OpenMPTraining with Eclipse: Installation Instructions on Windows

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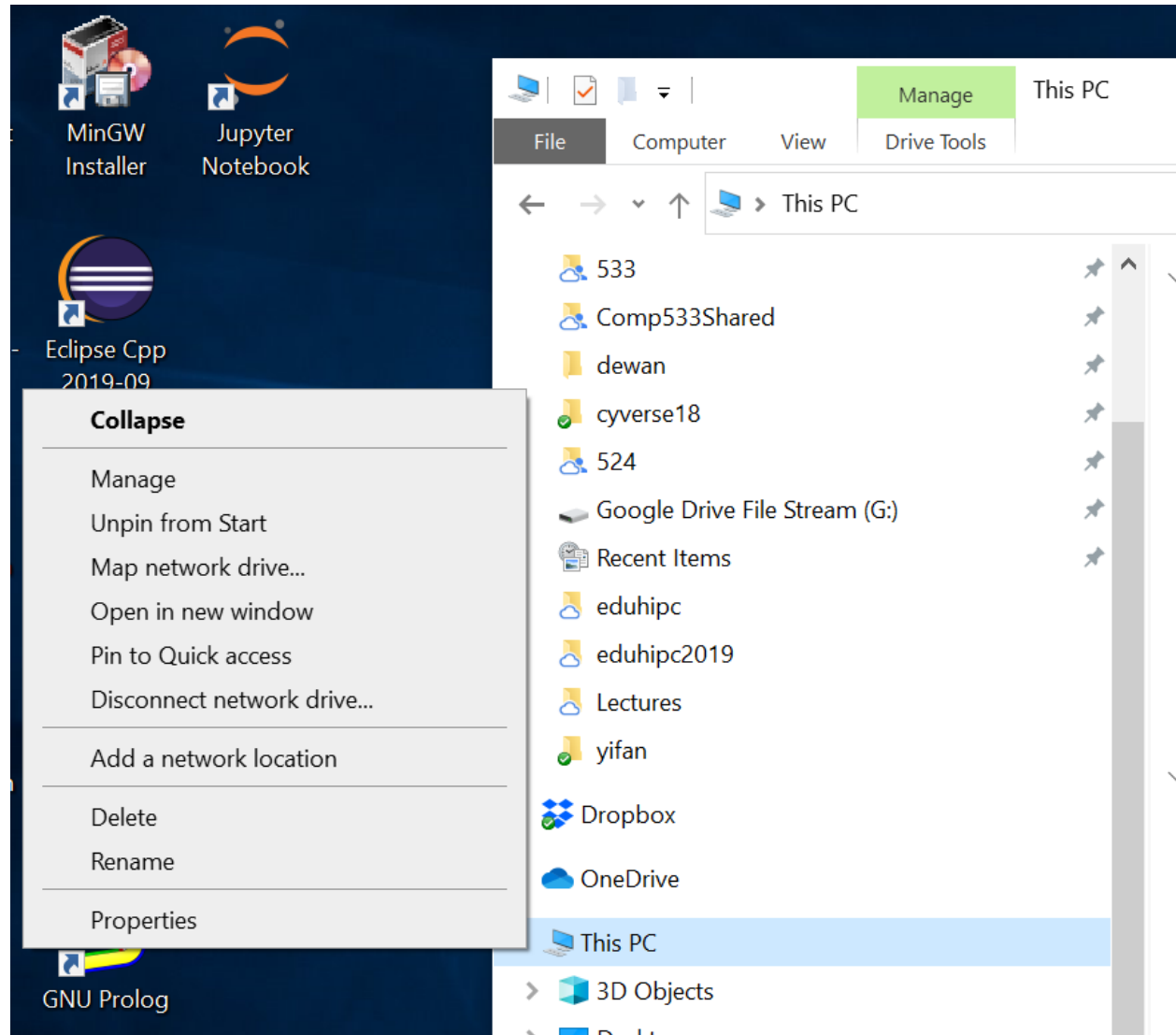
Install TDM-GCC

- Download the TDM-GCC zip and extract it.

- In the examples below, we will assume it is extracted into: C:\TDM-GCC-64

- Keep the location of bin sub folder of the extracted folder.
  - In the examples below we will assume it is: **C:\TDM-GCC-64\bin**
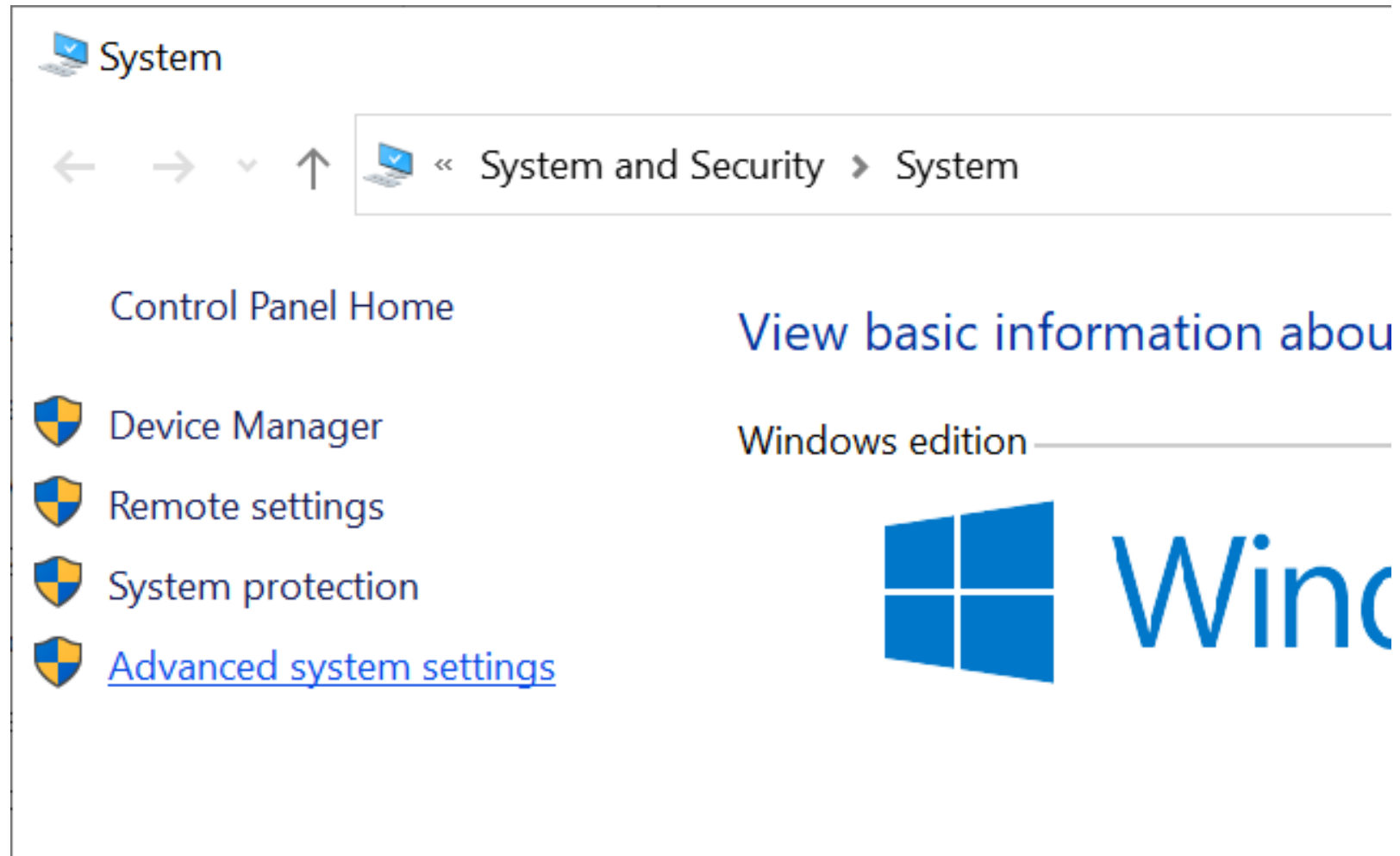
This PC > Windows (C:) > TDM-GCC-64 > bin

