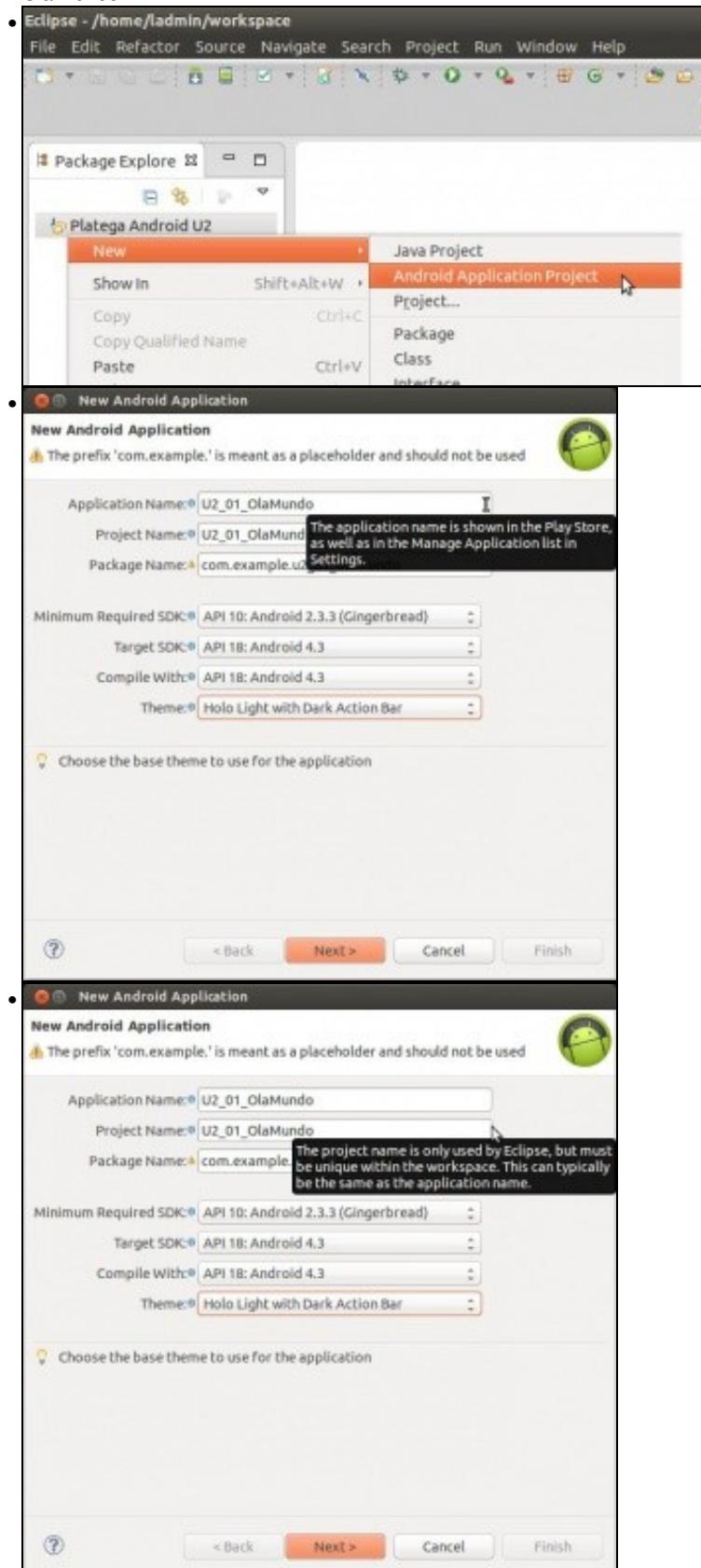
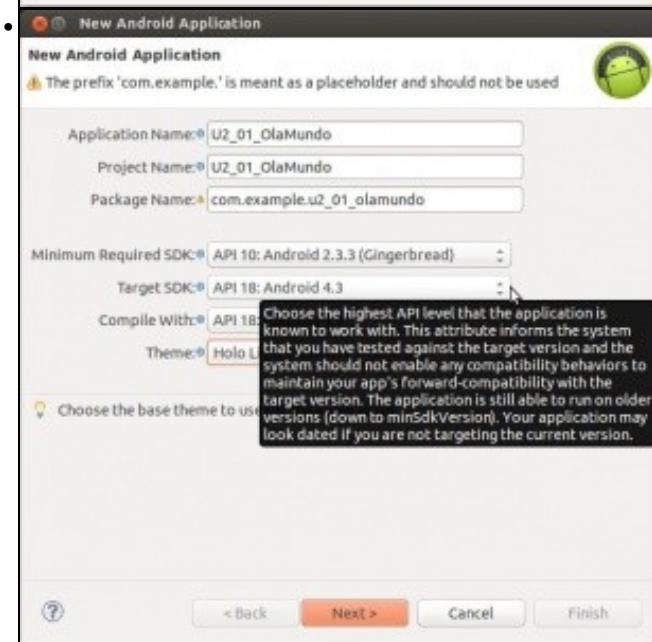
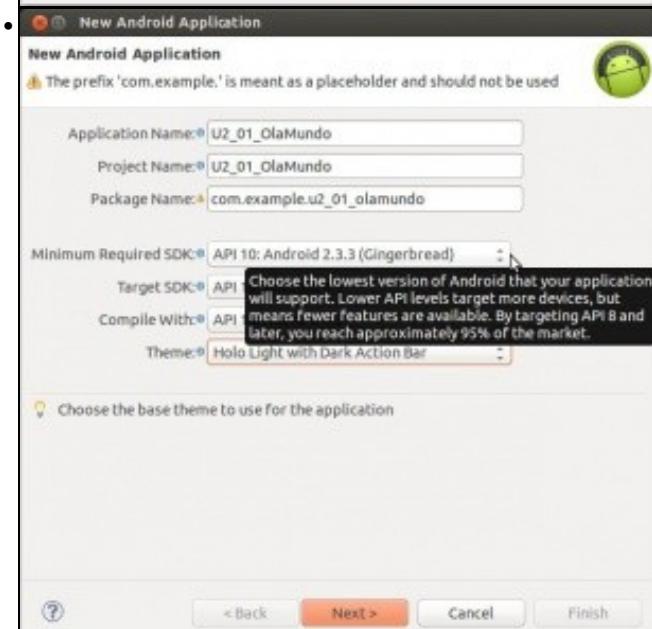
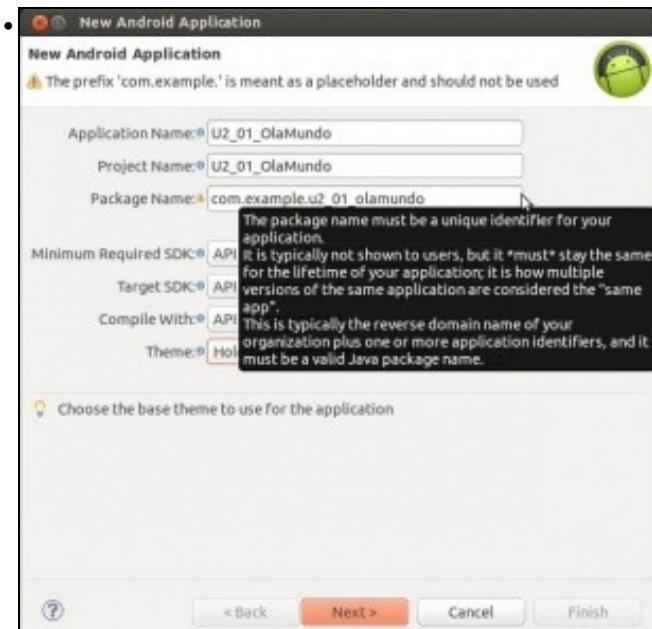
