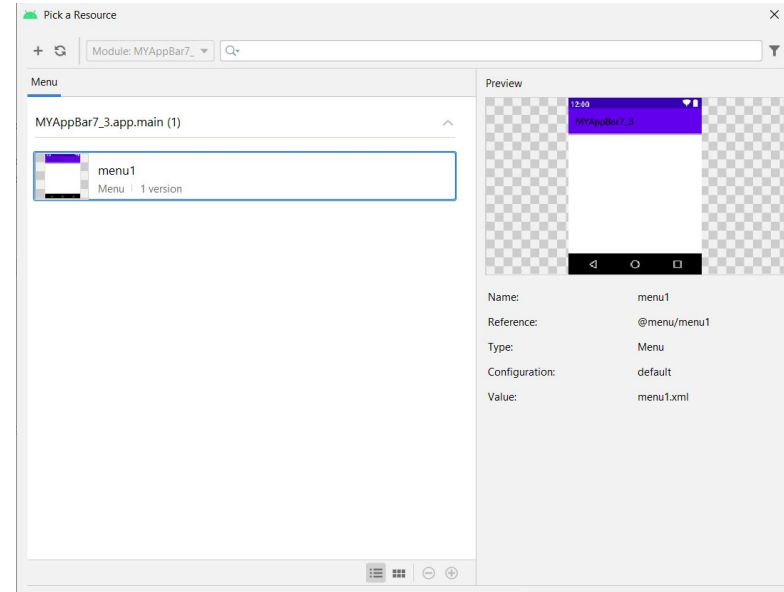
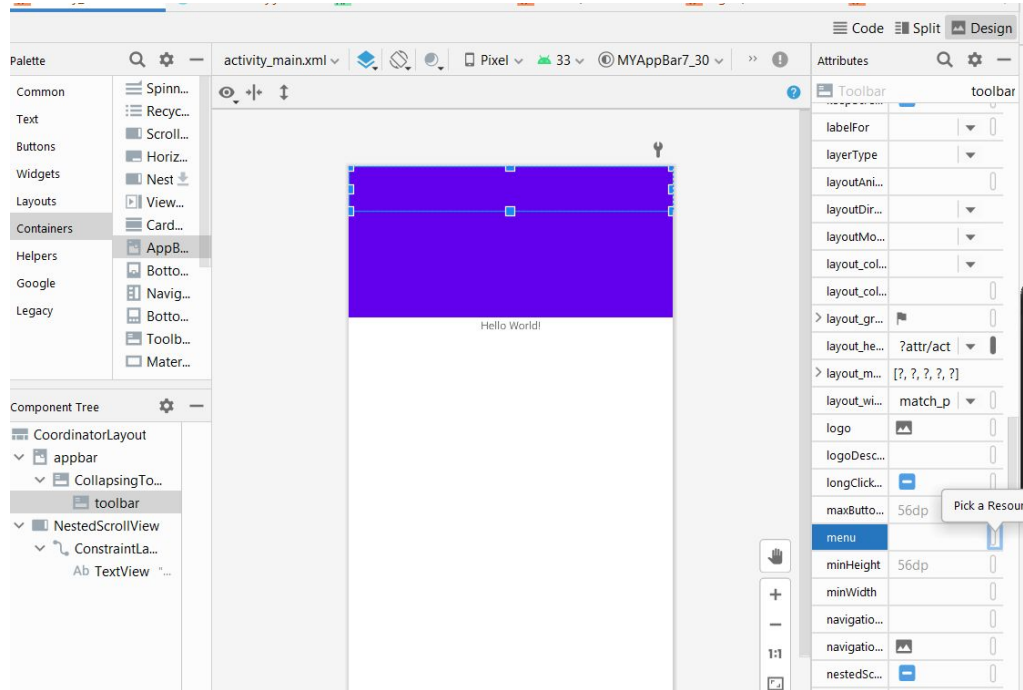
adicionar itens ao menu