	Name	Date m
	addr2line.exe	6/25/2
	ar.exe	6/25/2
ile Stream (G:)	as.exe	6/25/2
	c++.exe	6/28/2
	c++filt.exe	6/25/2
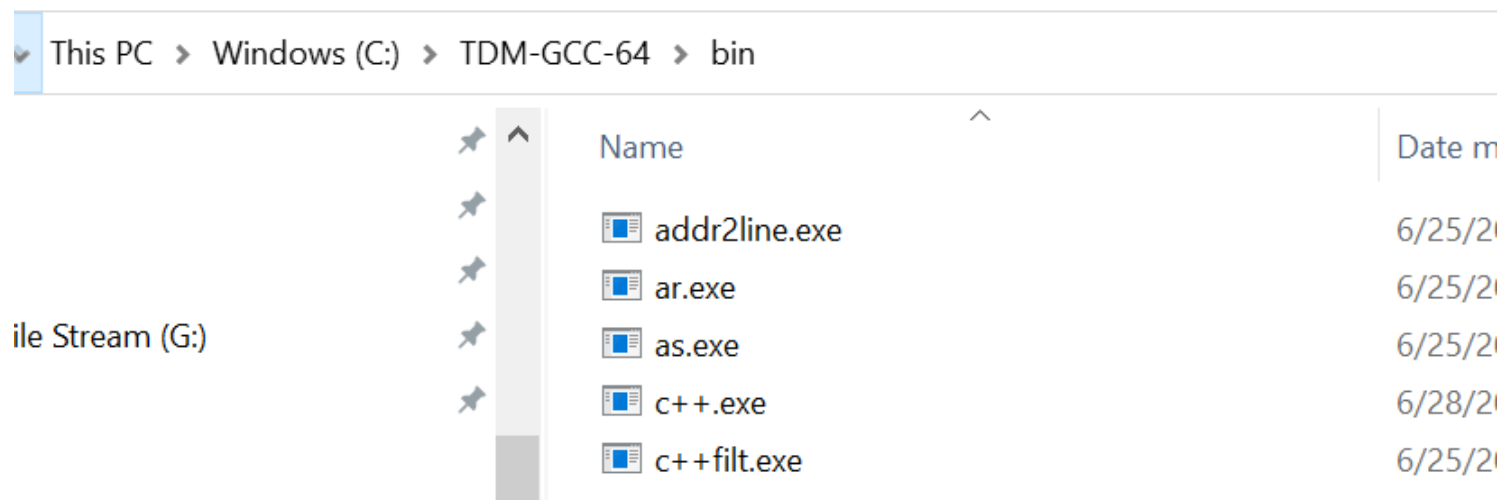
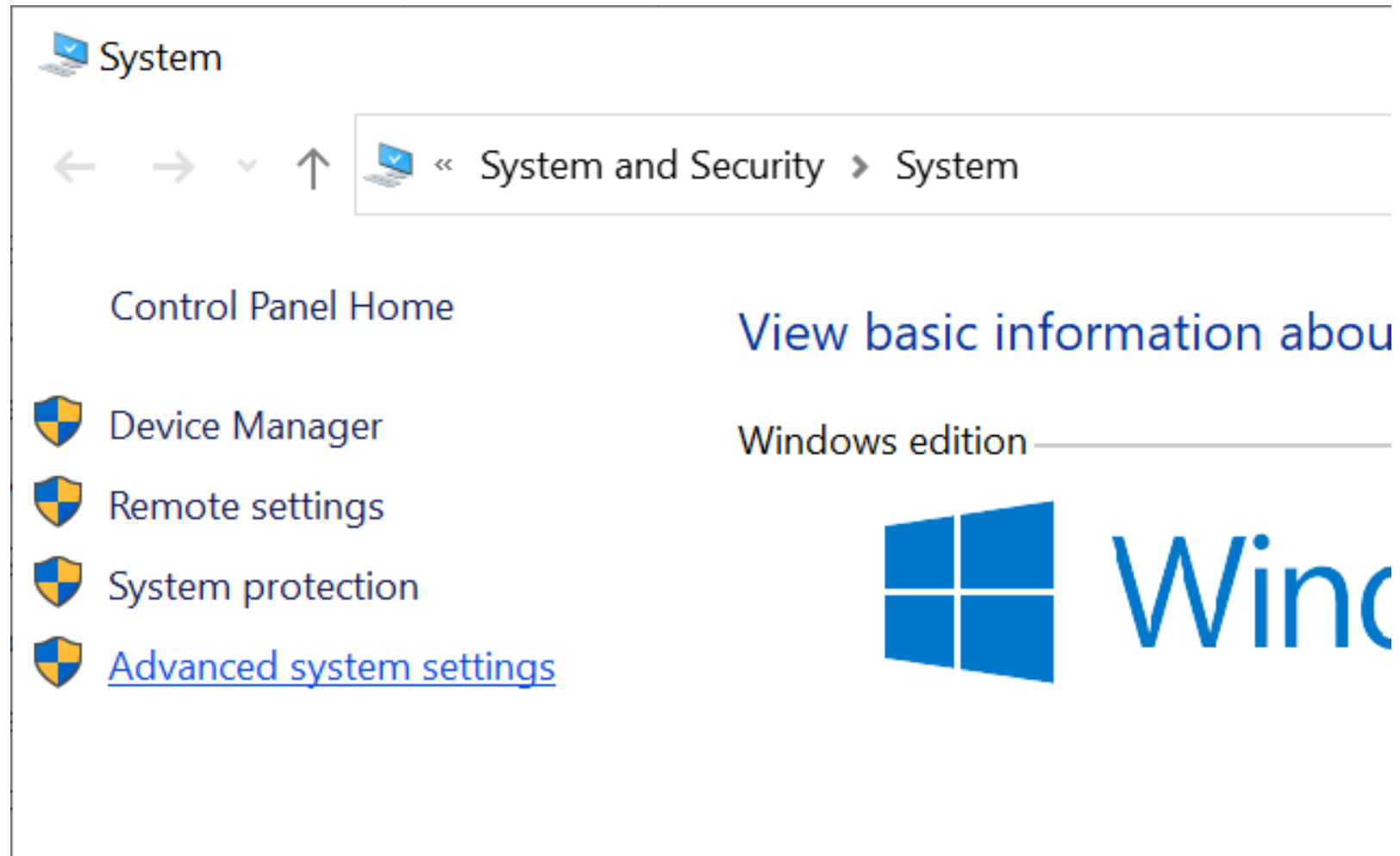# Change Path: This PC→Properties (Right Click)
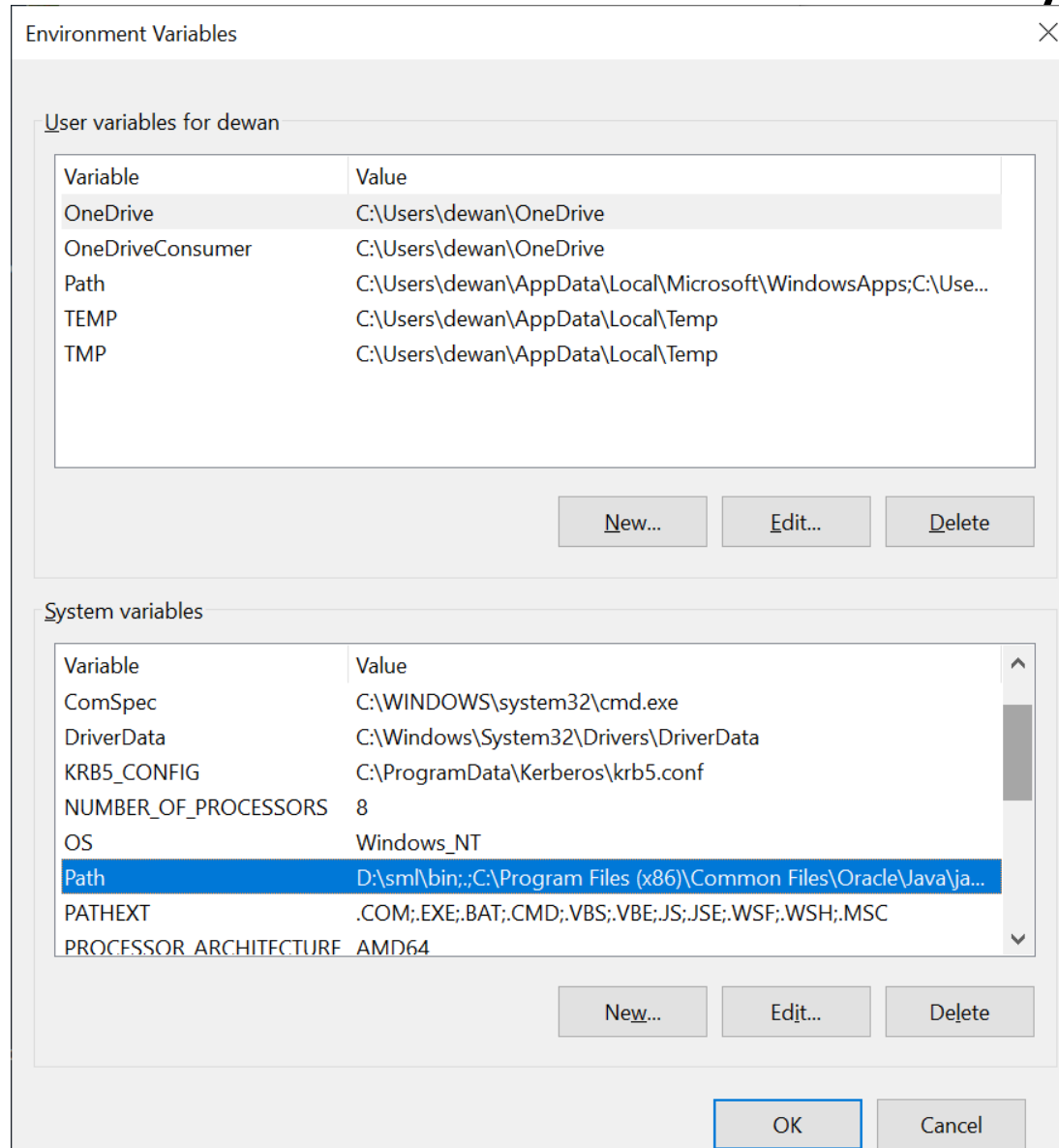
Change Path: Go to Advanced System Settings
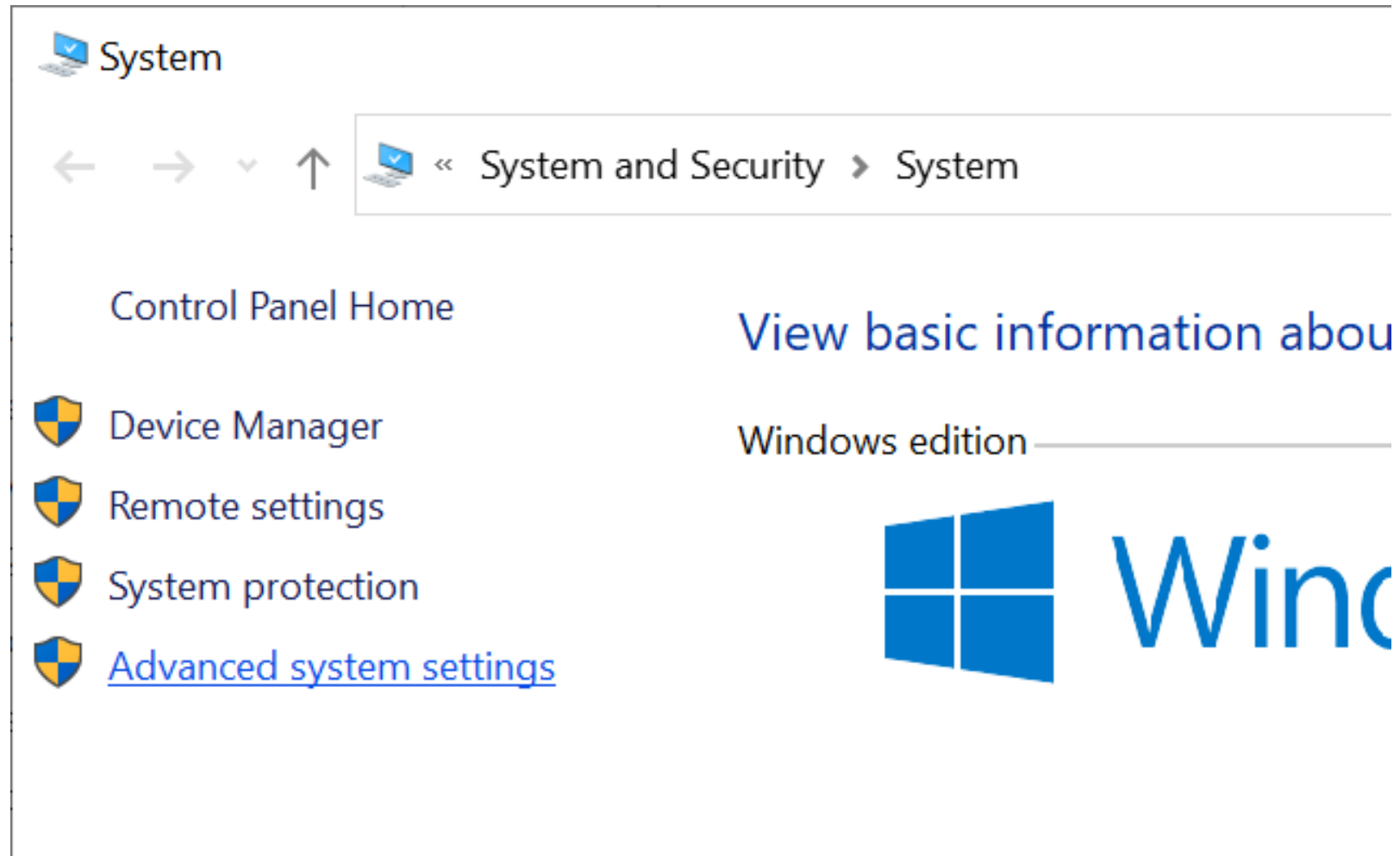
Change Path: Go to Environment Variables