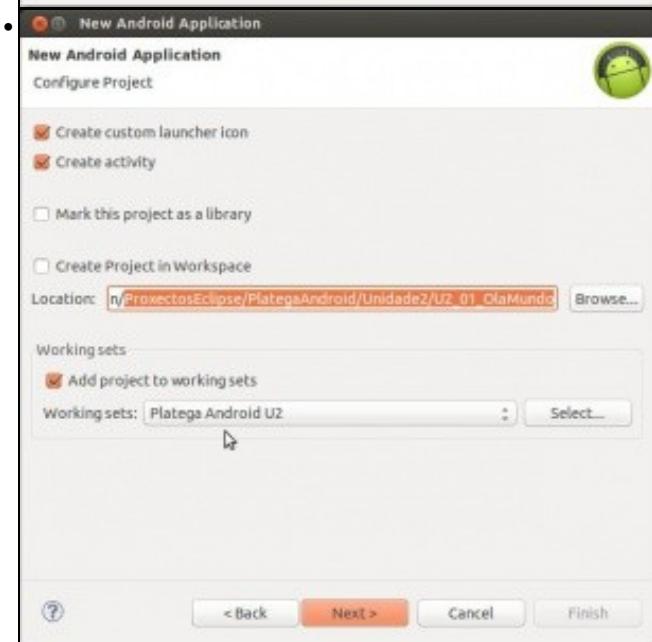
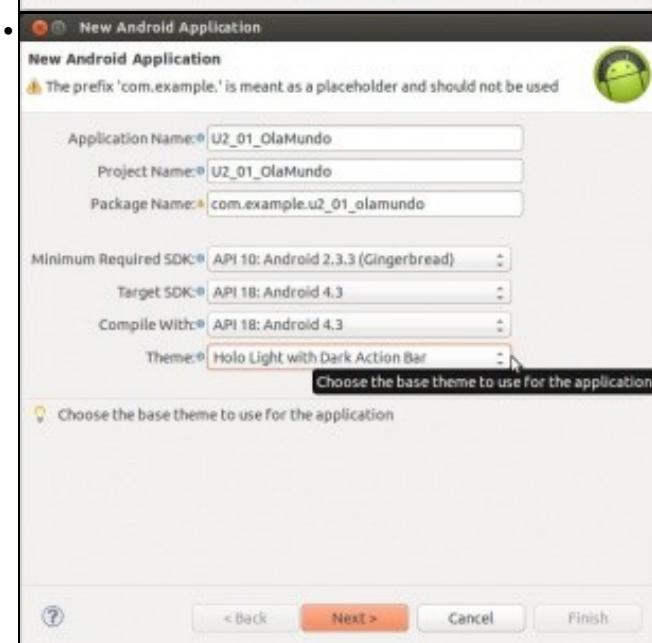
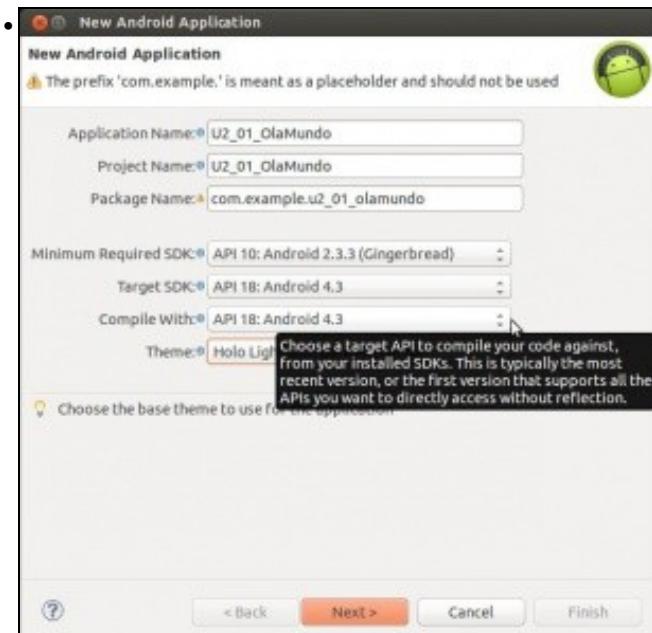


