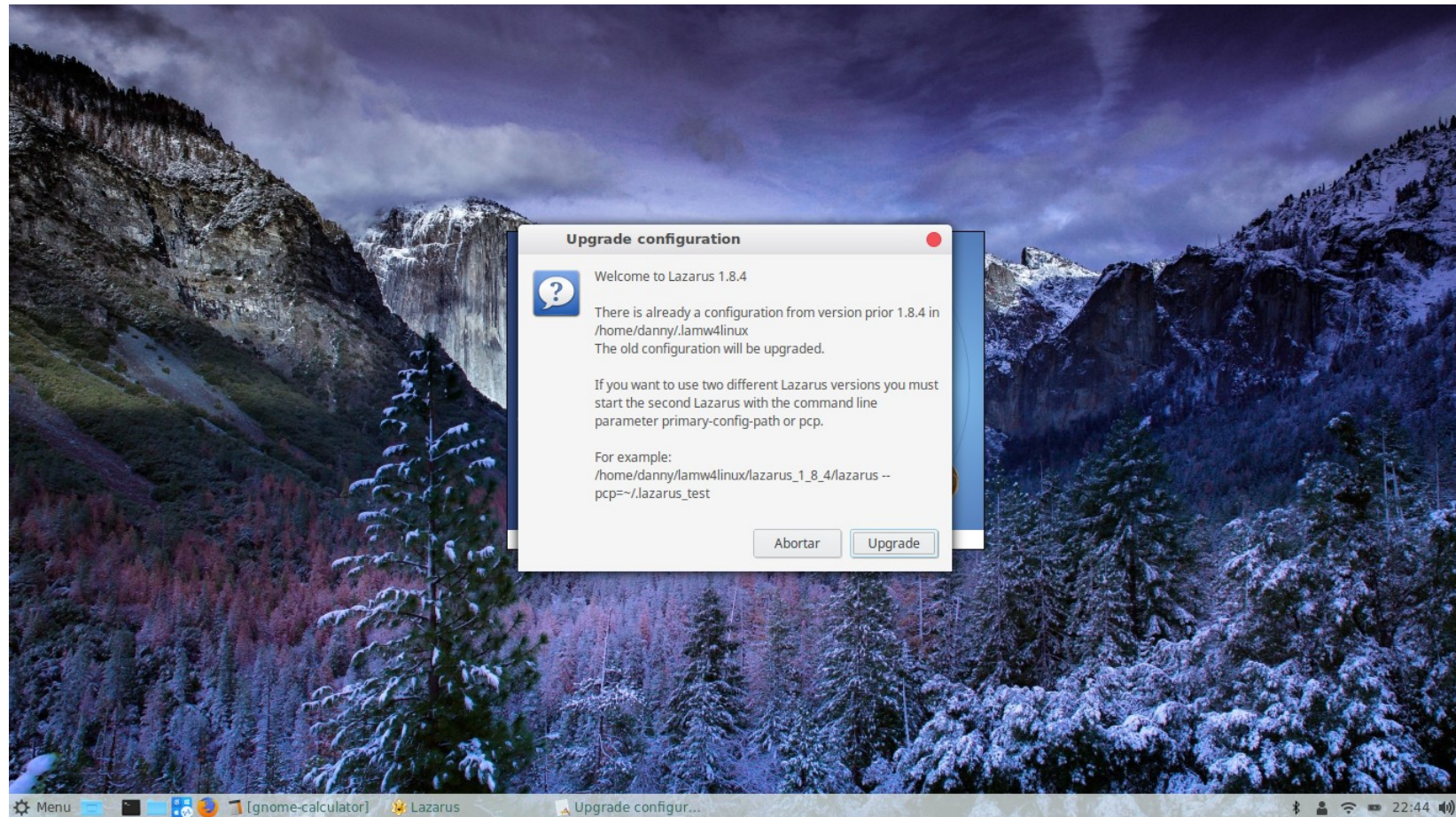


Welcome to LAMW

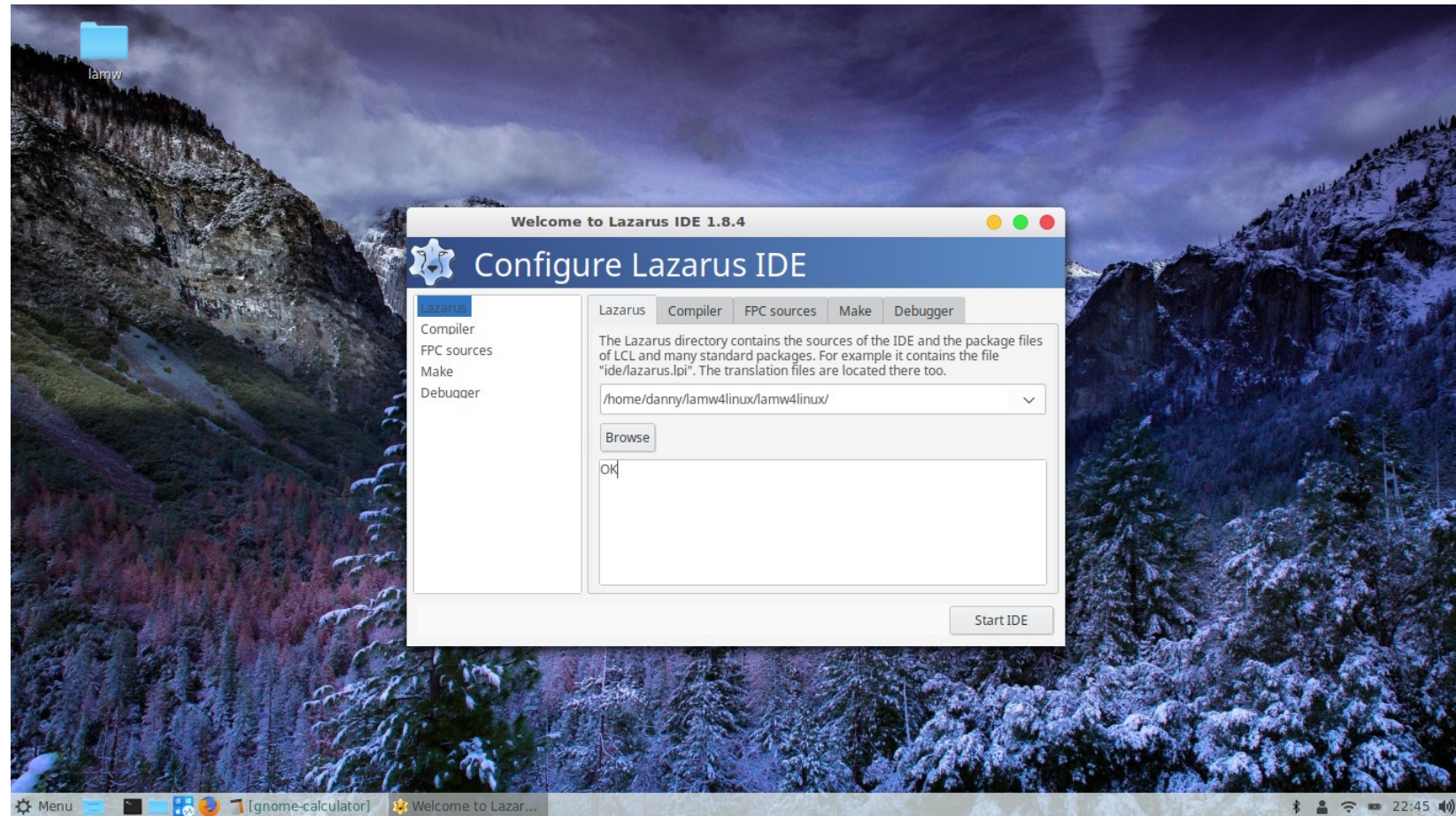


- LAMW: Lazarus Android Module Wizard:
- You are now an android developer!
- See how easy it is to create an Android application with LAMW!

