**Assigment: 1**

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**Section: BSCS 6B**

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**Step 1: Create the Main Activity**

**package com.example.alternativeresources;**

**import android.os.Bundle;**

**import androidx.appcompat.app.AppCompatActivity;**

**public class MainActivity extends AppCompatActivity {**

**@Override**

**protected void onCreate(Bundle savedInstanceState) {**

**super.onCreate(savedInstanceState);**

**setContentView(R.layout.activity\_main);**

**}**

**}**

**Step 2: Create Layouts for Portrait and Landscape**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/textView"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_centerInParent="true"

android:text="@string/hello\_world"

android:textSize="18sp" />

</RelativeLayout>

**<?xml version="1.0" encoding="utf-8"?>**

**<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent">**

**<TextView**

**android:id="@+id/textView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_centerInParent="true"**

**android:text="@string/hello\_world"**

**android:textSize="24sp"**

**android:textColor="@android:color/holo\_blue\_light" />**

**</RelativeLayout>**

**Step 3: Create String Resources for English and Spanish**

**<resources>**

**<string name="app\_name">AlternativeResources</string>**

**<string name="hello\_world">Hello, World!</string>**

**</resources>**

**<resources>**

**<string name="app\_name">RecursosAlternativos</string>**

**<string name="hello\_world">¡Hola, Mundo!</string>**

**</resources>**

**Step 4: Create Colors for Day and Night Modes**

**<resources>**

**<color name="background\_color">#FFFFFF</color>**

**<color name="text\_color">#000000</color>**

**</resources>**

**<resources>**

**<color name="background\_color">#000000</color>**

**<color name="text\_color">#FFFFFF</color>**

**</resources>**

**Step 5: Modify the Layouts to Use the Colors**

**Portrait layout:**

**<?xml version="1.0" encoding="utf-8"?>**

**<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:background="@color/background\_color">**

**<TextView**

**android:id="@+id/textView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_centerInParent="true"**

**android:text="@string/hello\_world"**

**android:textSize="18sp"**

**android:textColor="@color/text\_color" />**

**</RelativeLayout>**

**Landscape Layout:**

**<?xml version="1.0" encoding="utf-8"?>**

**<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:background="@color/background\_color">**

**<TextView**

**android:id="@+id/textView"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:layout\_centerInParent="true"**

**android:text="@string/hello\_world"**

**android:textSize="24sp"**

**android:textColor="@color/text\_color" />**

**</RelativeLayout>**