Example 1 C:

Develop an application that uses Colors

In android application development, we can able to use custom fonts in two ways

- Using Color Codes
- Using Color from Colors.xml file

Using Color Codes:

In this approach you will able to use the color codes programmatically in your android application.

```
int deepColor = Color.parseColor("#808000");

int lightColor = Color.parseColor("#FFF5EE");
```

Now you will able to use the above color code in your android application.

```
Button btn = (Button) findViewById(R.id.button);
btn.setBackgroundColor(deepColor);
```

Using Color from Colors.xml file

In this approach you need to add colors in your project colors.xml file.

To add colors in colors.xml file, perform the following steps in the Android Studio:

1. Select Project
2. Right click app / res / values folder. Click New —> Values resource file menu.
3. Input colors in File name input box, click OK button.
4. Then colors.xml file will be created in left panel under app / res / values folder. Double click it, input below color definition xml data in it.

```
<color name="colorRed">#ff0000</color>
<color name="colorOrange">#f1a86c</color>
```

Now color variables can be used in both xml and java file. It is easy to refer them.

a) Use custom color variable in xml file such as layout xml file

@color/colorVariableName @color/colorOrange.

Example:

```
<TextView
   android:id="@+id/textView1"
   android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:text="TextView"
   android:background="@color/colorRed" />
```

b) Use custom color variable in java file

R.color.colorVariableName R.color.colorRed.

R is the android auto created resource class.

Example:

```
Button btn = (Button) findViewById(R.id.button);
btn.setBackgroundColor(R.color.colorRed);
```