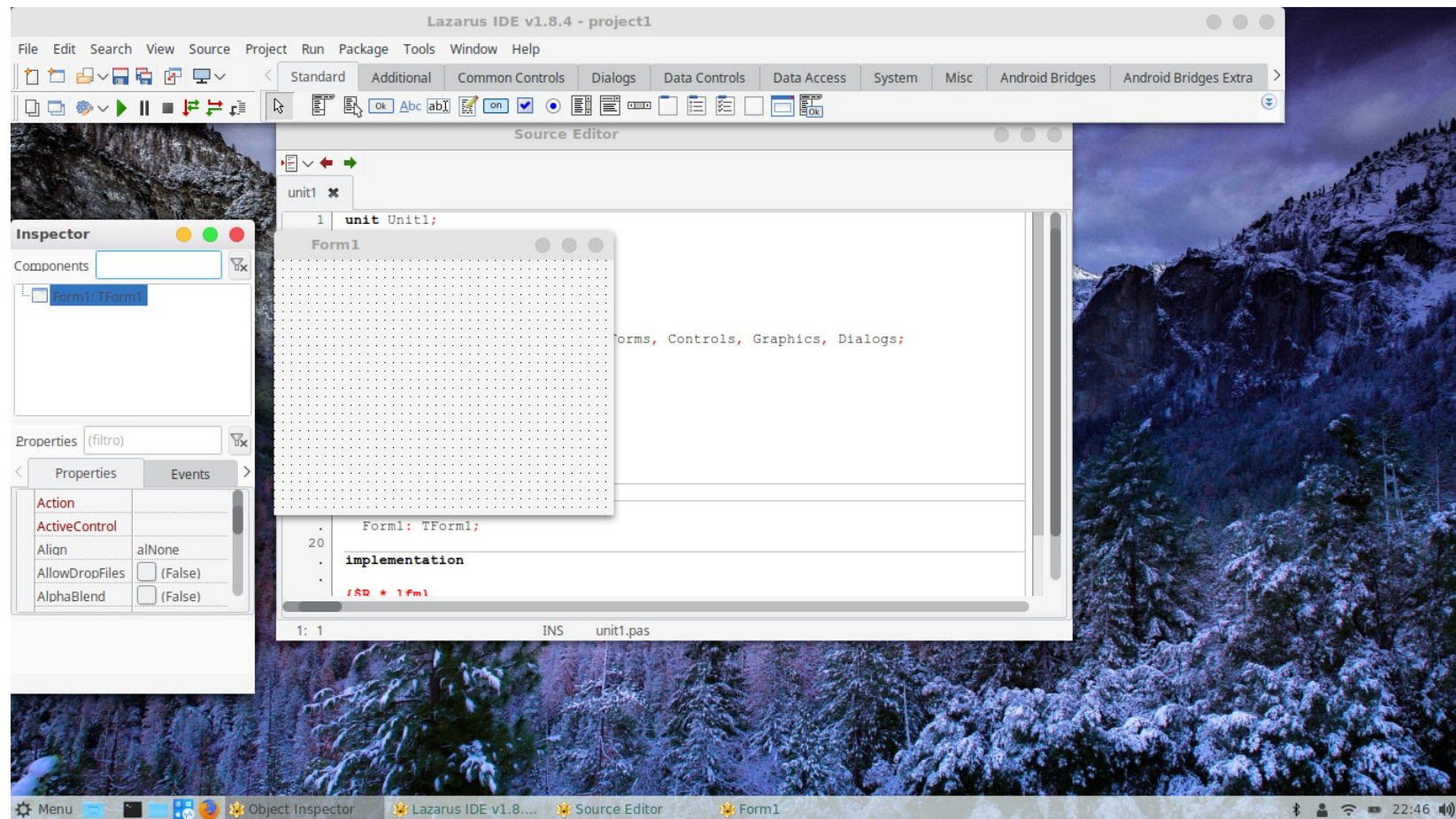
First boot of Lazarus IDE



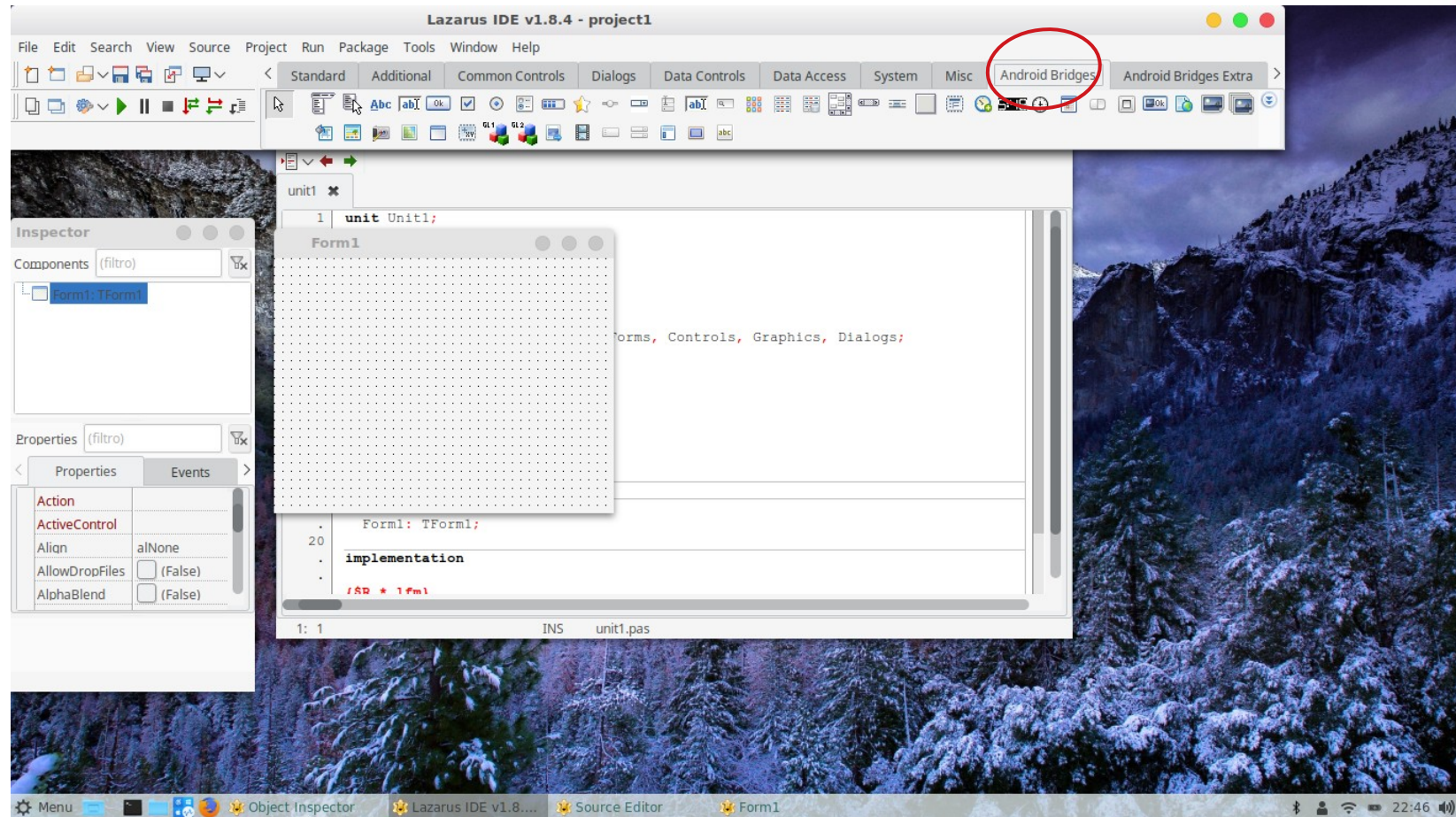
Check options and click Start IDE



Default lazarus design window

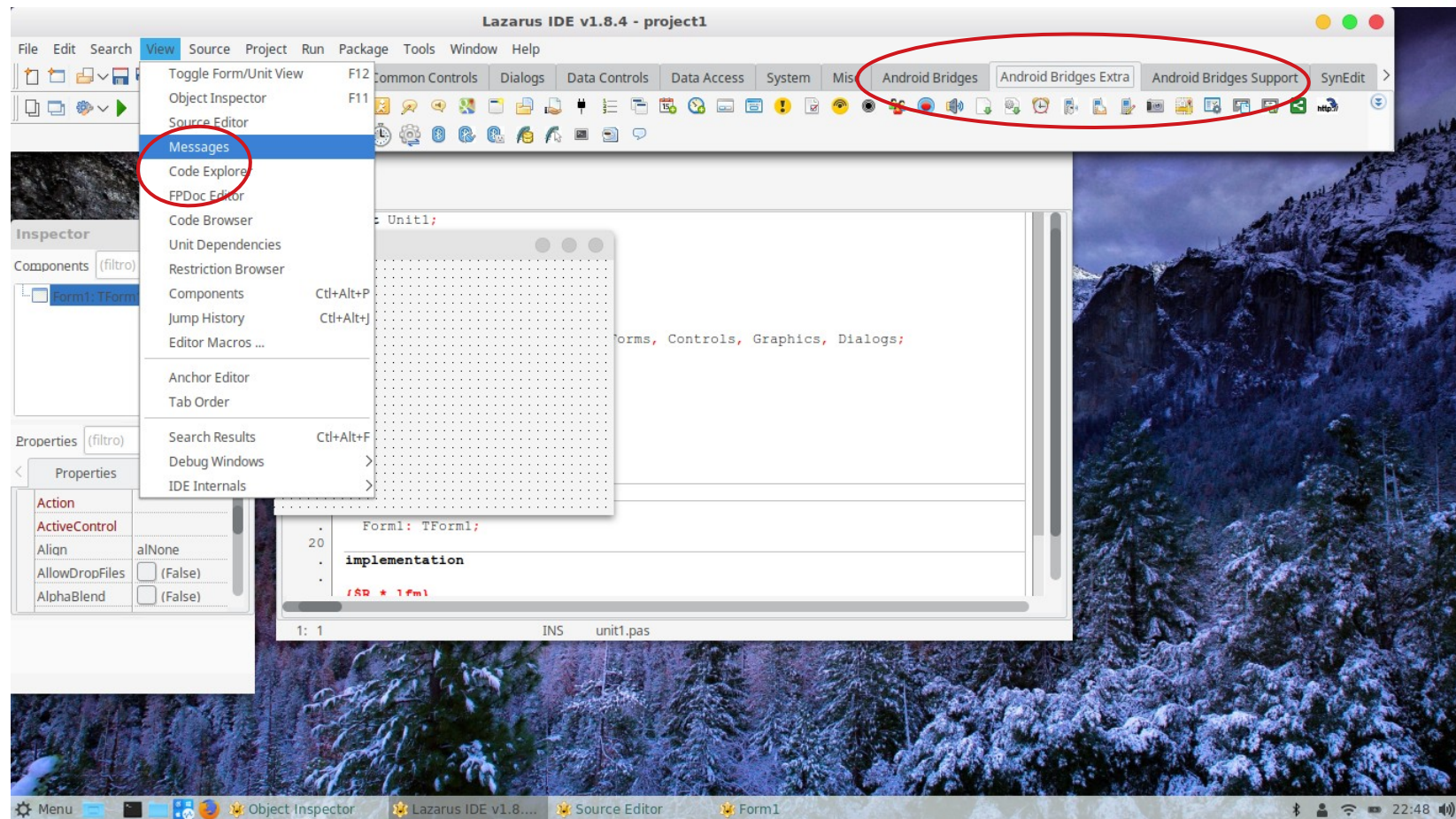


LAMW adds tabs in the lazarus taskbar:

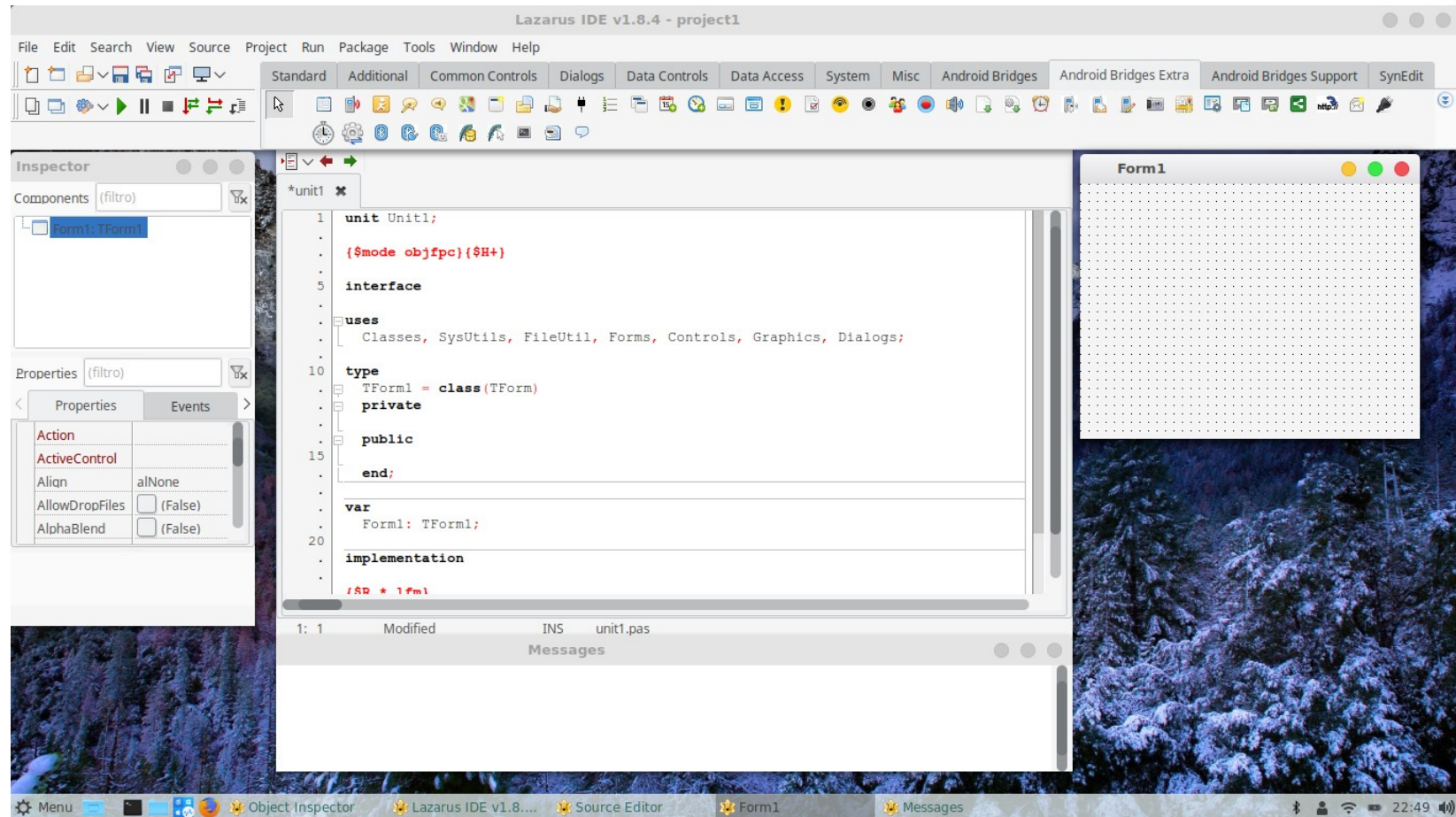


Enable Message Display

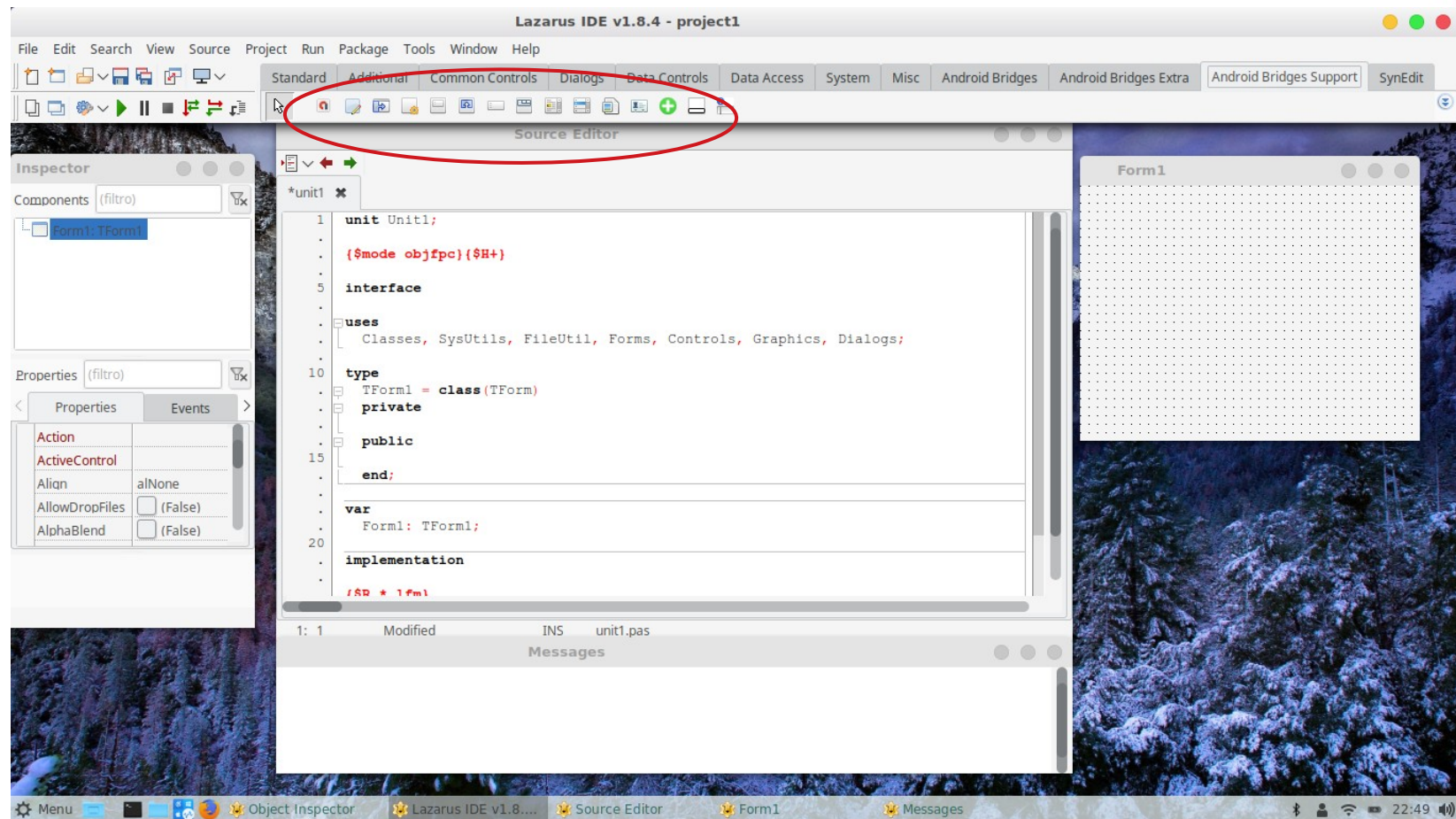
Highlights of the LAMW guides



Enabled Messages



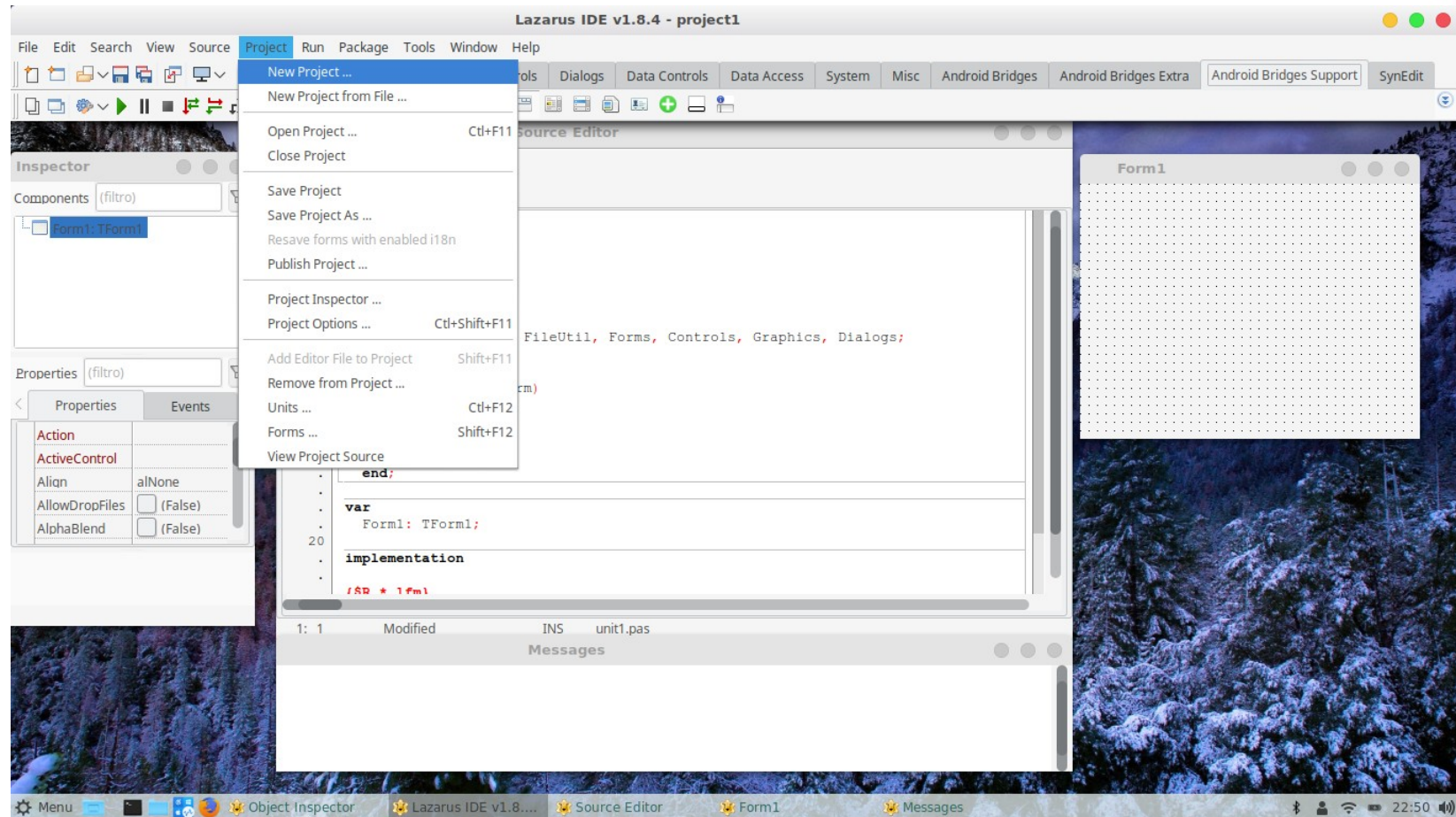
Showing bridges support components



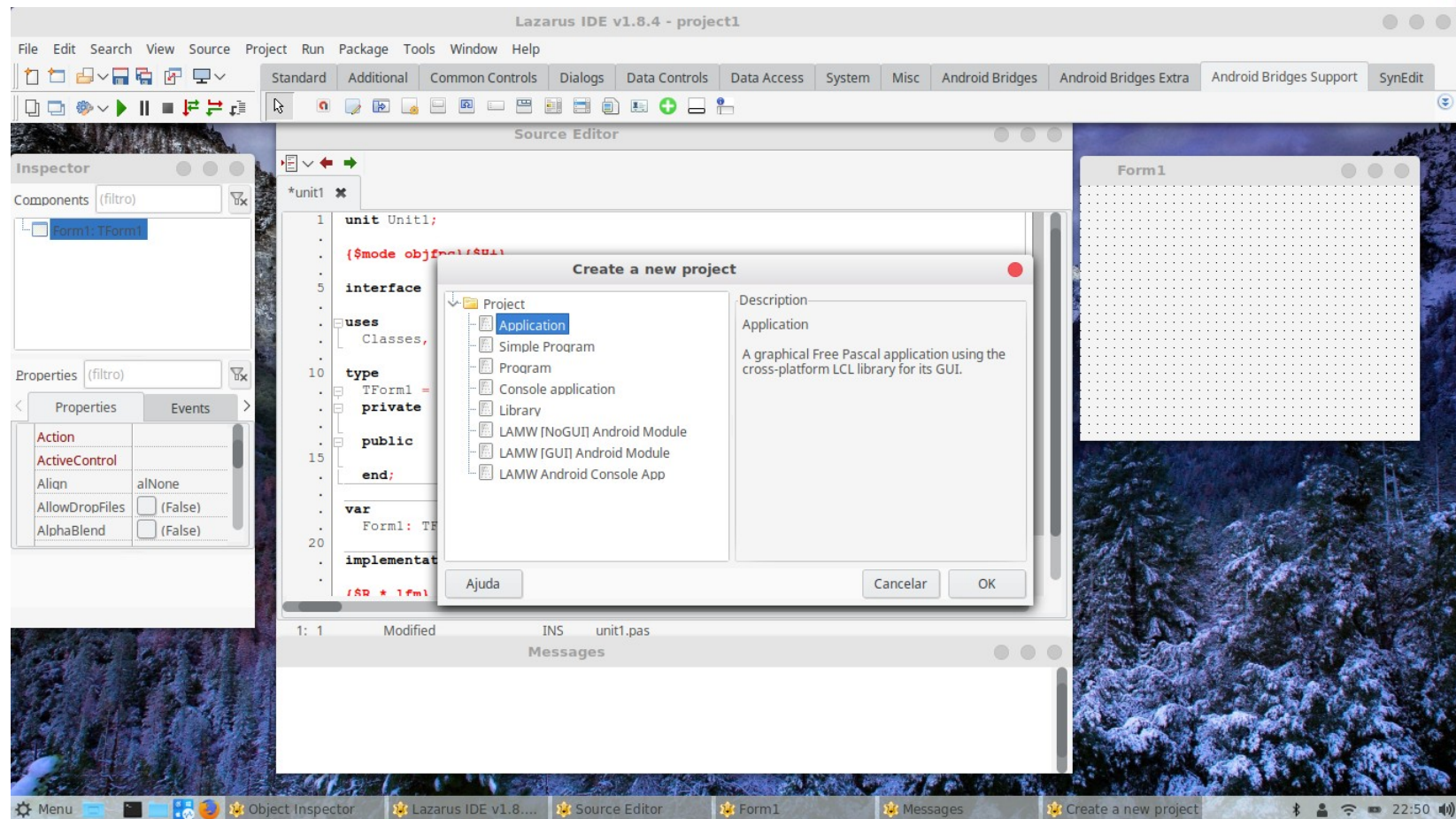
A yellow pencil and a pink eraser are positioned in the top right corner of the page, resting on a blue grid background.