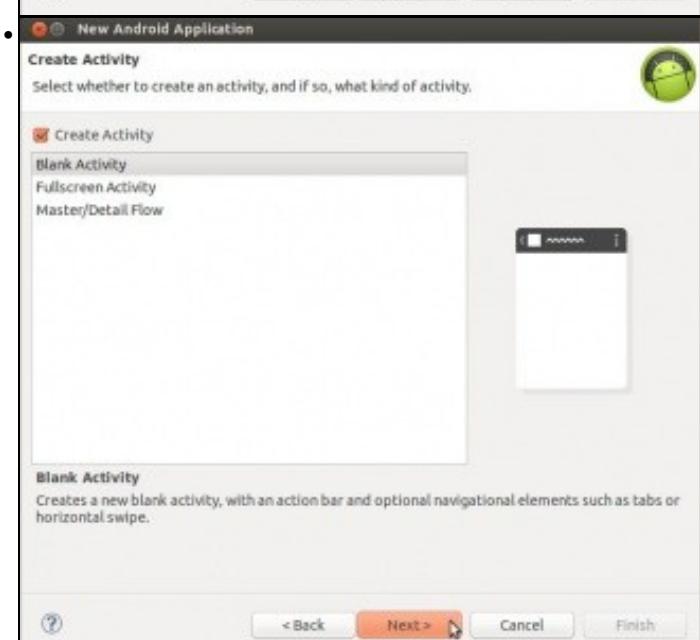
Ola Mundo

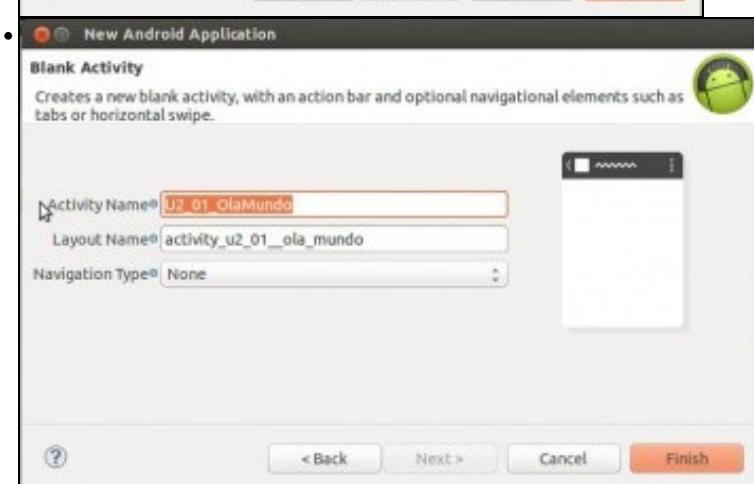
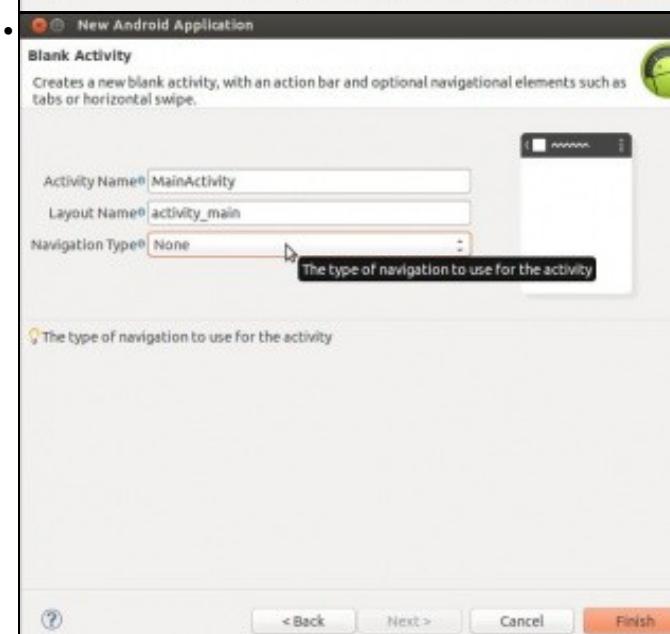
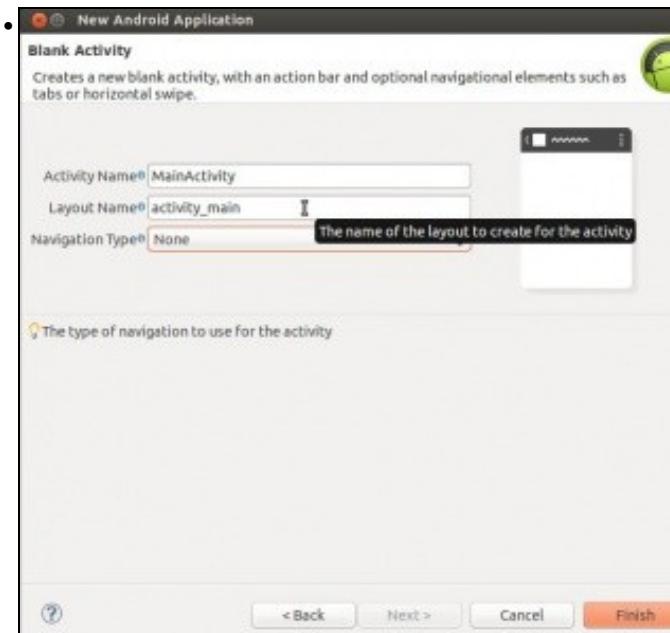
- Ola Mundo











The screenshot shows four vertically stacked Android Studio project windows, each displaying a different aspect of the "U2_01_OlaMundo" application.