Change Path: Go to Environment Variables

Change Path: Select Path in System Variables
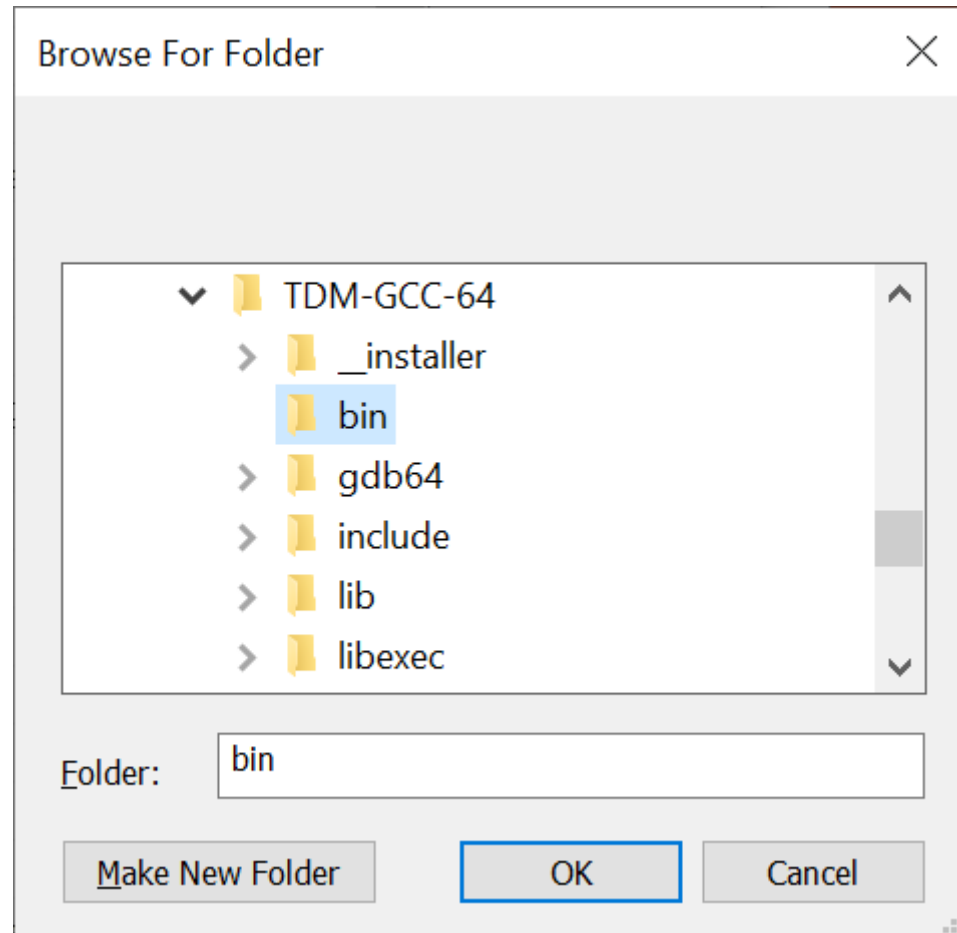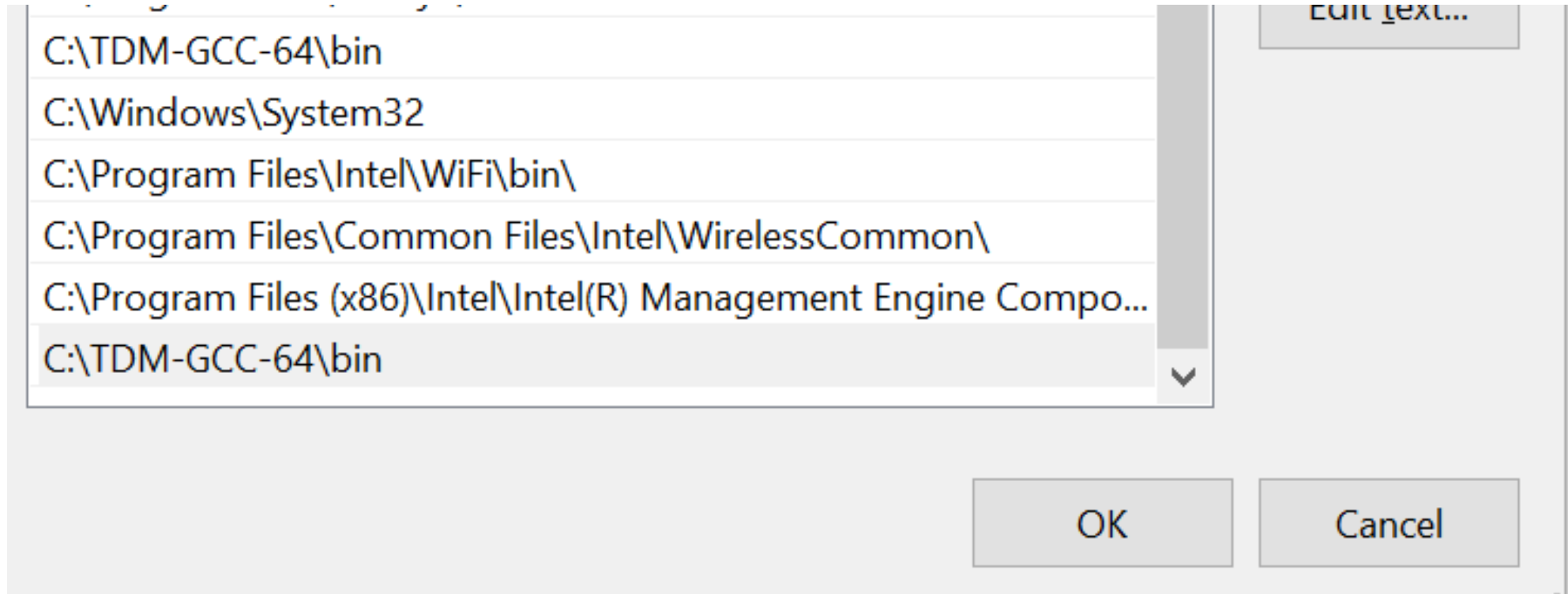
Change Path: Select Path and Execute Edit