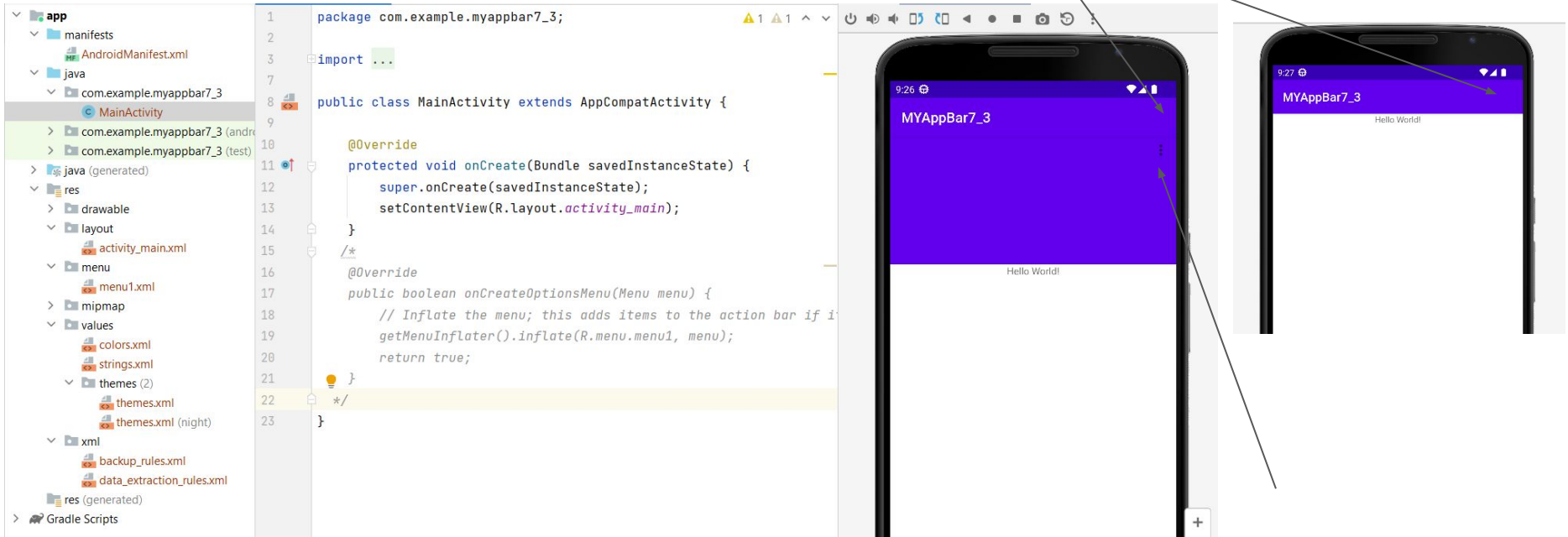
incluir uma appbar na main_activity.xml



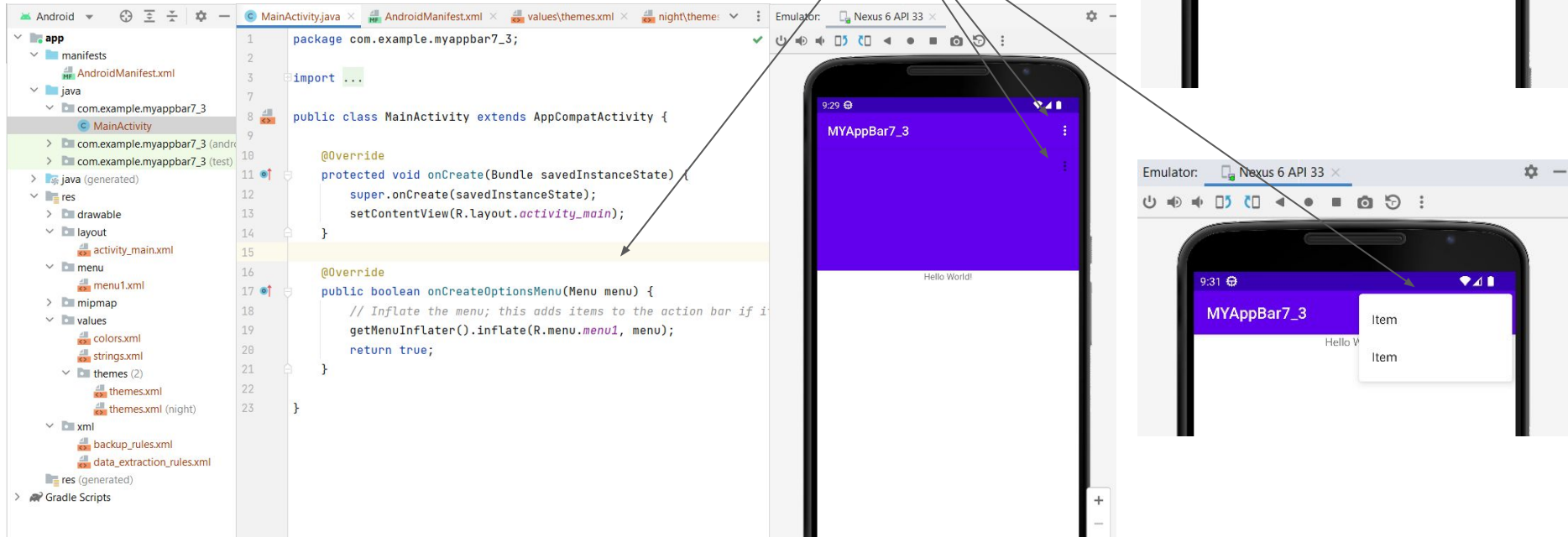
incluir menu appbar



menu com itens



menu - com itens



FIM