LAMW First Design Creation Guide

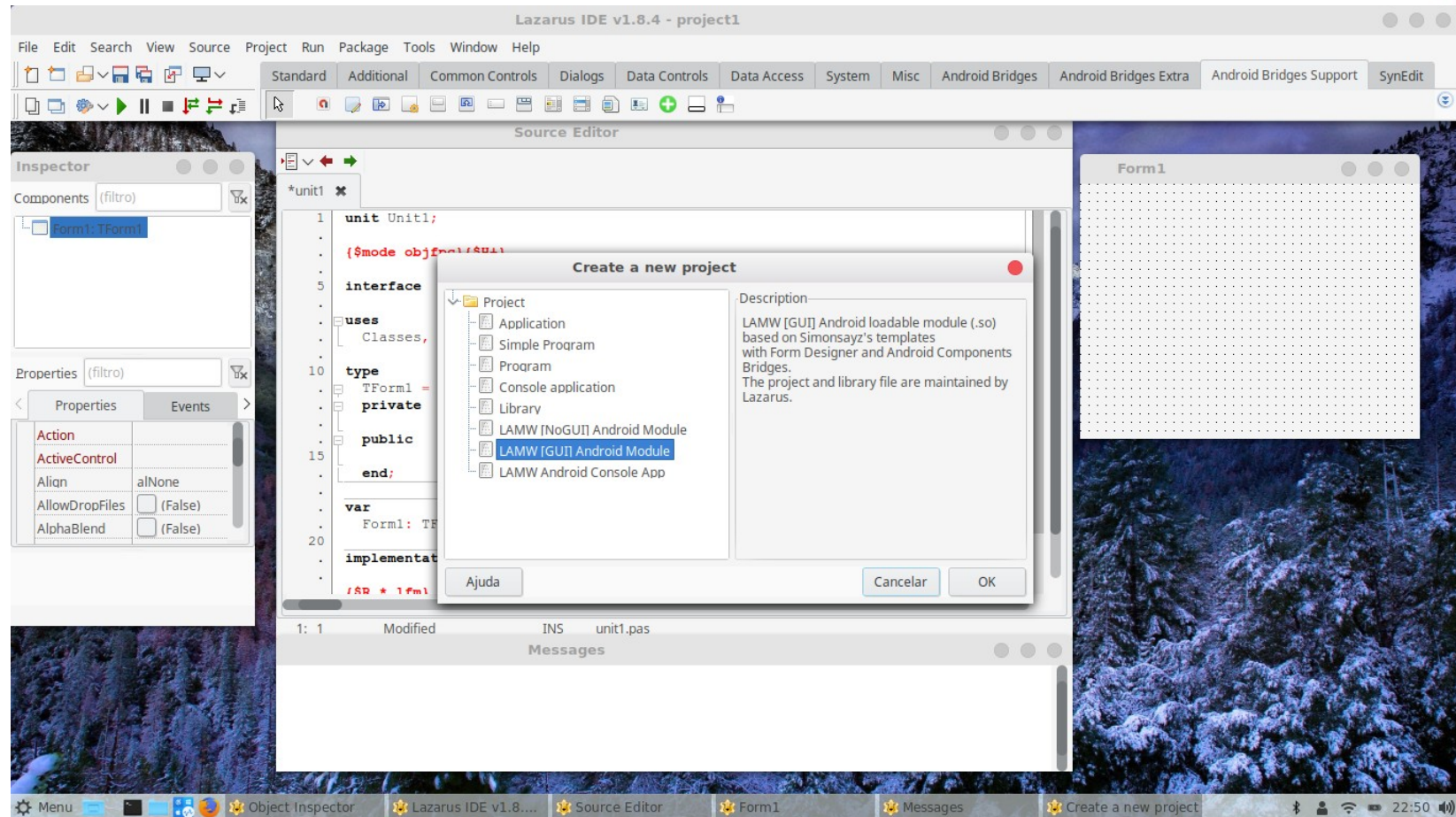
Create a new LAMW Project



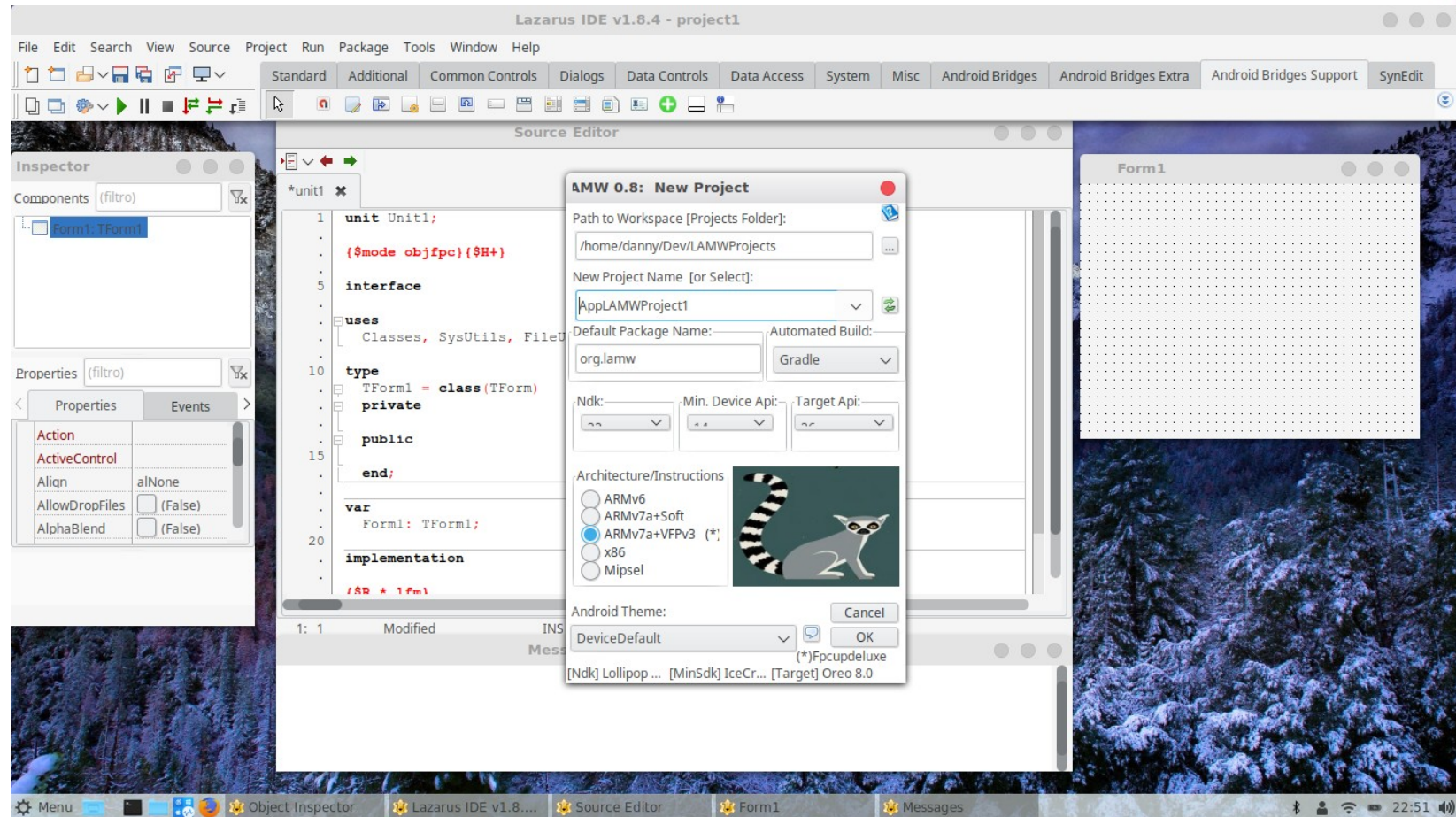
New project creation screen



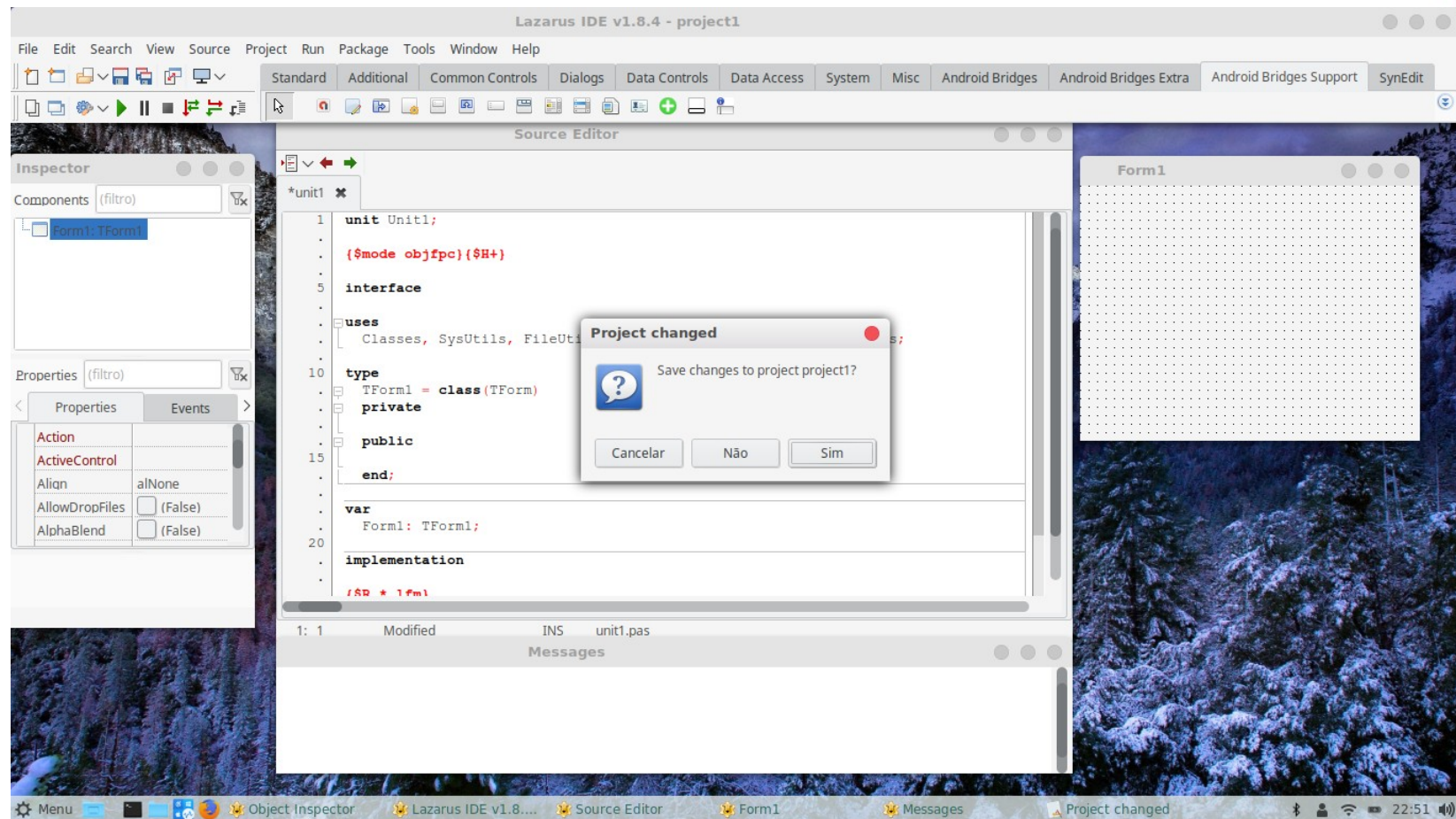