Change Path: Execute Browse
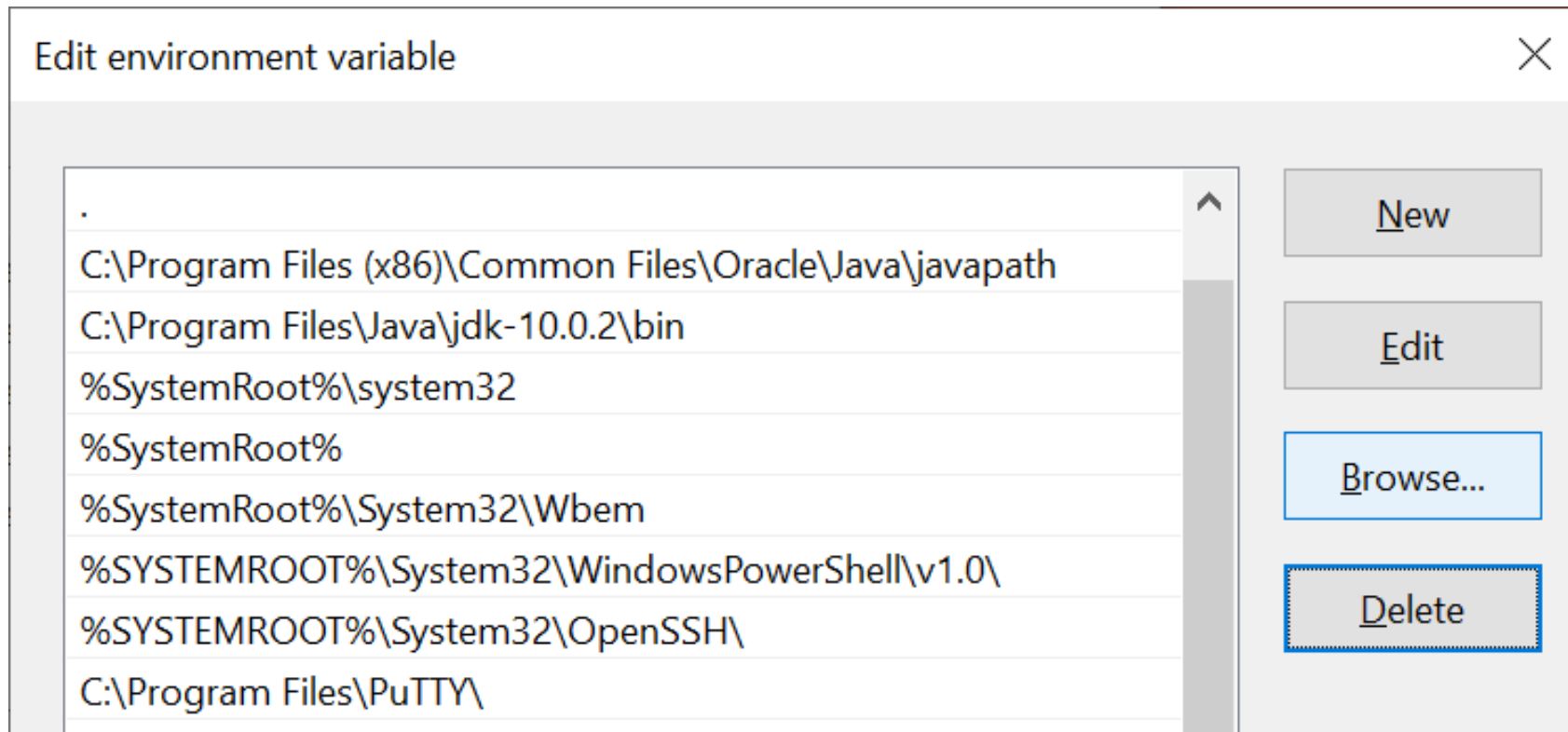
Change Path: Select the bin directory

Change Path: The directory should appear at the bottom

C:\TDM-GCC-64\bin

C:\Windows\System32

C:\Program Files\Intel\WiFi\bin\

C:\Program Files\Common Files\Intel\WirelessCommon\

C:\Program Files (x86)\Intel\Intel(R) Management Engine Compo...

C:\TDM-GCC-64\bin

Edit text...

OK   Cancel

Change Path: Press OK and then Apply

Eclipse C++ Support

If you already have Eclipse

- Choose Help→Eclipse MarketPlace
- Find: CDT
- Choose the following and press Install and then restart Eclipse

Eclipse C/C++ IDE CDT 9.4 (Oxygen.2)

Eclipse CDT (C/C++ Development Tooling) http://eclipse.org/cdt/ is top level p
Eclipse Foundation. Get it as standalone Eclipse IDE for C/C++ Developers... r

by Eclipse CDT, EPL

c c++ CDT fileExtension_c fileExtension_cpp ...

★ 176   Installs: **186K** (2,456 last month)