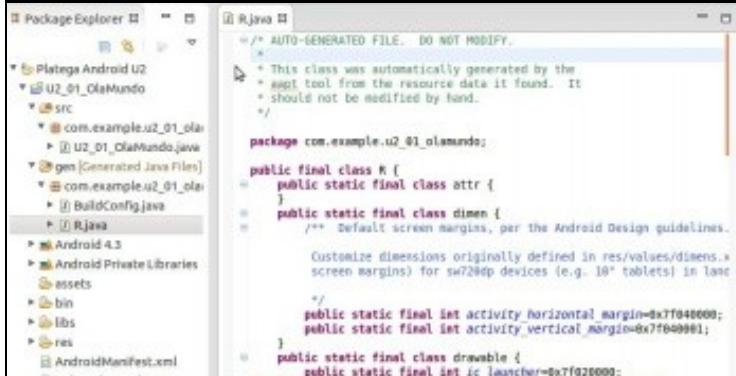
- Top Window:** Package Explorer view showing the project structure. The file `U2_01_OlaMundo.java` is selected in the code editor. The code defines a `U2_01_OlaMundo` class that extends `Activity`. It overrides `onCreate` and `onCreateOptionsMenu` methods.
- Second Window:** Package Explorer view showing the project structure. The file `activity_u2_01_ola_mundo.xml` is selected in the code editor. A graphical layout preview shows a single `Text View` with the text "Hello World". A palette on the left lists various UI components like `Form Widgets`, `Text View`, `Large Text`, etc.
- Third Window:** Package Explorer view showing the project structure. The file `activity_u2_01_ola_mundo.xml` is selected in the code editor. The XML code defines a `RelativeLayout` with a single `Text View` child.
- Bottom Window:** Package Explorer view showing the project structure. The file `U2_01_OlaMundo.java` is selected in the code editor. The code is identical to the top window's code.

```

public class U2_01_OlaMundo extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_u2_01_ola_mundo);
    }
}

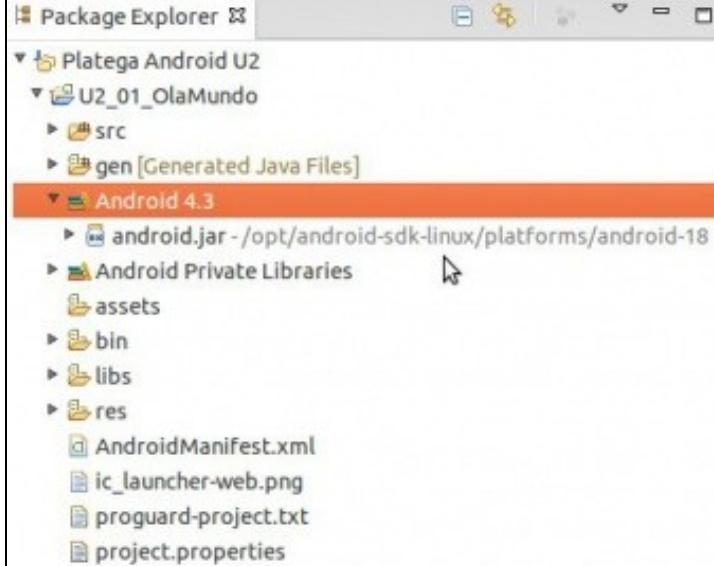
```