Choose LAMW GUI Android Modul



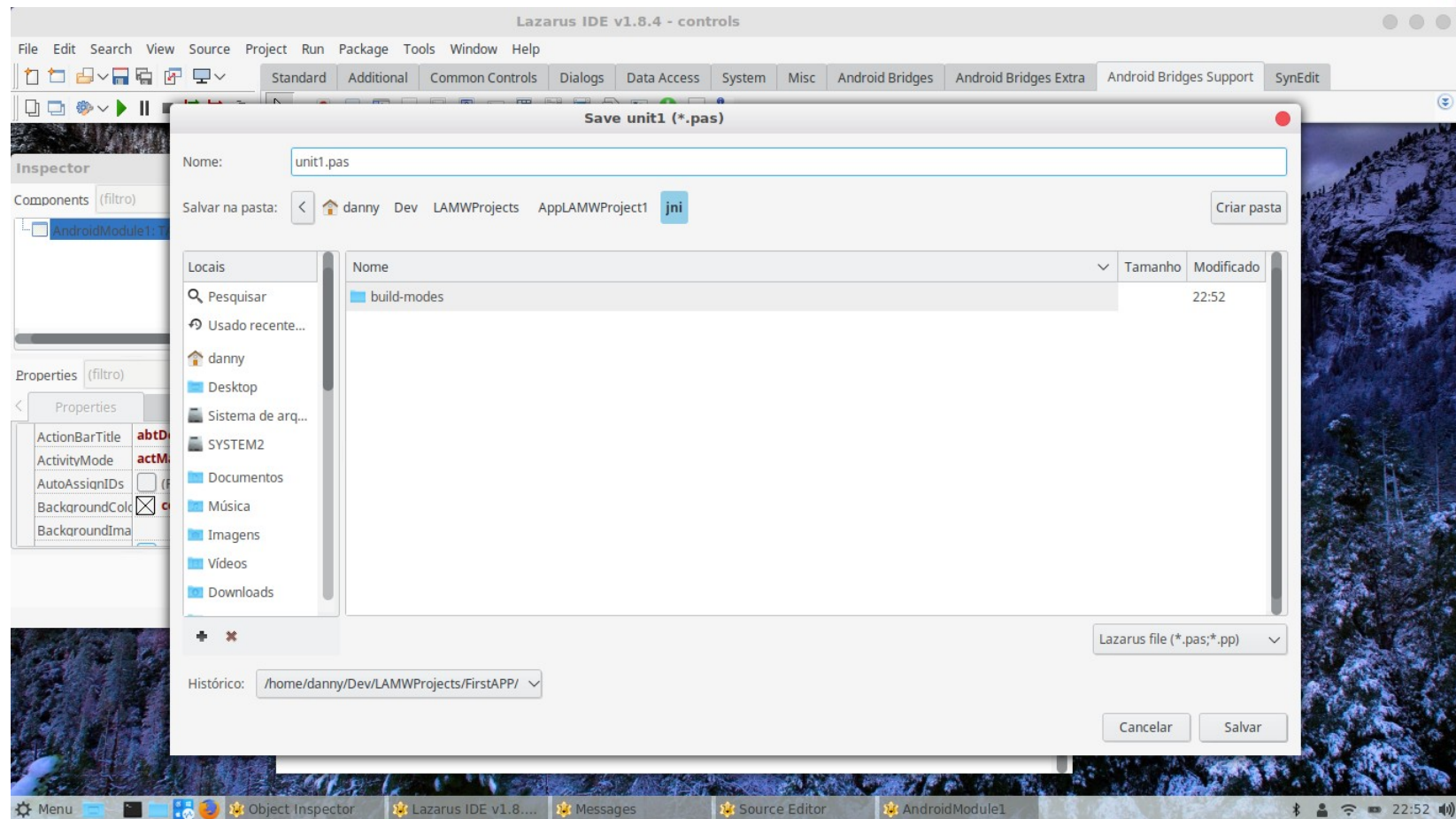
LAMW Project Customization Screen 0.8



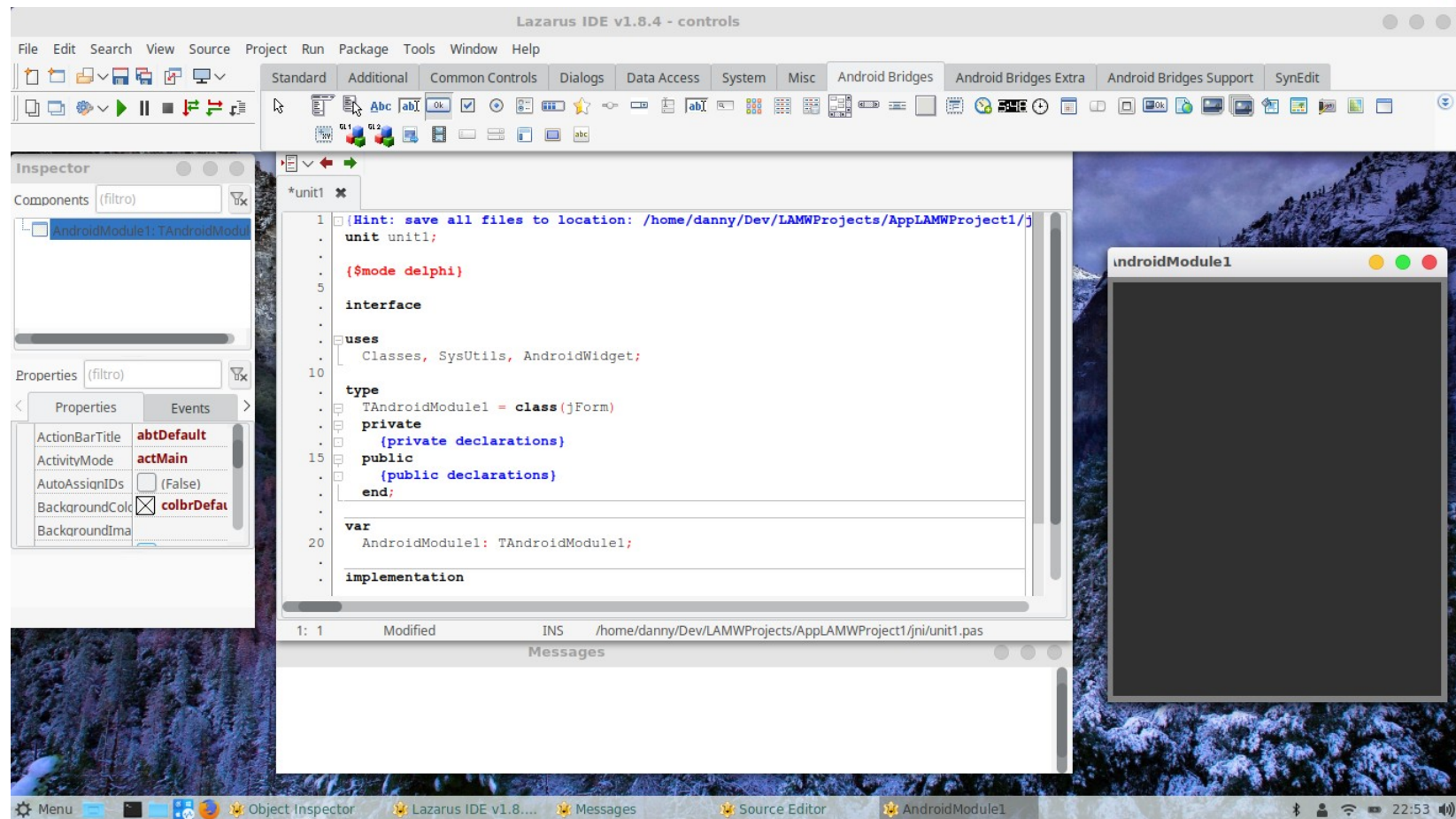
Answer the dialog box, whether or not you want to save the default project (application)