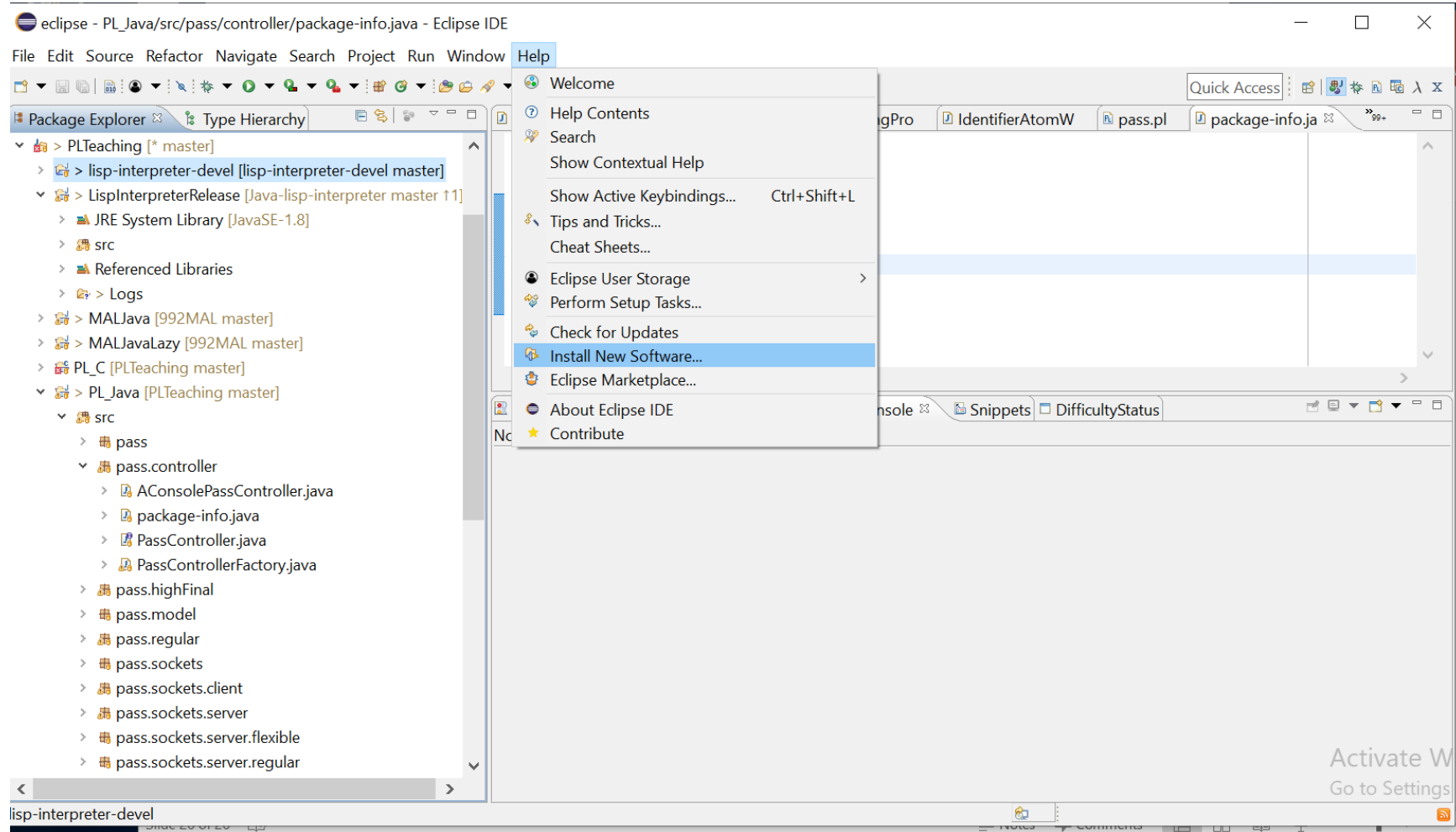# If you already do not have Eclipse

- Search for Eclipse C++ download
- Download the windows installer for 64 bt
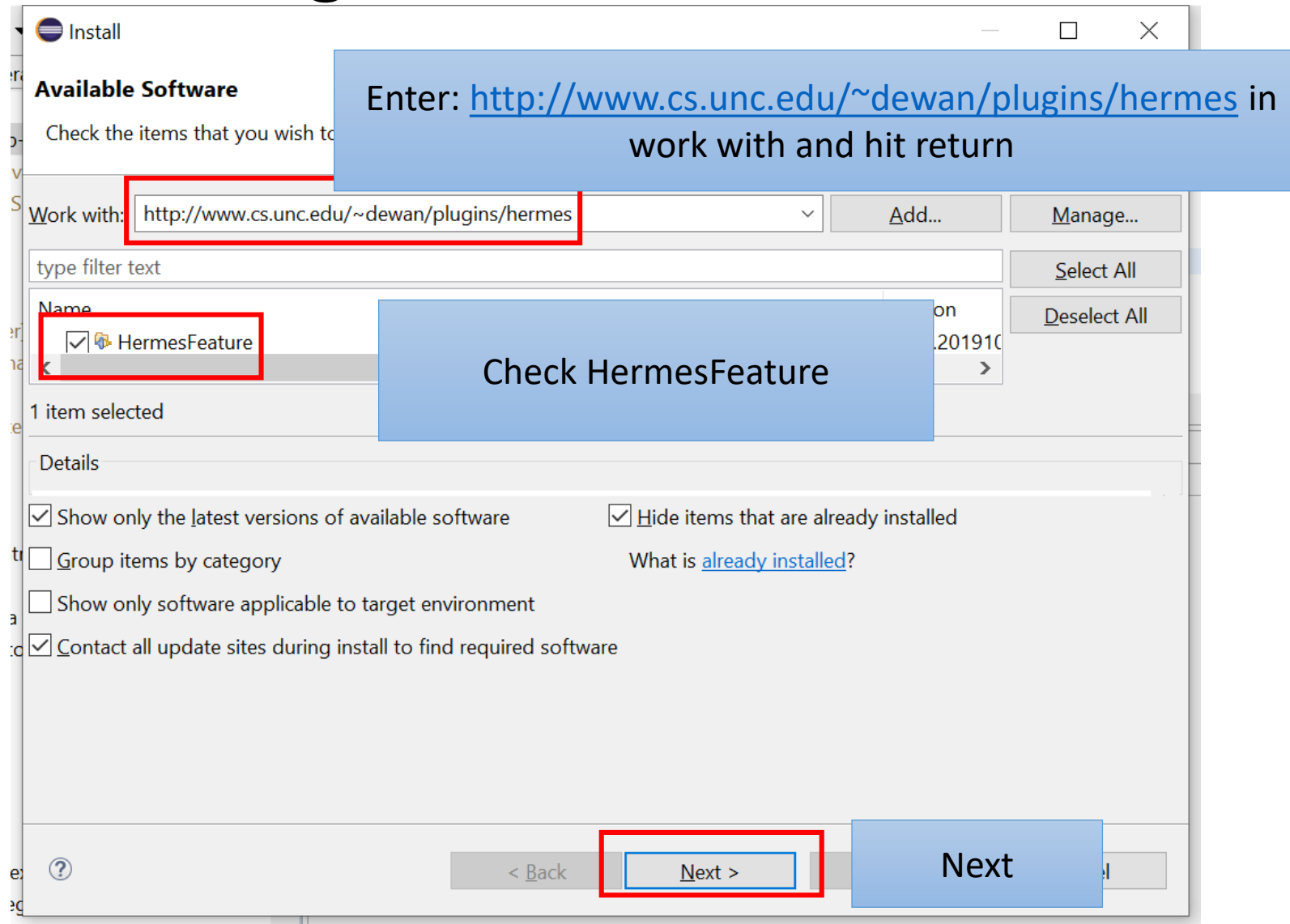- Choose C++ when installing

Installing Logging Plug-in

A plug-in can possibly misbehave/slow you down
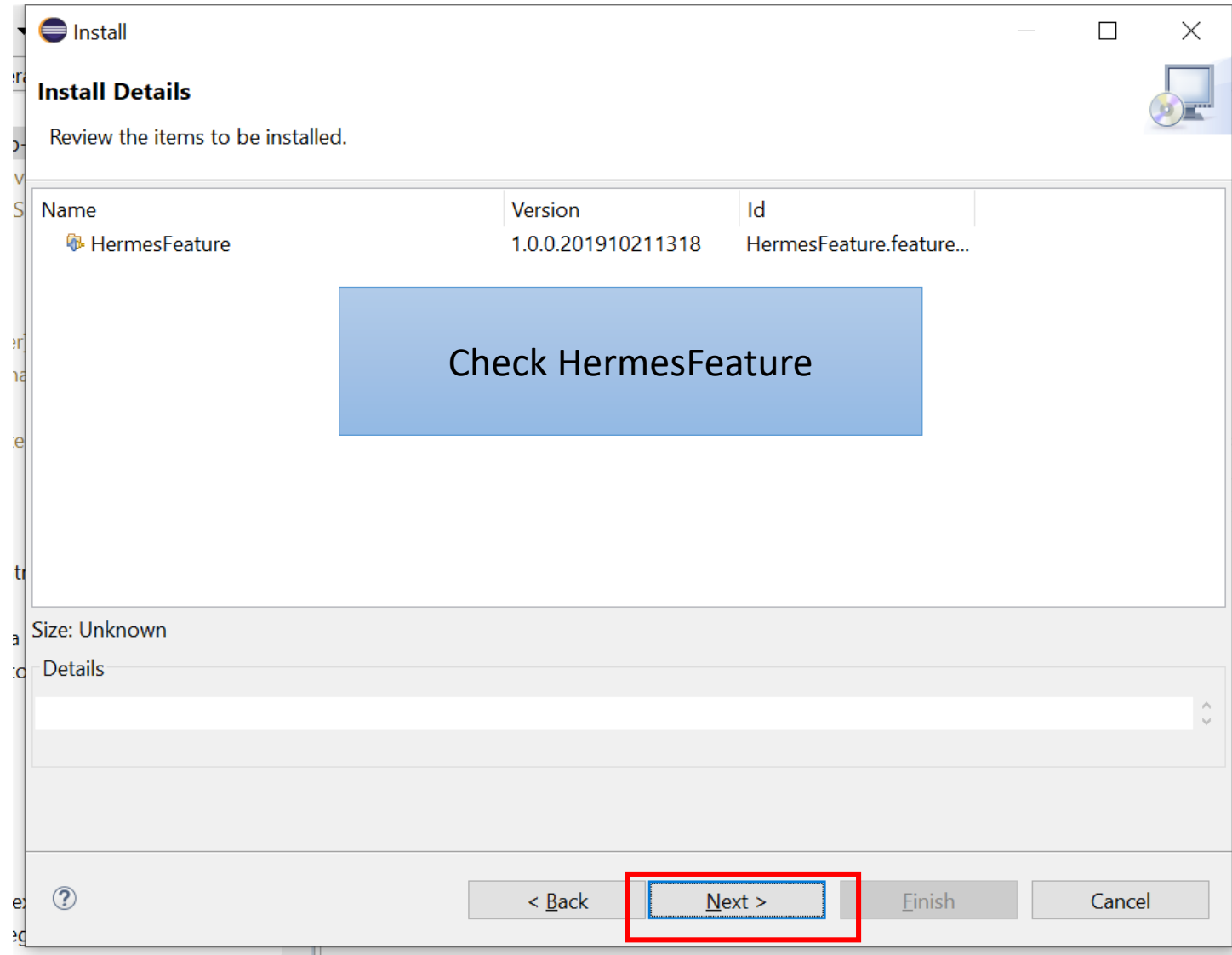
We show you both how to install it and uninstall it

Help→Install New Software

Hermes Plug-in Site and Check Hermes:

Install

Available Software

Check the items that you wish to

Enter: http://www.cs.unc.edu/~dewan/plugins/hermes in work with and hit return

Work with: http://www.cs.unc.edu/~dewan/plugins/hermes   Add...   Manage...

type filter text   Select All

Name   on   Deselect All

☑ HermesFeature   .201910

Check HermesFeature

1 item selected

Details

☑ Show only the latest versions of available software   ☑ Hide items that are already installed

☐ Group items by category   What is already installed?

☐ Show only software applicable to target environment

☑ Contact all update sites during install to find required software

< Back   Next >   Next

Confirm

Accept License

Install

Review Licenses

Licenses must be reviewed and accepted before the software can be installed.

License text (for HermesFeature 1.0.0.201910211318):

[Enter License Description here.]

License is empty now, but may add text

🔘 I accept the terms of the license agreement
⚪ I do not accept the terms of the license agreement