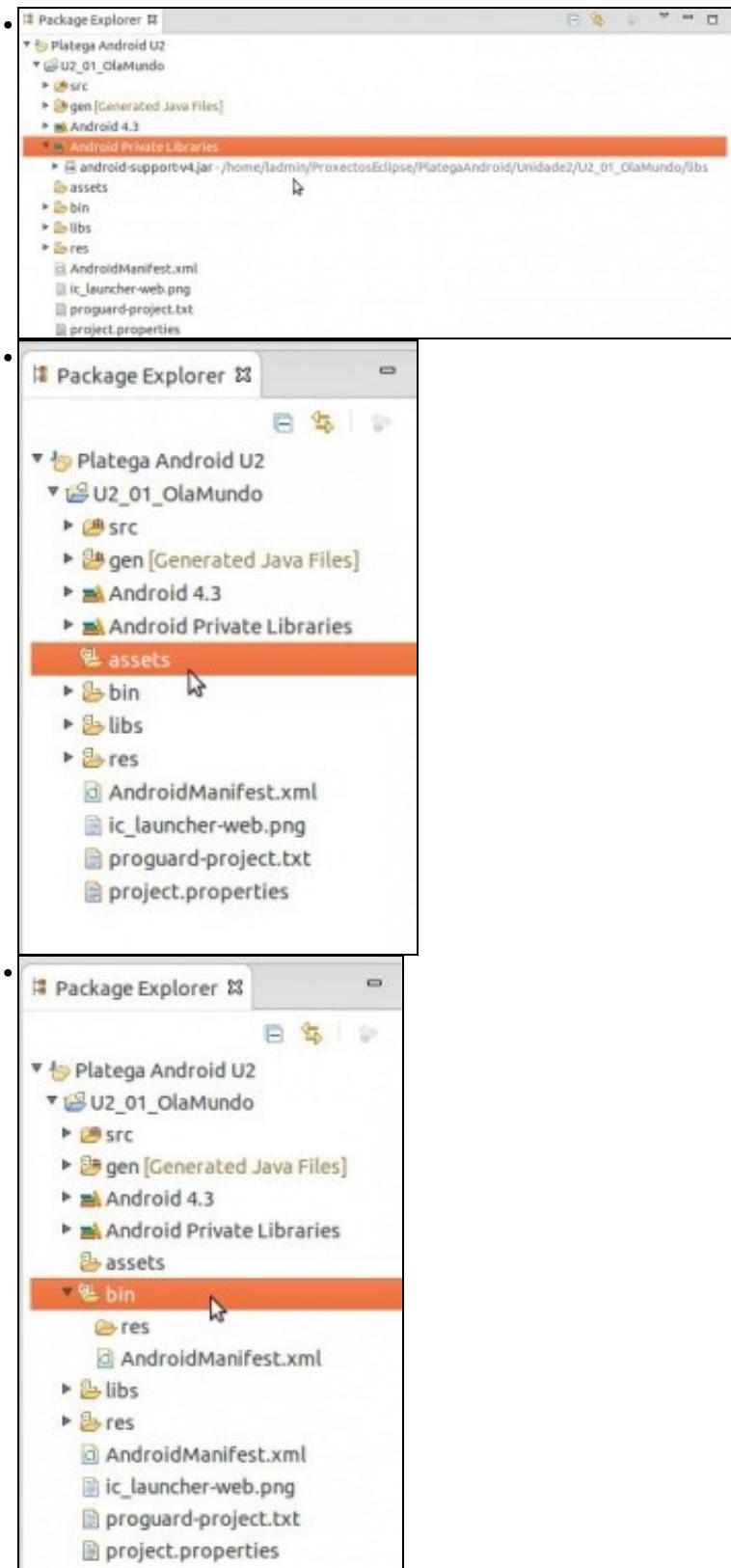


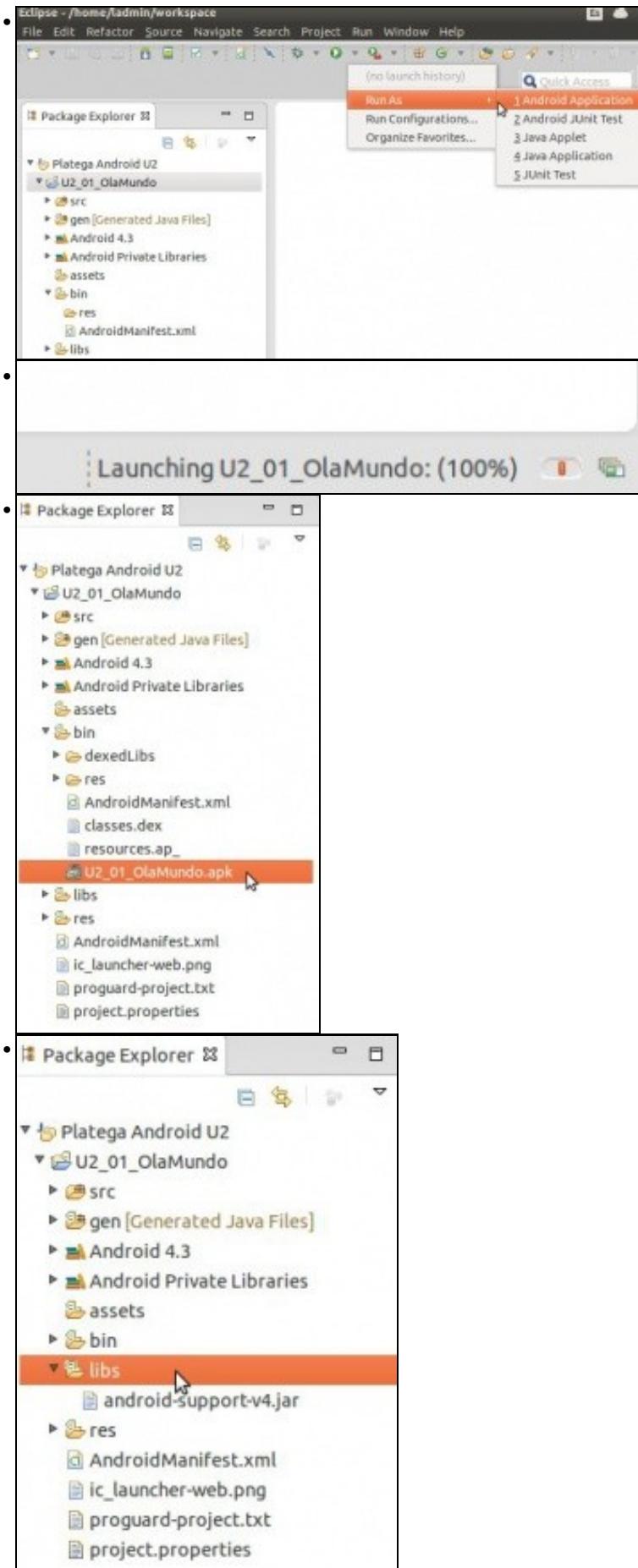
```

public static final class drawable {
    public static final int ic_launcher=0x7f020000;
}
public static final class id {
    public static final int action_settings=0x7f080000;
}
public static final class layout {
    public static final int activity_u2_01_ola_mundo=0x7f030000;
}
public static final class menu {
    public static final int u2_01_ola_mundo=0x7f070000;
}
public static final class string {
    public static final int action_settings=0x7f050001;
    public static final int app_name=0x7f050000;
    public static final int hello_world=0x7f050002;
}
public static final class style {
}