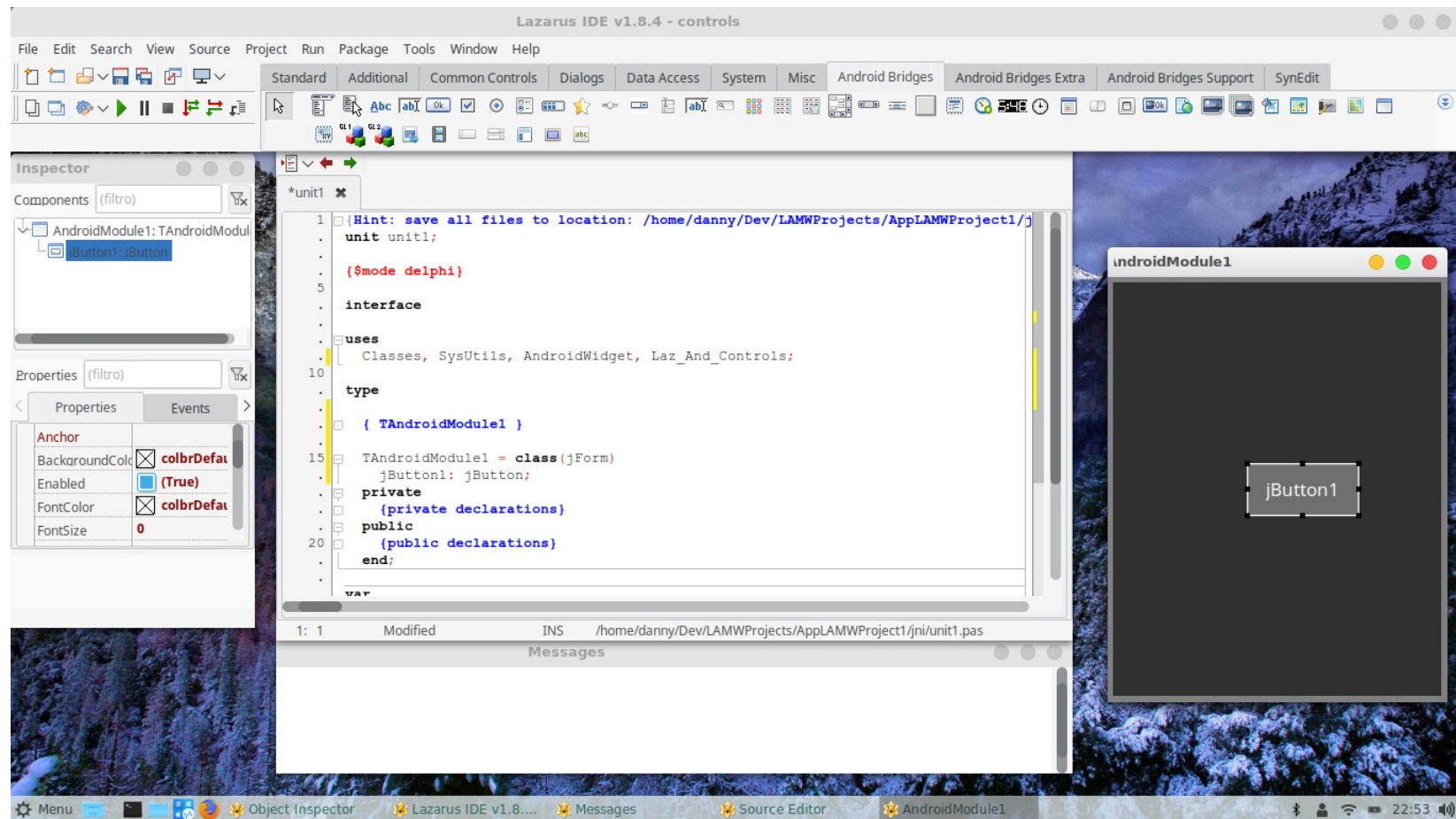
Saving the LAMW project



Standard LAMW design with form design

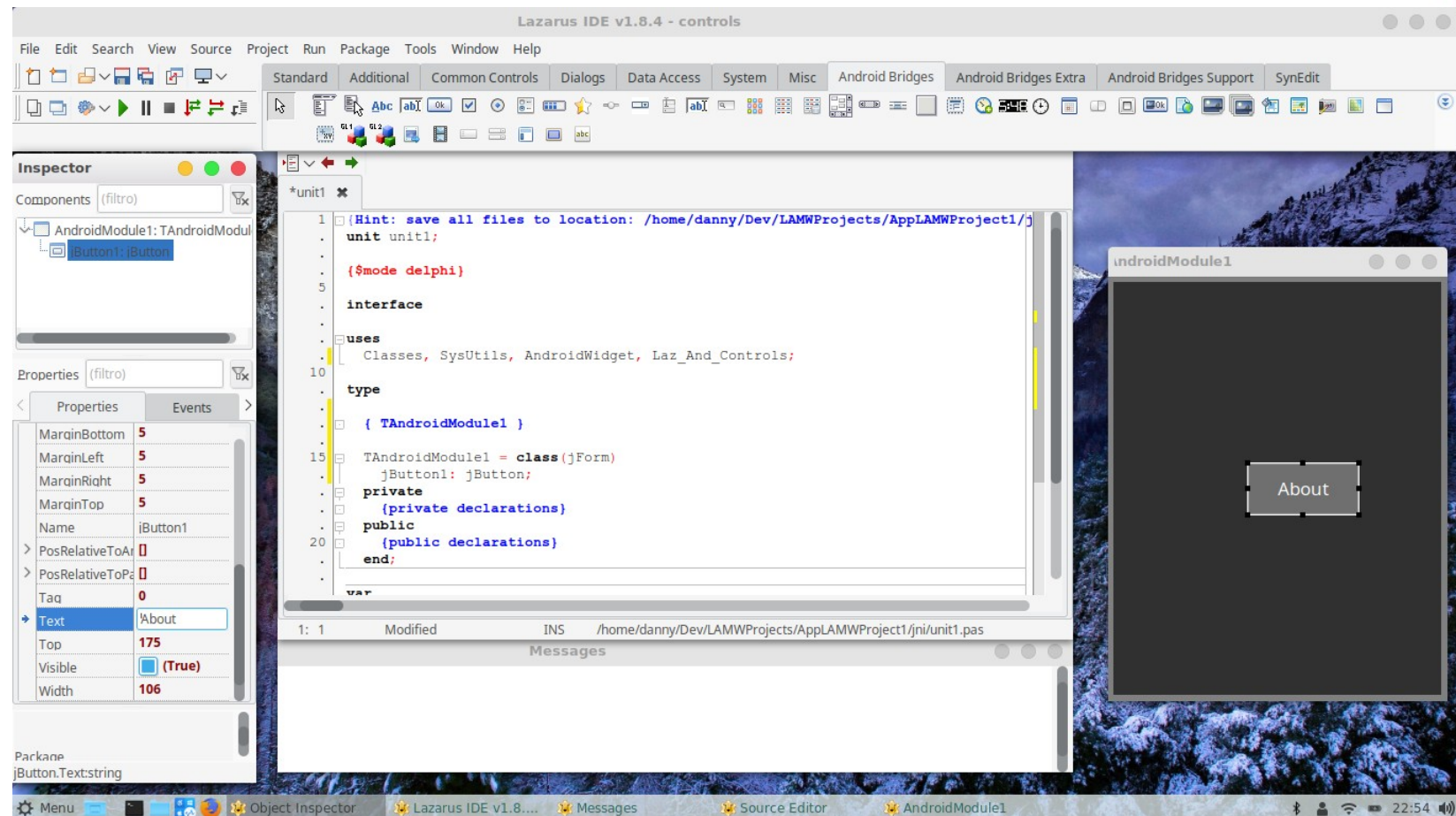


Adding a jbutton

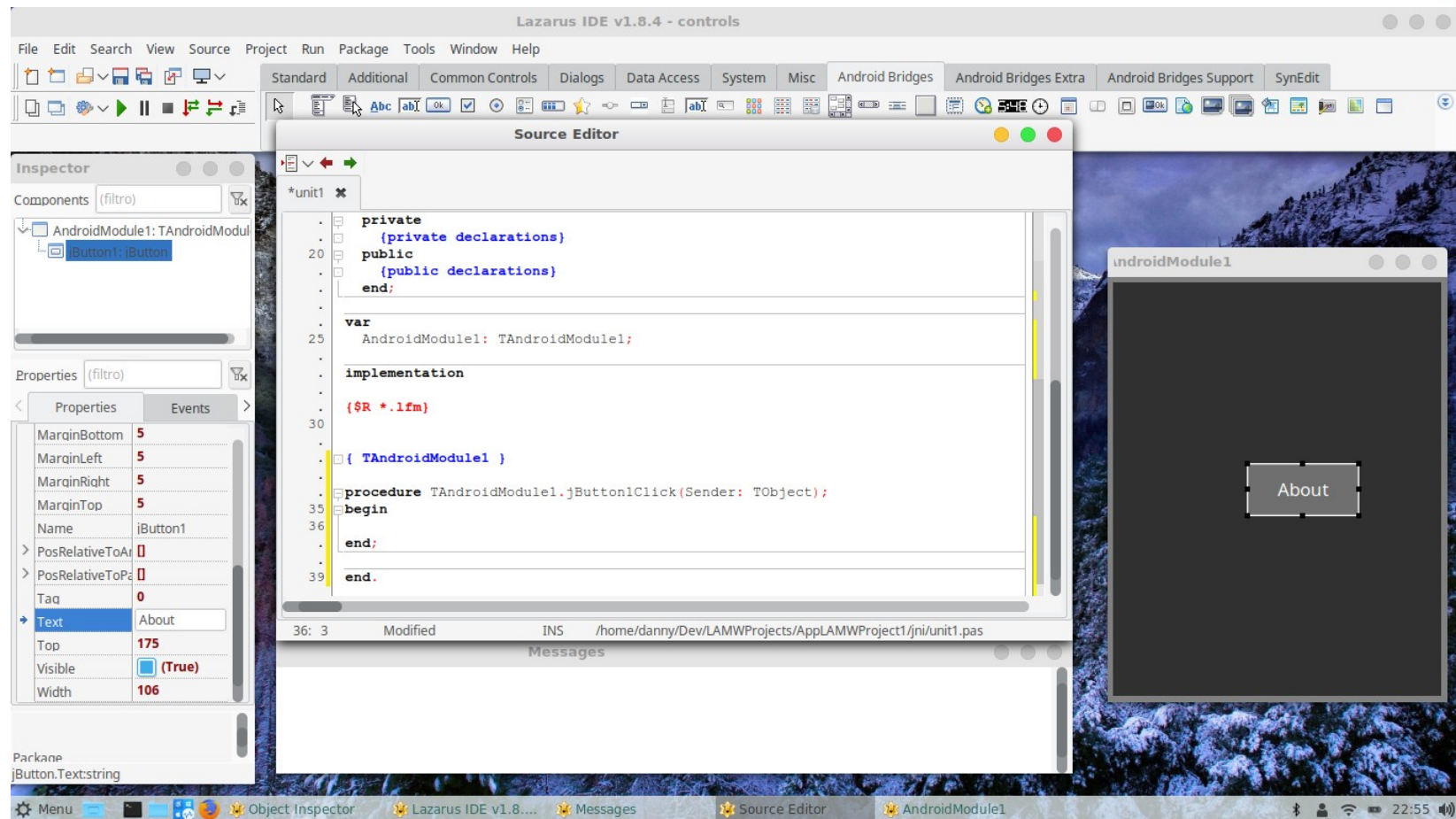


A yellow pencil and a pink eraser are positioned diagonally across a blue grid background. The pencil is sharp and pointed towards the bottom left. The eraser is rectangular and located towards the bottom right. The word "tion" is visible on the left side of the image.

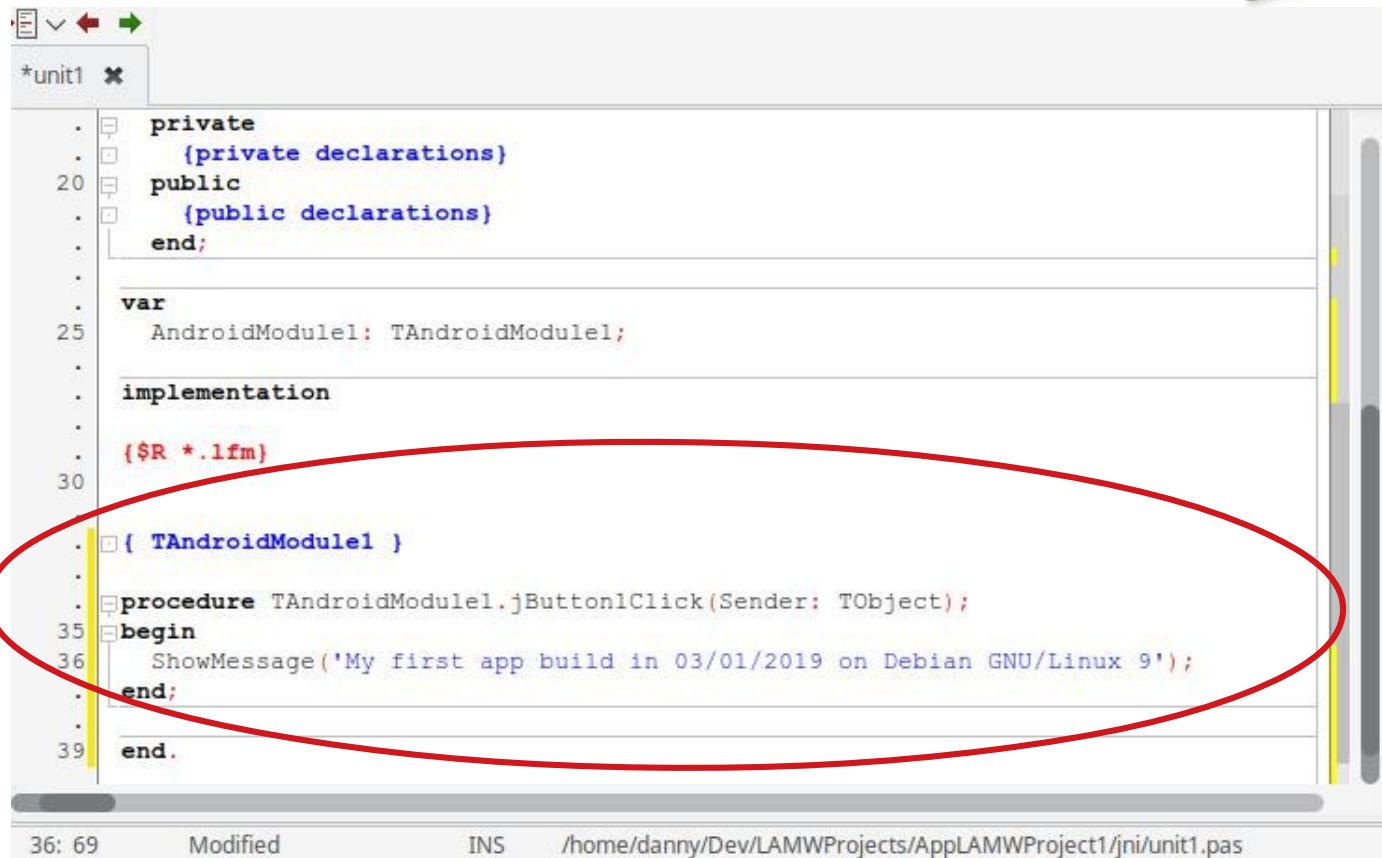
Renaming caption from 'button' to 'About'



caption of 'jbutton' button renamed to 'About'