< Back   Next >   Finish   Cancel

Trust Us
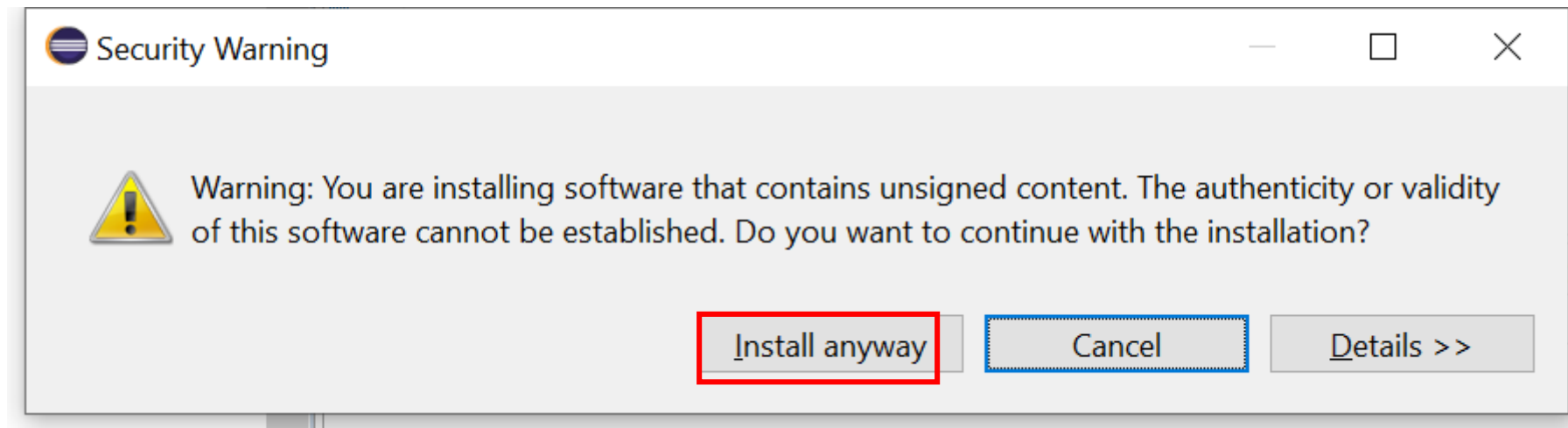
Restart Eclipse
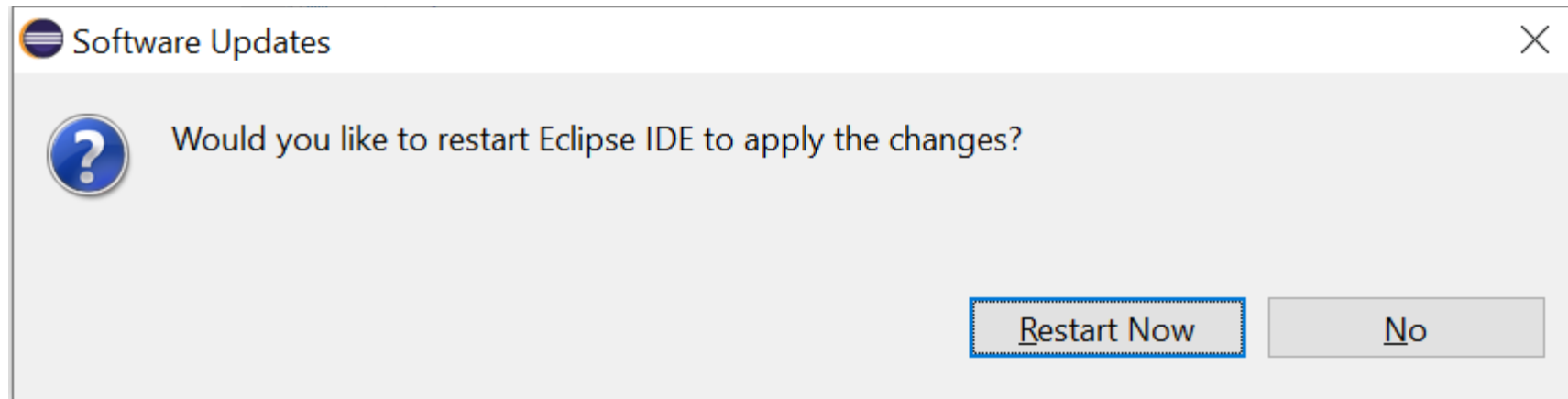
Logs
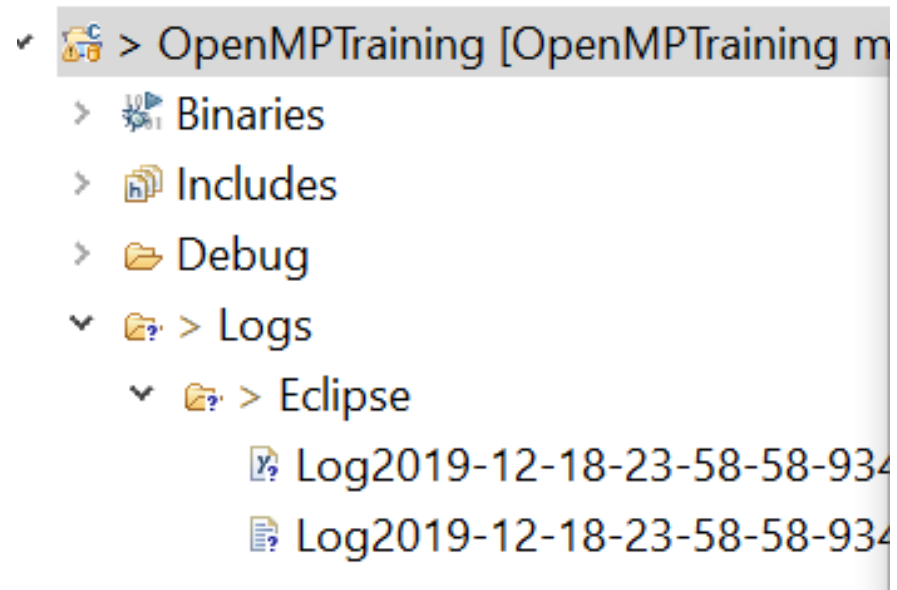
After some interaction, refreshing the project will show you the logs folder

Import Git Project:
ExecuteFile→Import→Git→Projects from GIT
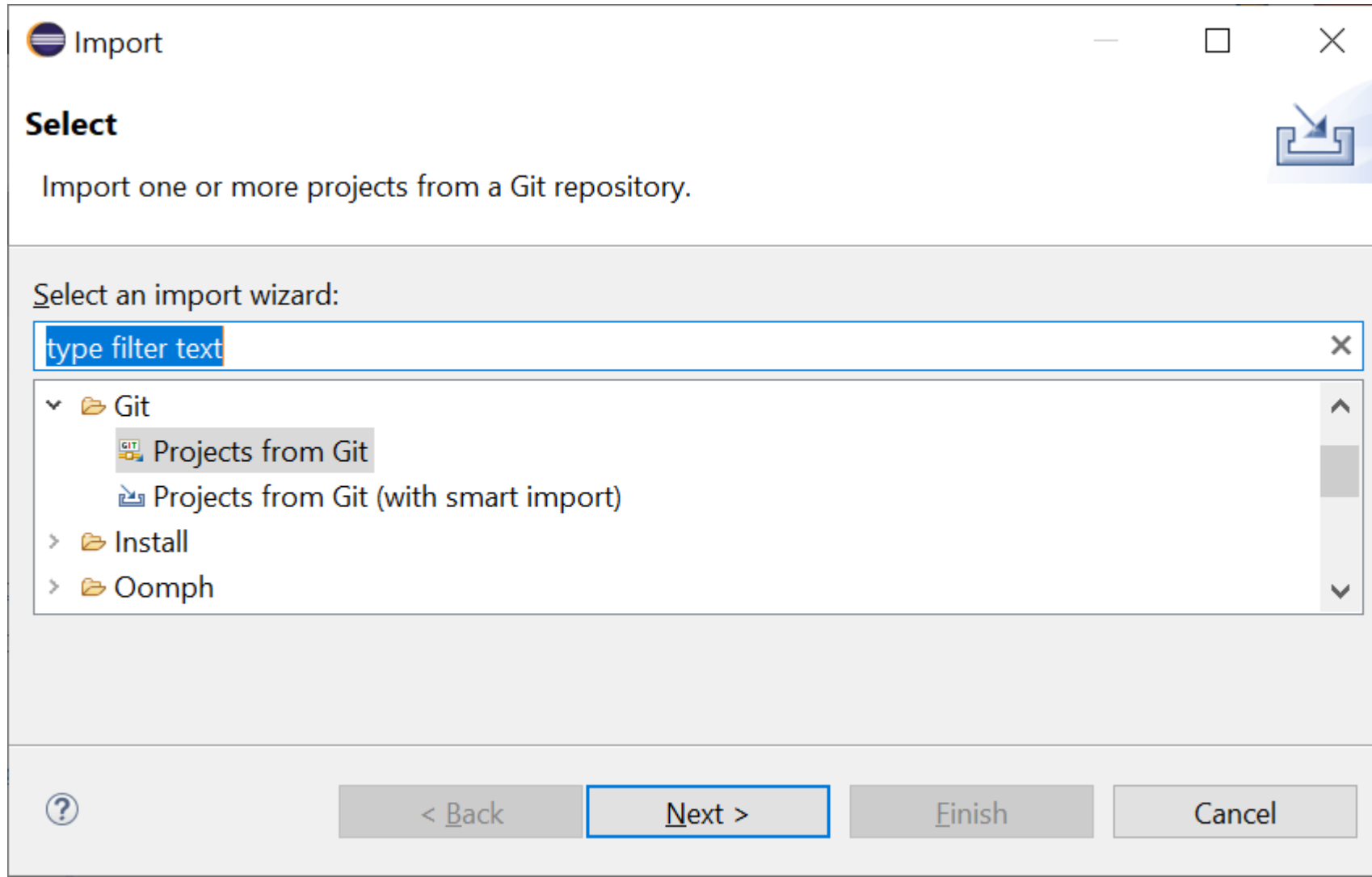
Import Git Project: CloneURI