```







The screenshot displays three windows from the Android Studio interface:

- Top Window (Package Explorer):** Shows the project structure for "U2_01_OlaMundo". The "res" folder is expanded, specifically showing the "drawable-hdpi" folder which contains "ic_launcher.png". Other subfolders like "drawable-ldpi", "drawable-mdpi", "drawable-xhdpi", and "drawable-xxhdpi" also contain "ic_launcher.png".
- Middle Window (Package Explorer):** Shows the project structure for "U2_01_OlaMundo". The "res" folder is expanded, specifically showing the "layout" folder which contains "activity_u2_01_ola_mundo.xml". Other subfolders like "drawable-hdpi", "drawable-ldpi", "drawable-mdpi", "drawable-xhdpi", and "drawable-xxhdpi" are also present.
- Bottom Window (Code Editor):** Displays the XML code for "activity_u2_01_ola_mundo.xml". The code defines a relative layout with a single text view containing the string "Hello world".

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/re
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  android:paddingBottom="@dimen/activity_vertical_margin"
  android:paddingLeft="@dimen/activity_horizontal_margin"
  android:paddingRight="@dimen/activity_horizontal_margin"
  android:paddingTop="@dimen/activity_vertical_margin"
  tools:context=".U2_01_OlaMundo" >

  <TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/hello_world" />

</RelativeLayout>
```

The image shows four screenshots of the Eclipse IDE's Package Explorer and Resource Editor panes, illustrating the creation of an Android resource file.