Double-click About to access the OnClick event method



```
unit1
private
  {private declarations}
20 public
  {public declarations}
  end;

var
25   AndroidModule1: TAndroidModule1;

implementation

30   {$R *.lfm}

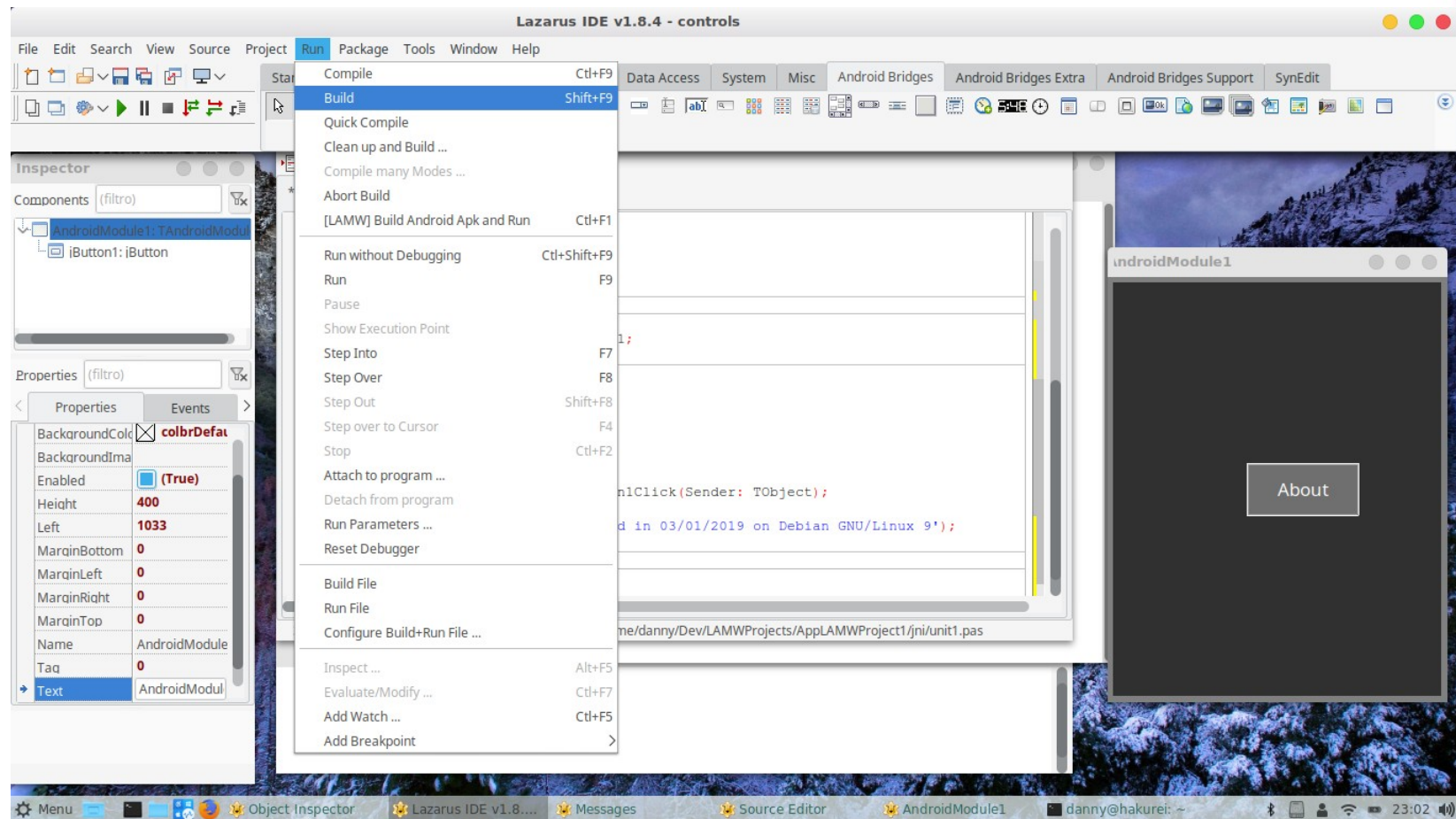
  { TAndroidModule1 }

  procedure TAndroidModule1.jButton1Click(Sender: TObject);
35  begin
36    ShowMessage('My first app build in 03/01/2019 on Debian GNU/Linux 9');
    end;

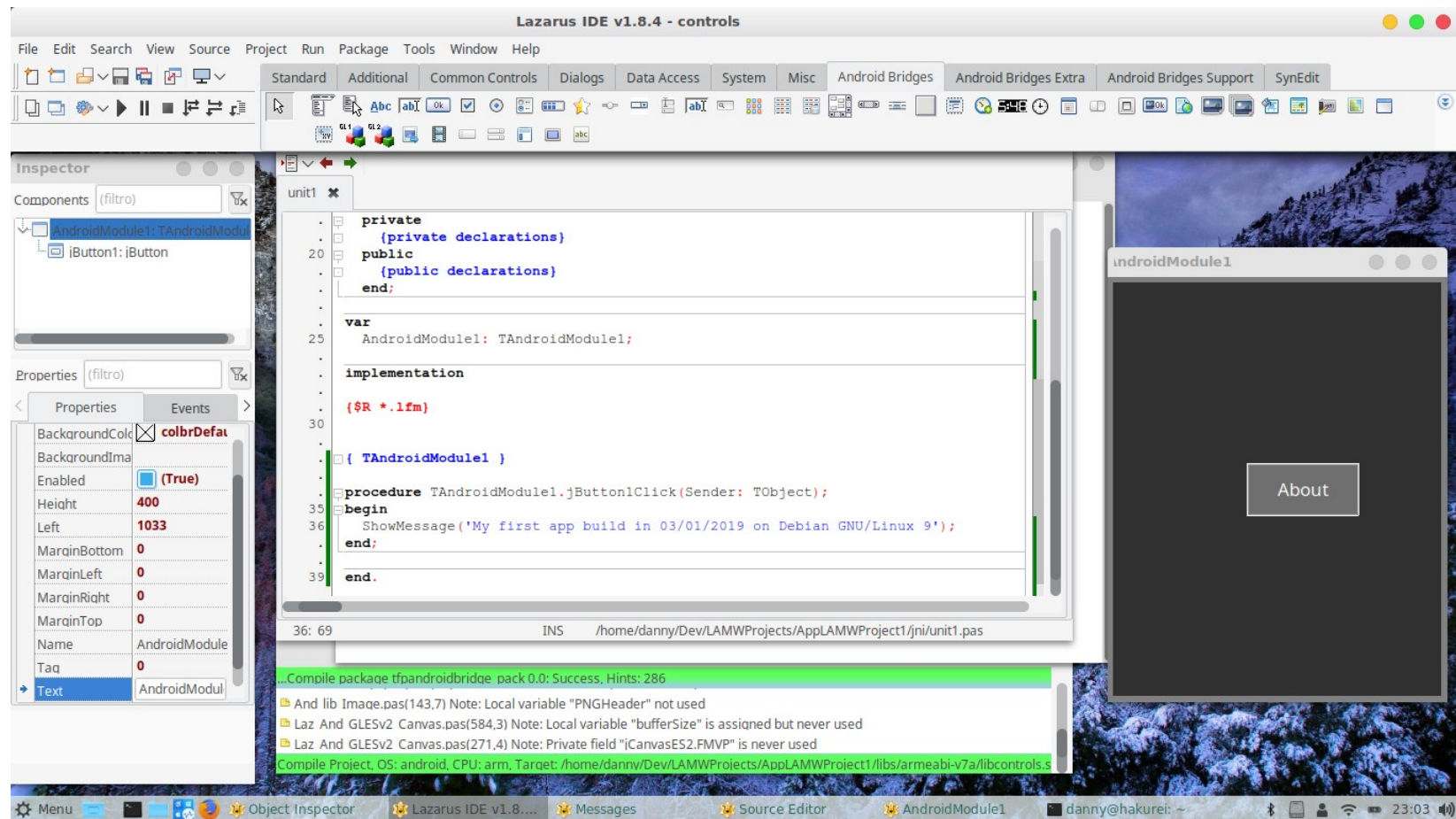
39  end.
```