Import Git Project: CloneURI
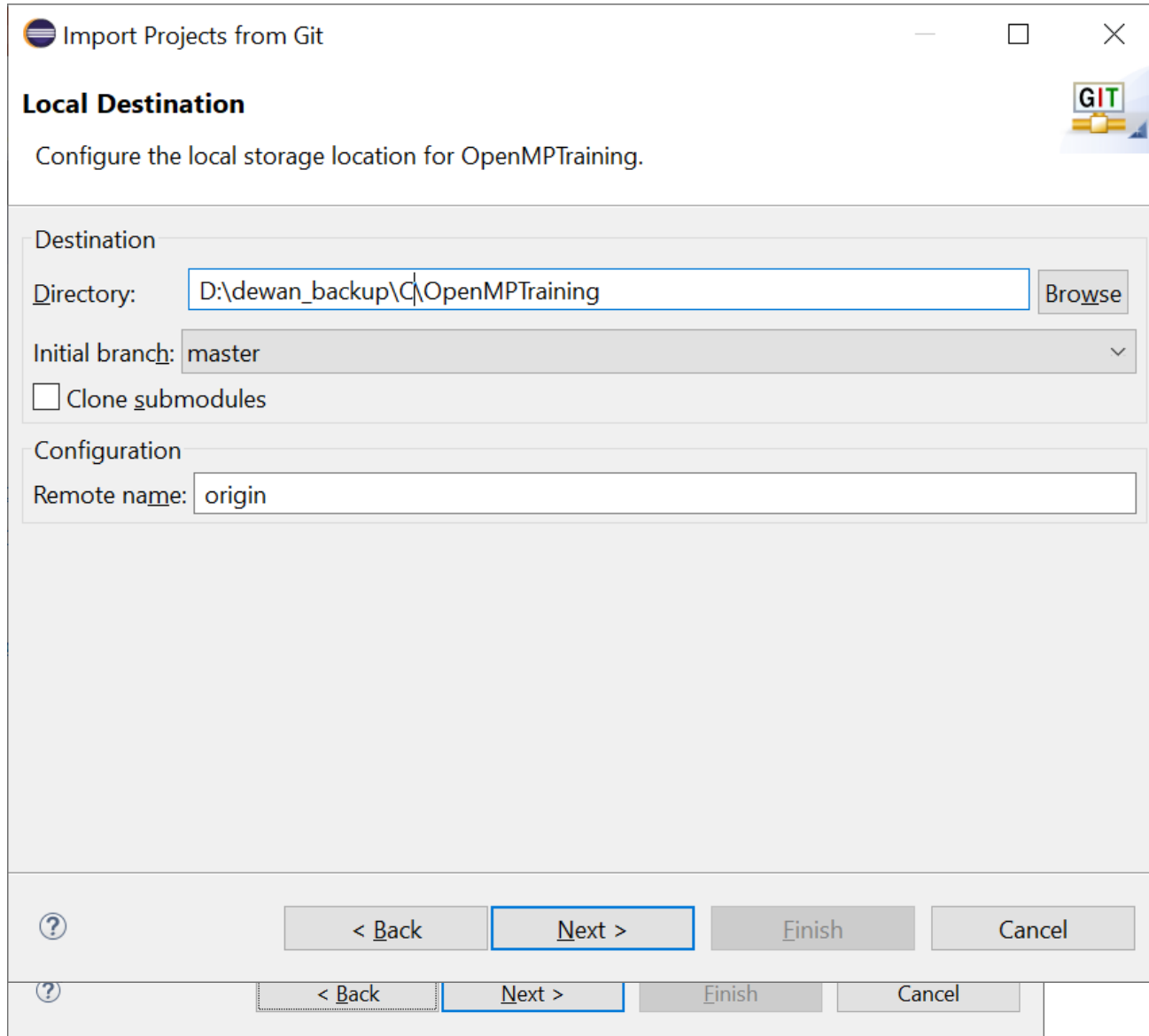
https://github.com/pdewan/OpenMPTraining.git

Import Git Project: Select Branch
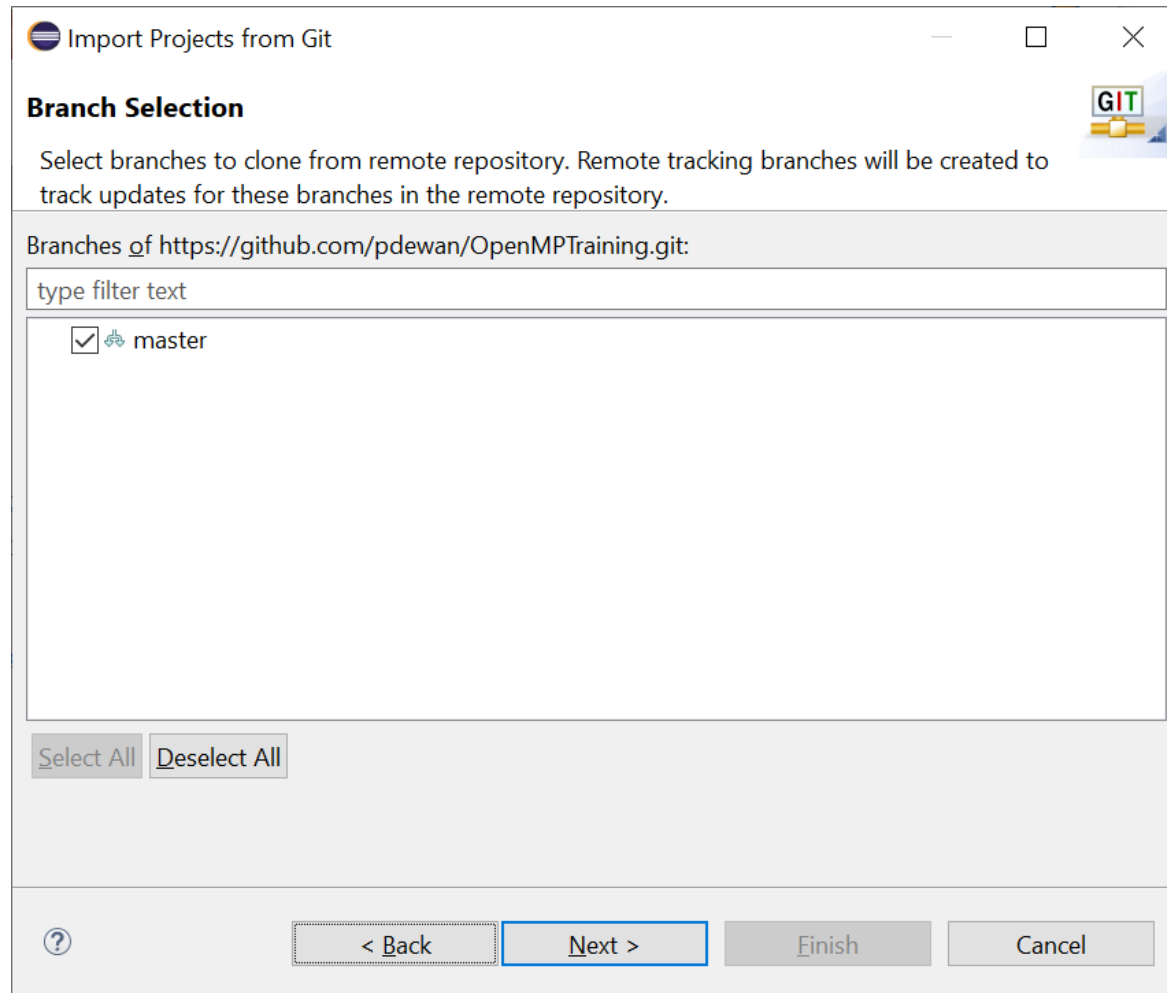
Import Git Project: Save in Local Directory