Screenshot 1: The Package Explorer shows the project structure. The **values** folder is selected, containing **dimens.xml**, **strings.xml**, and **styles.xml**. The **dimens.xml** file is open in the Resource Editor.

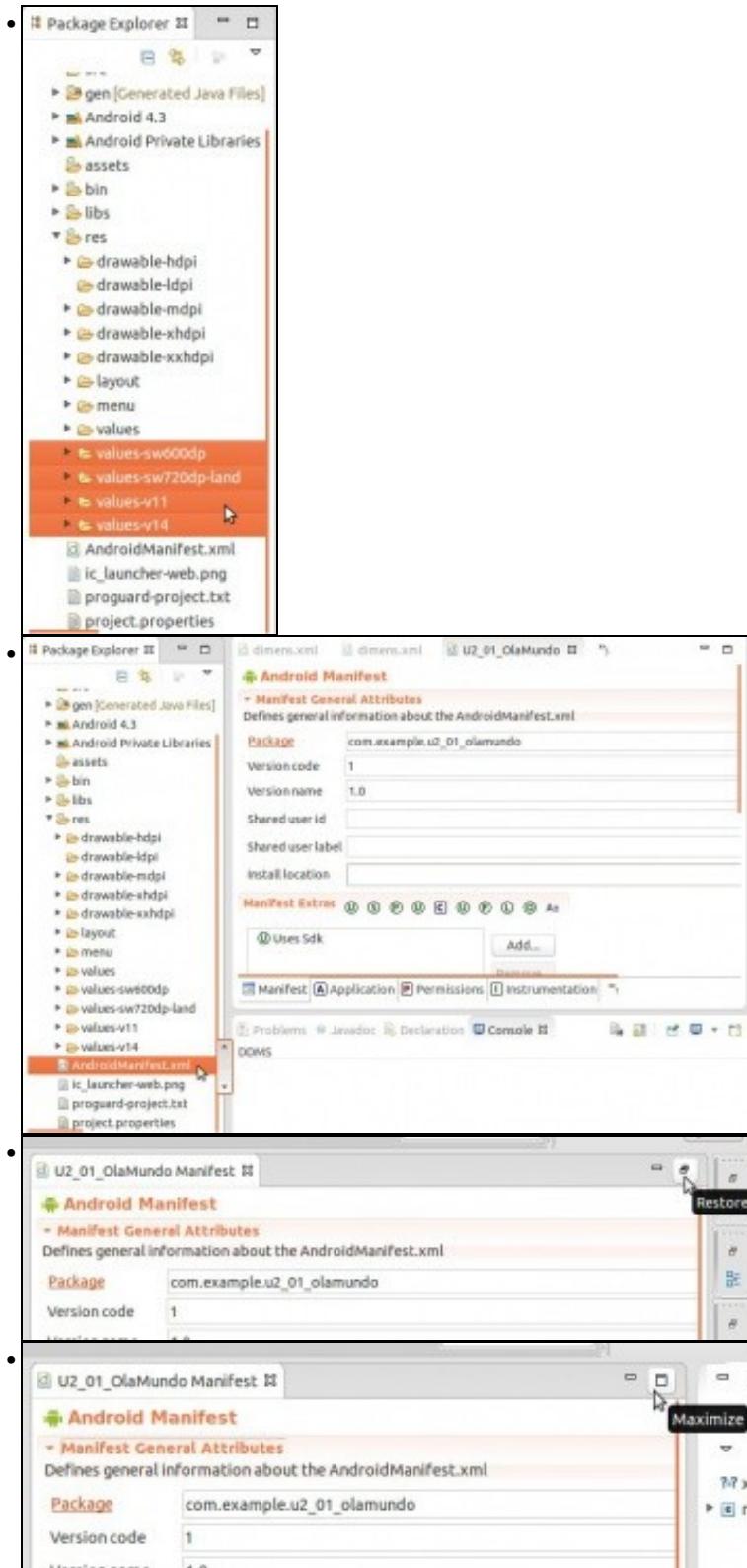
```
<!-- Default screen margins, per the Android Design guidelines. -->
<dimen name="activity_horizontal_margin">16dp</dimen>
<dimen name="activity_vertical_margin">16dp</dimen>
```

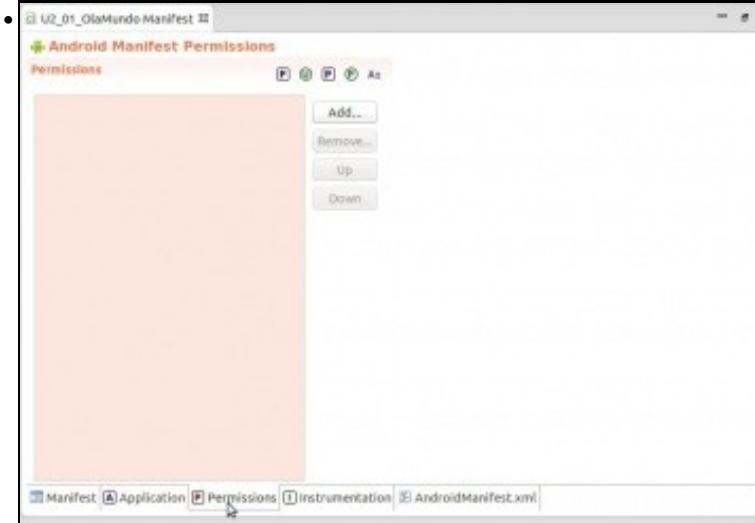
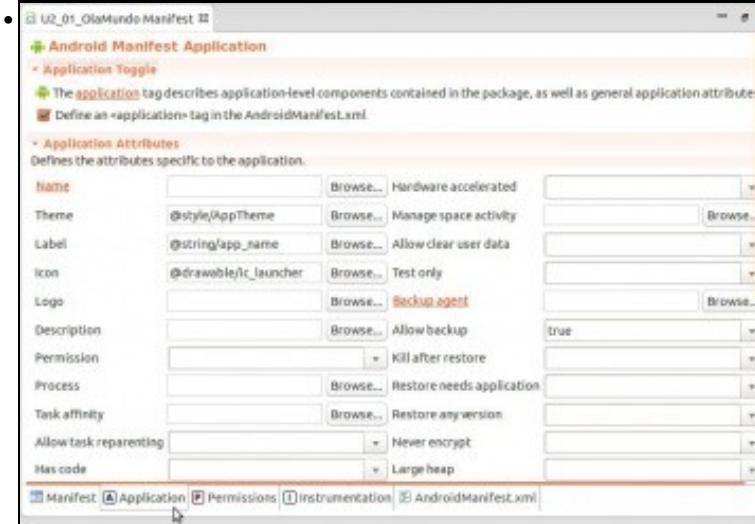
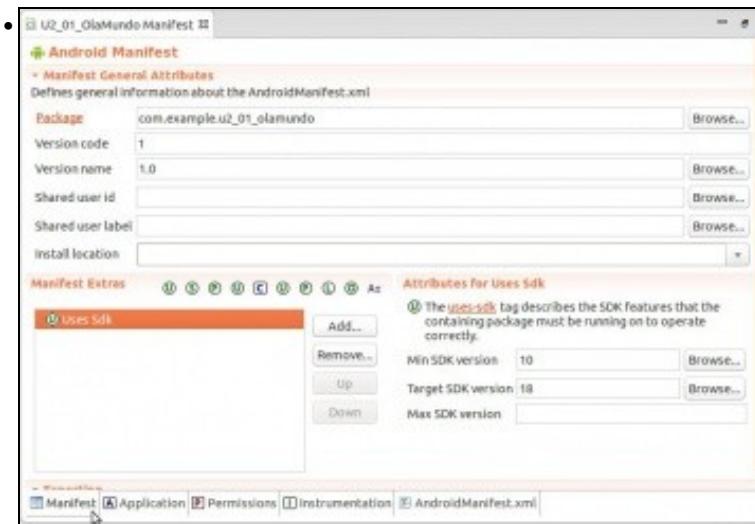
Screenshot 2: The **values** folder is still selected. The **strings.xml** file is now open in the Resource Editor.

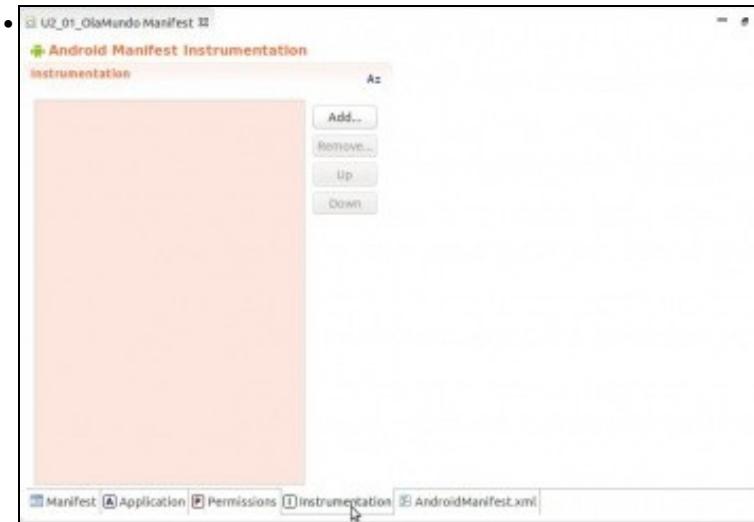
```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">U2_01_OlaMundo</string>
    <string name="action_settings">Settings</string>
    <string name="hello_world">Hello world!</string>
</resources>
```

Screenshot 3: The **values** folder is selected. The **styles.xml** file is now open in the Resource Editor.

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <!-- Base application theme, dependent on API level. This theme is
        by AppBaseTheme from res/values-vXX/styles.xml on newer devices
    -->
    <style name="AppBaseTheme" parent="android:Theme.Light">
        <!--
            These customizations available in newer API levels can go in
            res/values-vXX/styles.xml, while customizations related to
            backward-compatibility can go here.
        -->
    </style>
    <!-- Application Theme. -->
    <style name="AppTheme" parent="AppBaseTheme">
        <!-- All customizations that are NOT specific to a particular />
    </style>
</resources>
```