36: 69 Modified INS /home/danny/Dev/LAMWProjects/AppLAMWProject1/jni/unit1.pas

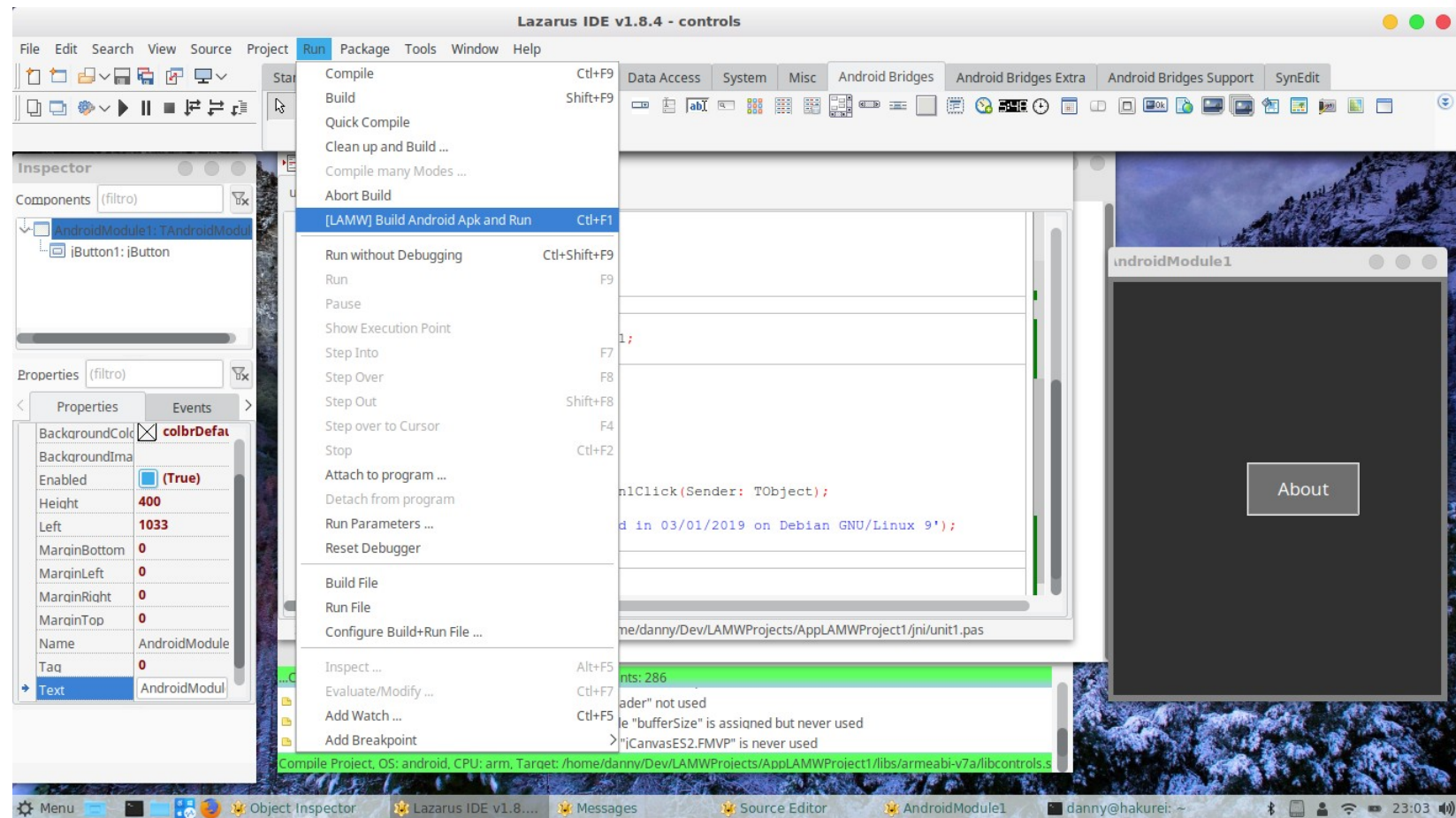
Compile the pascal code



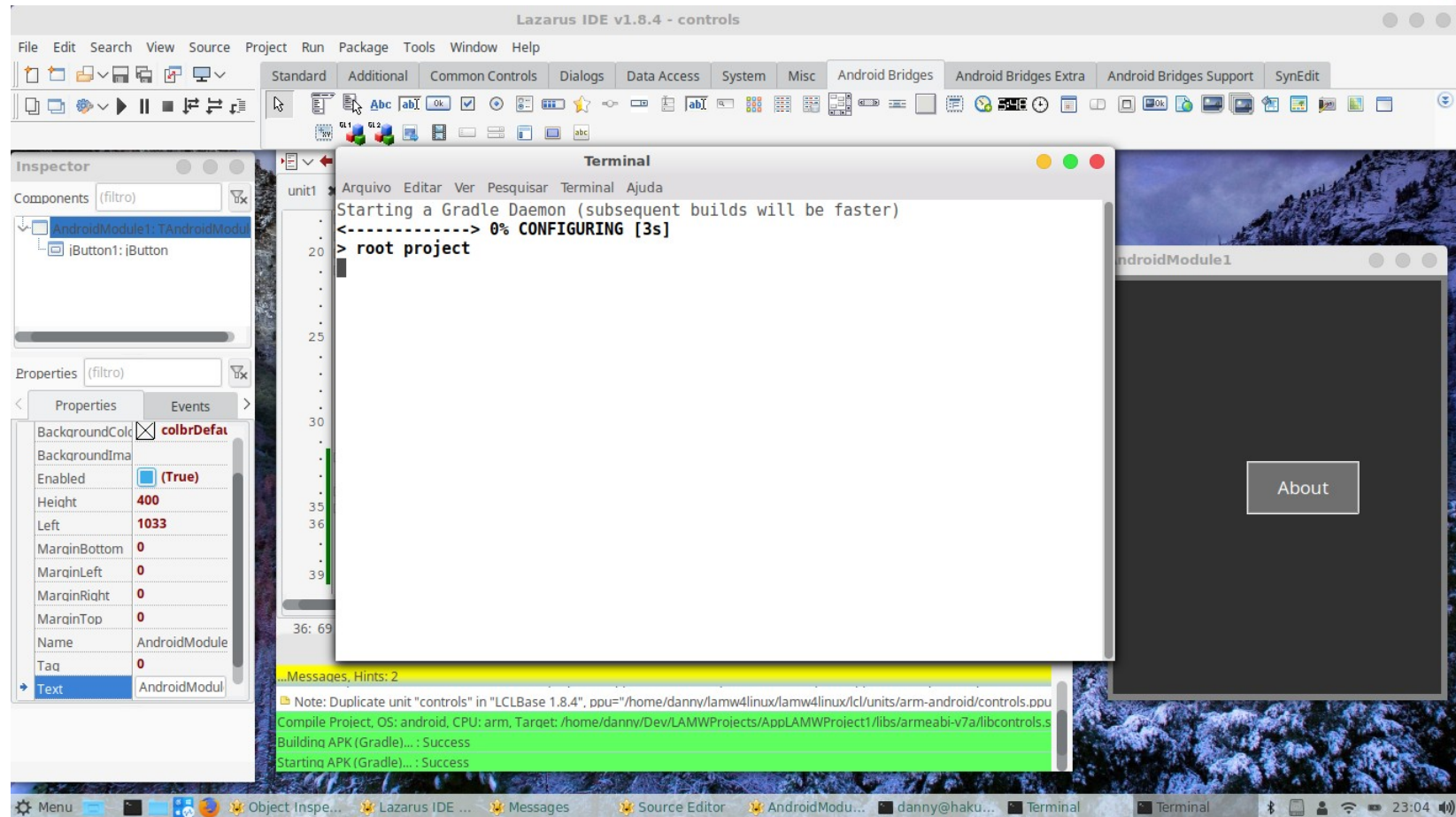
Pascal source code compiled successfully!



Compile the source code into an .apk and run



Compiling with Gradle



*Gradle requires internet connection

Gradle downloading dependencies

The screenshot displays the Lazarus IDE v1.8.4 interface with the 'controls' project. The 'Inspector' panel on the left shows the 'AndroidModule1: TAndroidModule' component. The 'Terminal' window in the center shows the output of the 'Configure project' command, which includes downloading dependencies from the Gradle repository. The 'Messages' panel at the bottom shows the build progress, including the compilation of the project and the successful building of the APK.

Inspector Panel:

- Components: (filtro)
- AndroidModule1: TAndroidModule
 - iButton1: iButton
- Properties: (filtro)
- Properties
 - BackgroundCol: ☒ colbrDefau
 - BackgroundDma:
 - Enabled: ☒ (True)
 - Height: 400
 - Left: 1033
 - MarginBottom: 0
 - MarginLeft: 0
 - MarginRight: 0
 - MarginTop: 0
 - Name: AndroidModule
 - Tag: 0
 - Text: AndroidModul

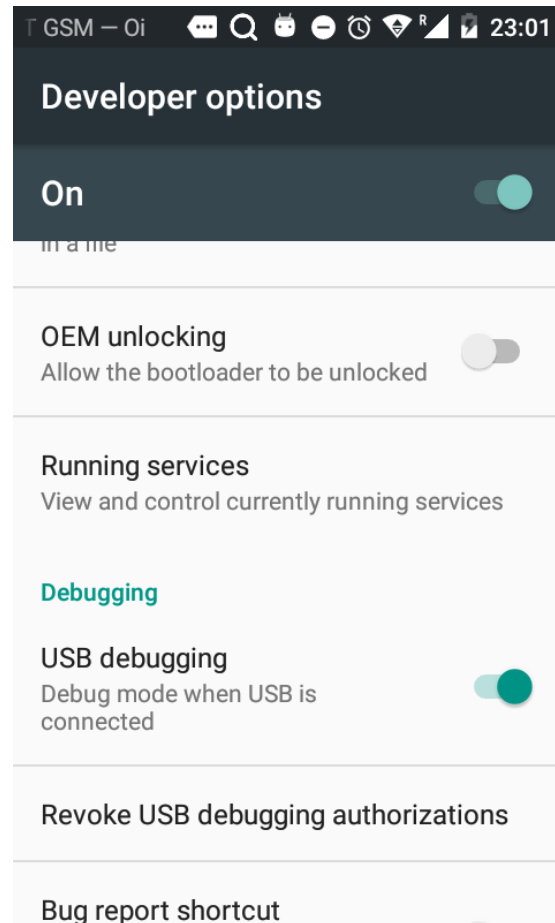
Terminal Window:

```
> Configure project :
20 Resource missing. [HTTP HEAD: https://jcenter.bintray.com/com/android/tools/build/manifest-merger/26.0.1/manifest-merger-26.0.1.jar]
Resource missing. [HTTP GET: https://jcenter.bintray.com/com/android/tools/analytics-library/tracker/26.0.1/tracker-26.0.1.pom]
25 Resource missing. [HTTP GET: https://jcenter.bintray.com/com/android/tools/build/apksig/3.0.1/apksig-3.0.1.pom]
Resource missing. [HTTP GET: https://jcenter.bintray.com/com/android/tools/common/26.0.1/common-26.0.1.pom]
Resource missing. [HTTP HEAD: https://jcenter.bintray.com/com/android/tools/analytics-library/tracker/26.0.1/tracker-26.0.1.jar]
30
Download https://dl.google.com/dl/android/maven2/com/android/tools/analytics-library/tracker/26.0.1/tracker-26.0.1.pom
35 Download https://dl.google.com/dl/android/maven2/com/android/tools/common/26.0.1/common-26.0.1.pom
36
<-----> 0% CONFIGURING [31s]
> root project > Resolve dependencies of :classpath > lint-checks-26.0.1.pom
39 > IDLE
> ecj-4.6.1.pom
> IDLE
36: 69 > IDLE
```

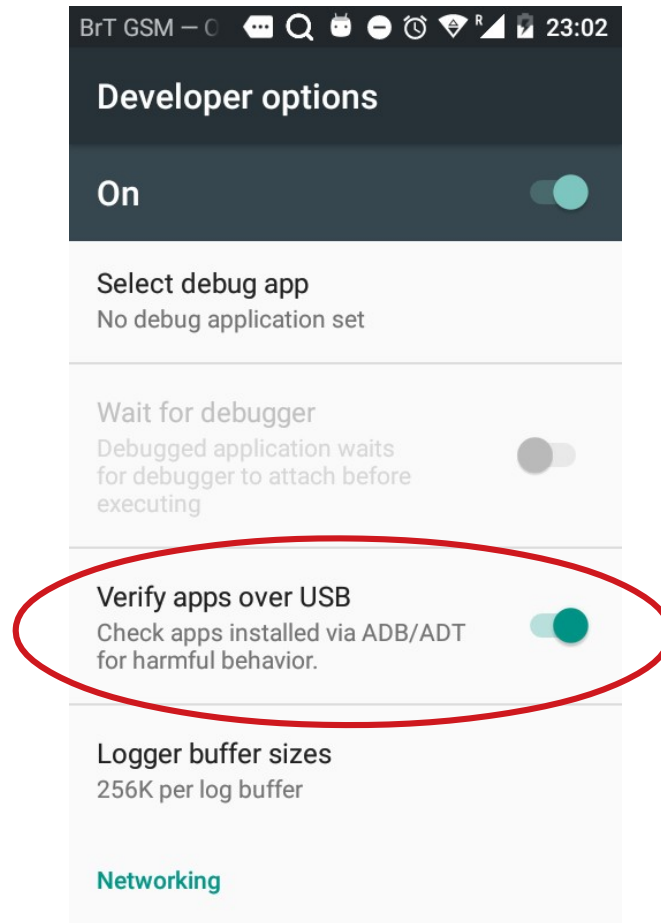
Messages Panel:

```
...Messages, Hints: 2
Note: Duplicate unit "controls" in "LCLBase 1.8.4", ppu="/home/danny/lamw4linux/lamw4linux/lcl/units/arm-android/controls.ppu
Compile Project, OS: android, CPU: arm, Target: /home/danny/Dev/LAMWProjects/AppLAMWProject1/libs/armabi-v7a/libcontrols.s
Building APK (Gradle)... : Success
Starting APK (Gradle)... : Success
```

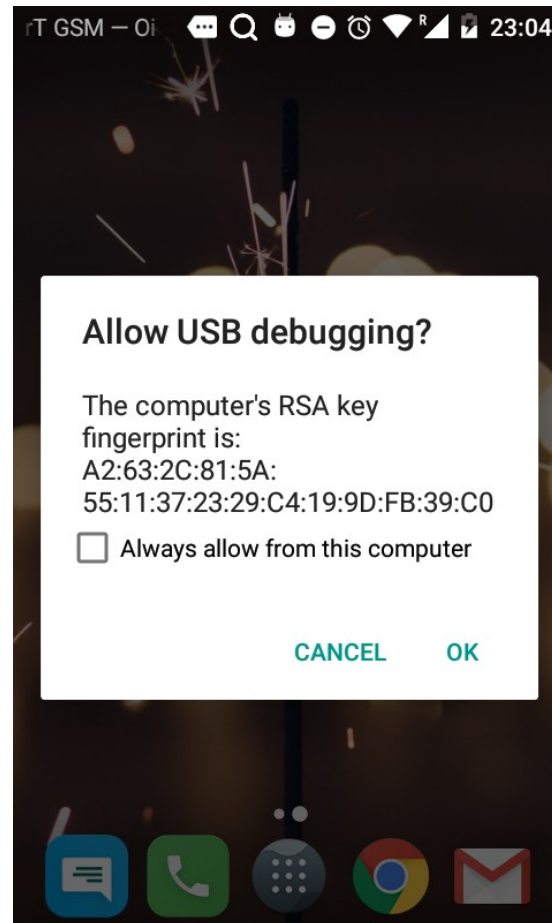
Search for USB Debugging on your smartphone and enable!



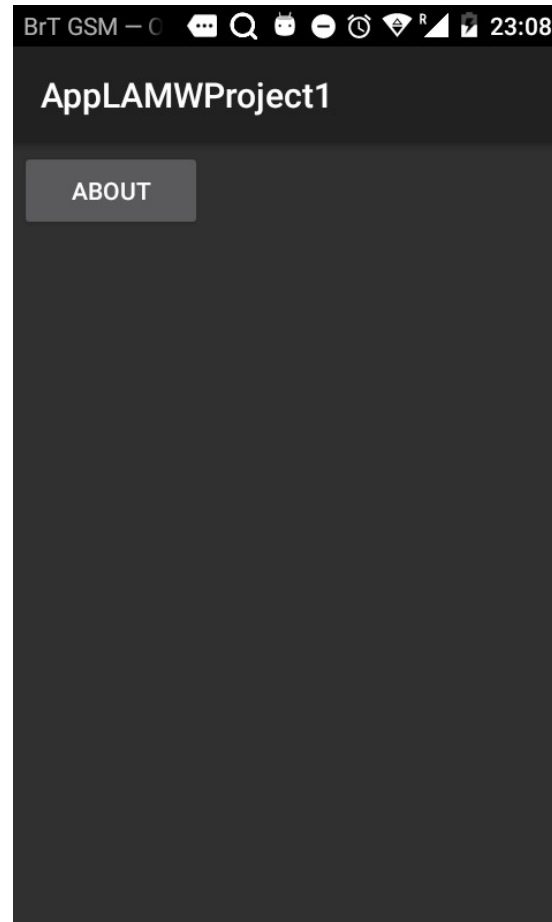
Check the highlighted option in red!



Connect your phone to the computer and Accept USB debugging!



Application installed and running on your phone



Click the button and check the message in the click event!