Manifest Application Permissions Instrumentation AndroidManifest.xml

The screenshot shows the XML code for the AndroidManifest.xml file. The code defines a single application with its package name, version, and various configuration settings like minSdkVersion and targetSdkVersion. It also specifies an activity with an intent filter for the MAIN category.

```
<uses-sdk
    android:minSdkVersion="10"
    android:targetSdkVersion="18" />

<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher"
    android:label="@string/app_name"
    android:theme="@style/AppTheme" >
    <activity
        android:name=".com.example.u2_01_olamundo.U2_01_OlaMundo"
        android:label="@string/app_name" >
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
</application>

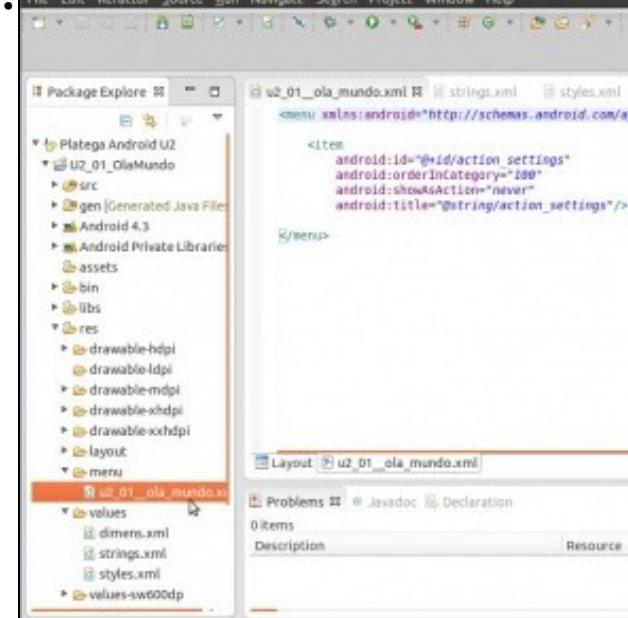
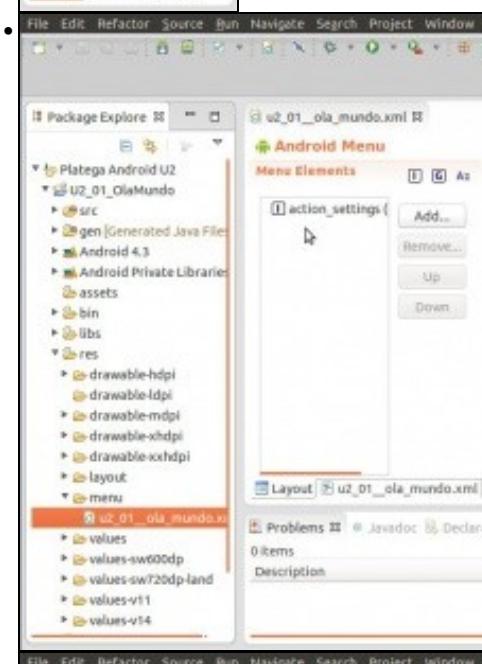
</manifest>
```

Manifest Application Permissions Instrumentation AndroidManifest.xml

```
<uses-sdk
    android:minSdkVersion="10"
    android:targetSdkVersion="18" />

<application
    android:allowBackup="true"
    android:icon="@drawable/ic_launcher"
    android:label="@string/app_name"
    android:theme="@style/AppTheme" >
    <activity
        android:name=".com.example.u2_01_olamundo.U2_01_OlaMundo"
        android:label="@string/app_name" >
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
</application>

</manifest>
```



- ```

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

 <item
 android:id="@+id/action_settings"
 android:orderInCategory="100"
 android:showAsAction="never"
 android:title="@string/action_settings"/>

</menu>

```
- ```

<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.u2_01_ola_mundo">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:supportRtl="true">
        <activity
            android:name=".U2_01_OlaMundo"
            android:label="@string/app_name">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        
    
</manifest>

```
- ```

public static final int activity_horizontal_margin=0x0;
public static final int activity_vertical_margin=0x0;
public static final class drawable {
 public static final int ic_launcher=0x7f020000;
}
public static final class id {
 public static final int action_settings=0x7f080000;
}
public static final class layout {
 public static final int activity_u2_01_ola_mundo=0x7f030000;
}

```
- ```

import android.os.Bundle;

public class U2_01_OlaMundo extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_u2_01_ola_mundo);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is
        getMenuInflater().inflate(R.menu.u2_01_ola_mundo, menu);
        return true;
    }
}

```
-

```
    */
    public static final int activity_horizontal_margin=0x7fb40000;
    public static final int activity_vertical_margin=0x7f040000;
}
public static final class drawable {
    public static final int ic_launcher=0x7f020000;
}
public static final class id {
    public static final int action_settings=0x7f000000;
}
public static final class layout {
    public static final int activity_u2_01_ola_mundo=0x7f030000;
}
public static final class menu {
    public static final int u2_01_ola_mundo=0x7f070000;
}
public static final class string {
    public static final int action_settings=0x7f050001;
}
public static final int app_name=0x7f050000;
```