Import Git Project: Select OpenMPTraining
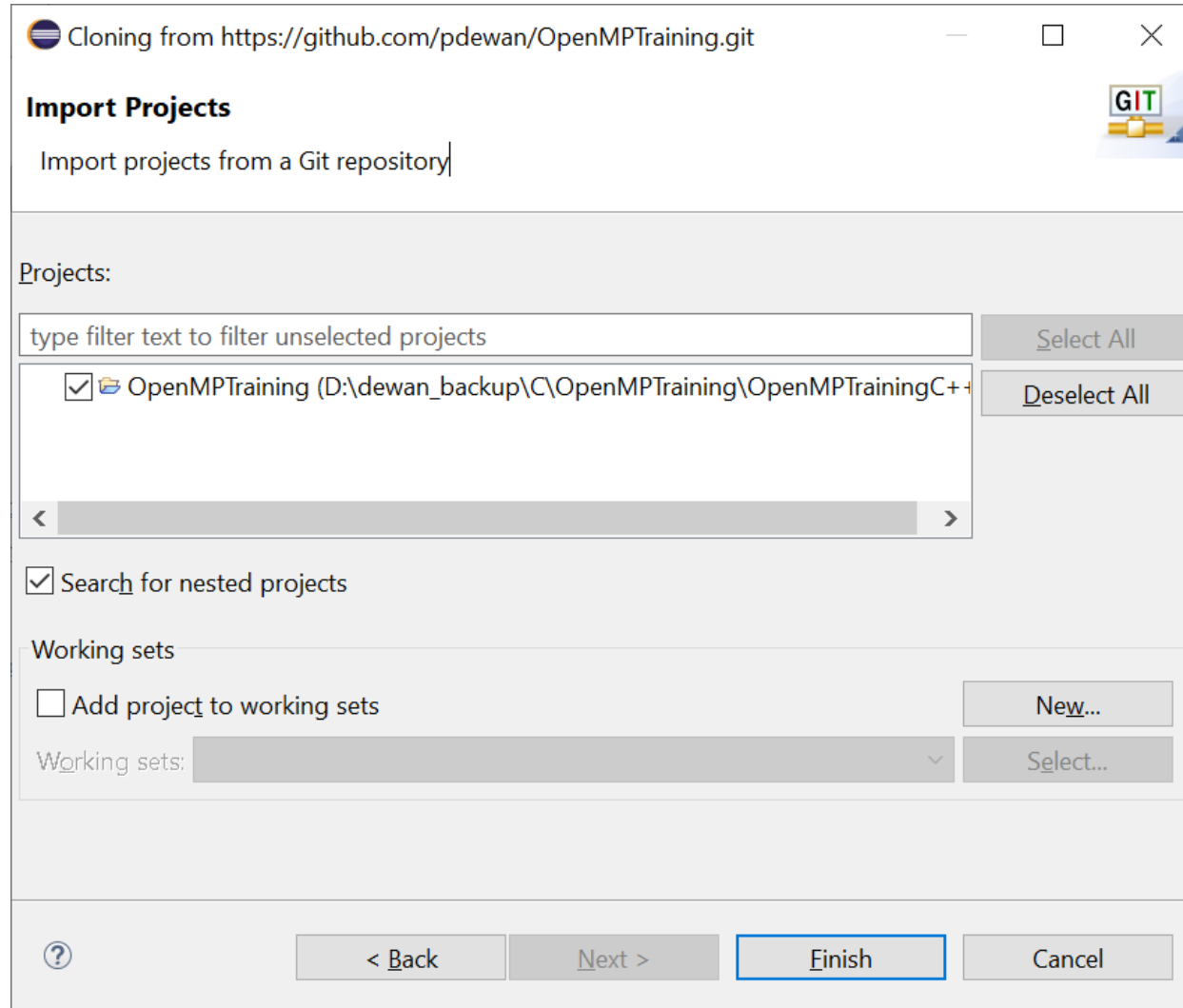
Import Git Project: Select Finish
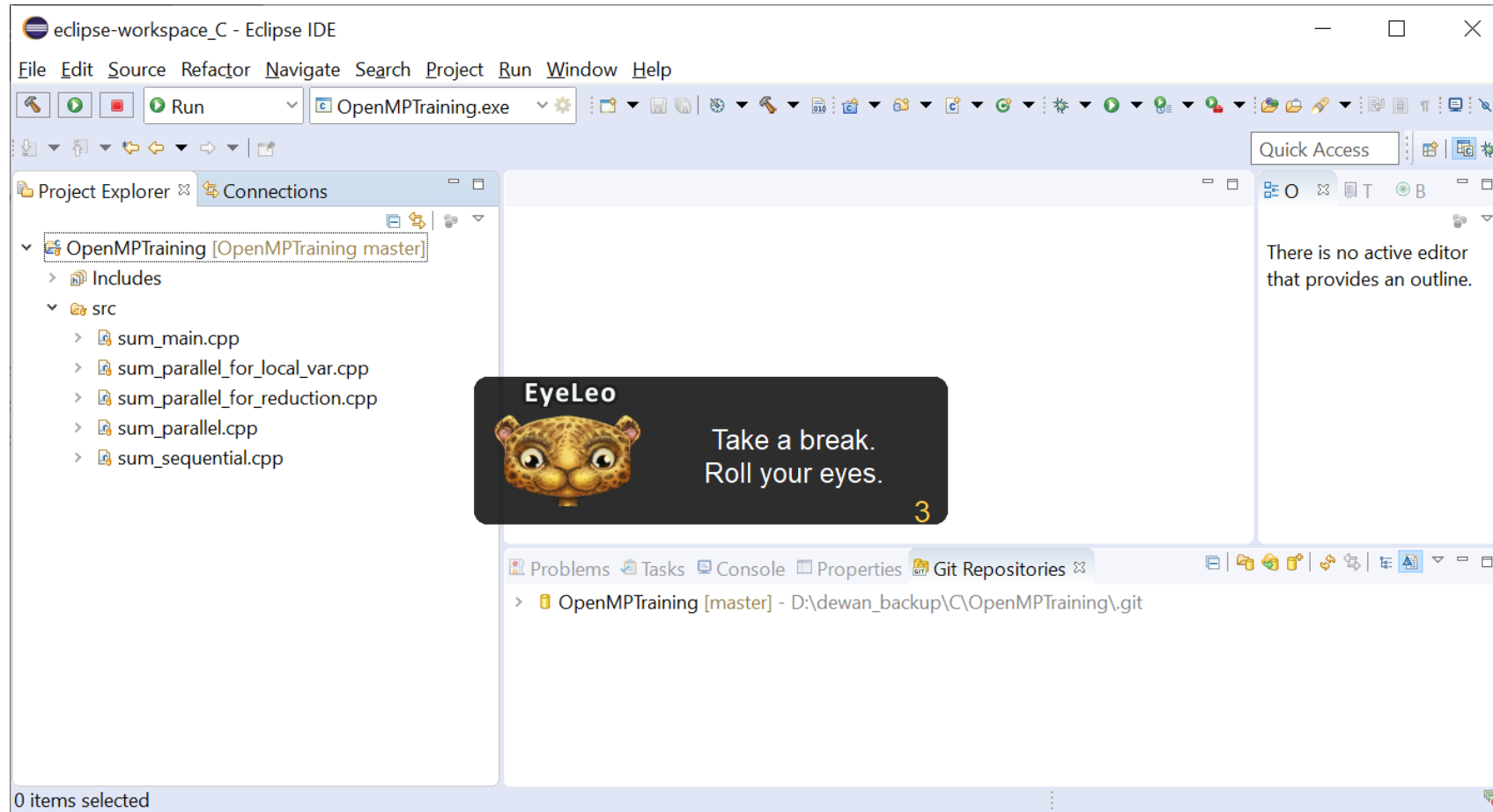
Build Project
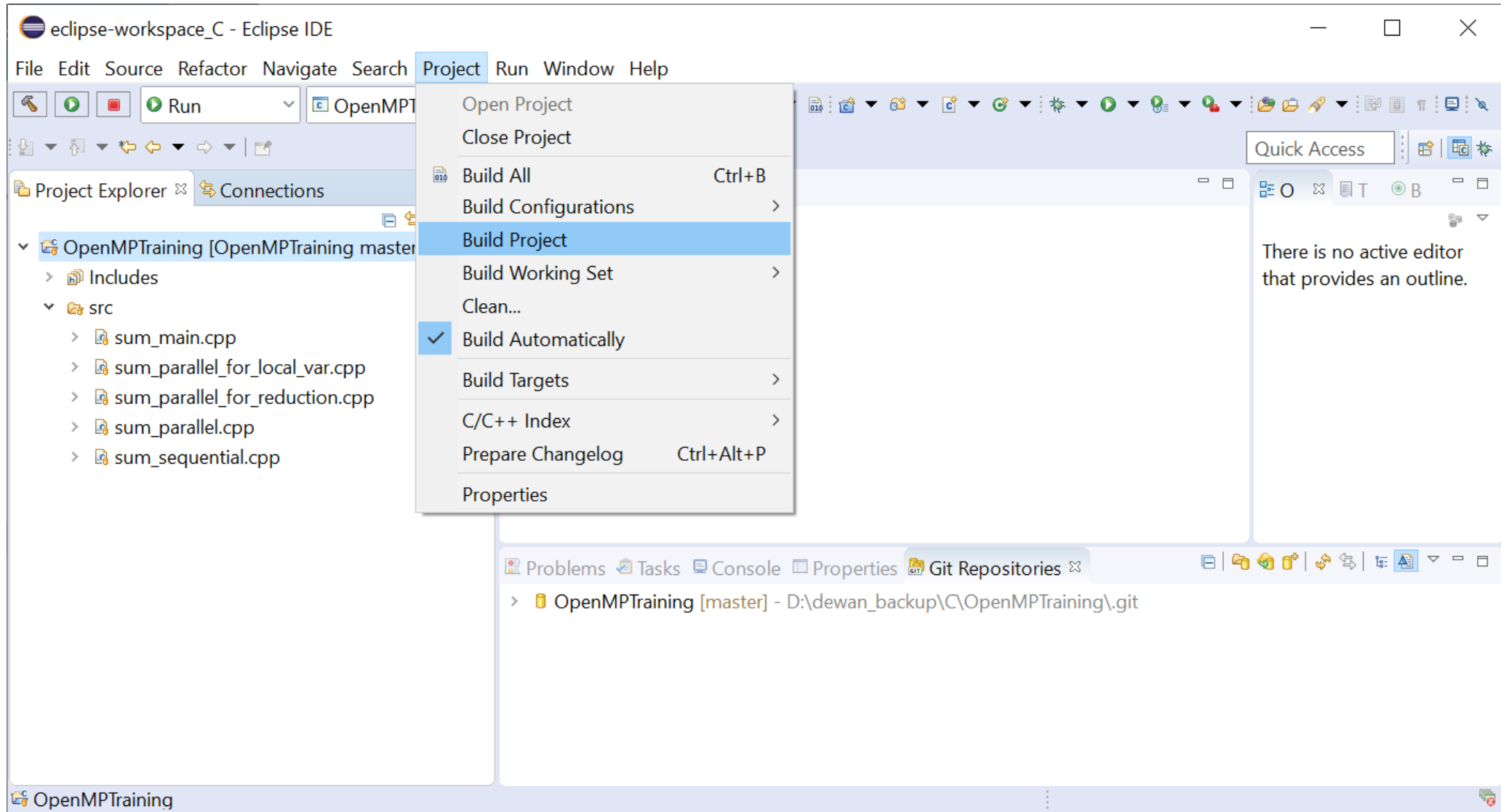
Built Project

Run Project

Run Project

Adding "Testing edit" and Running again
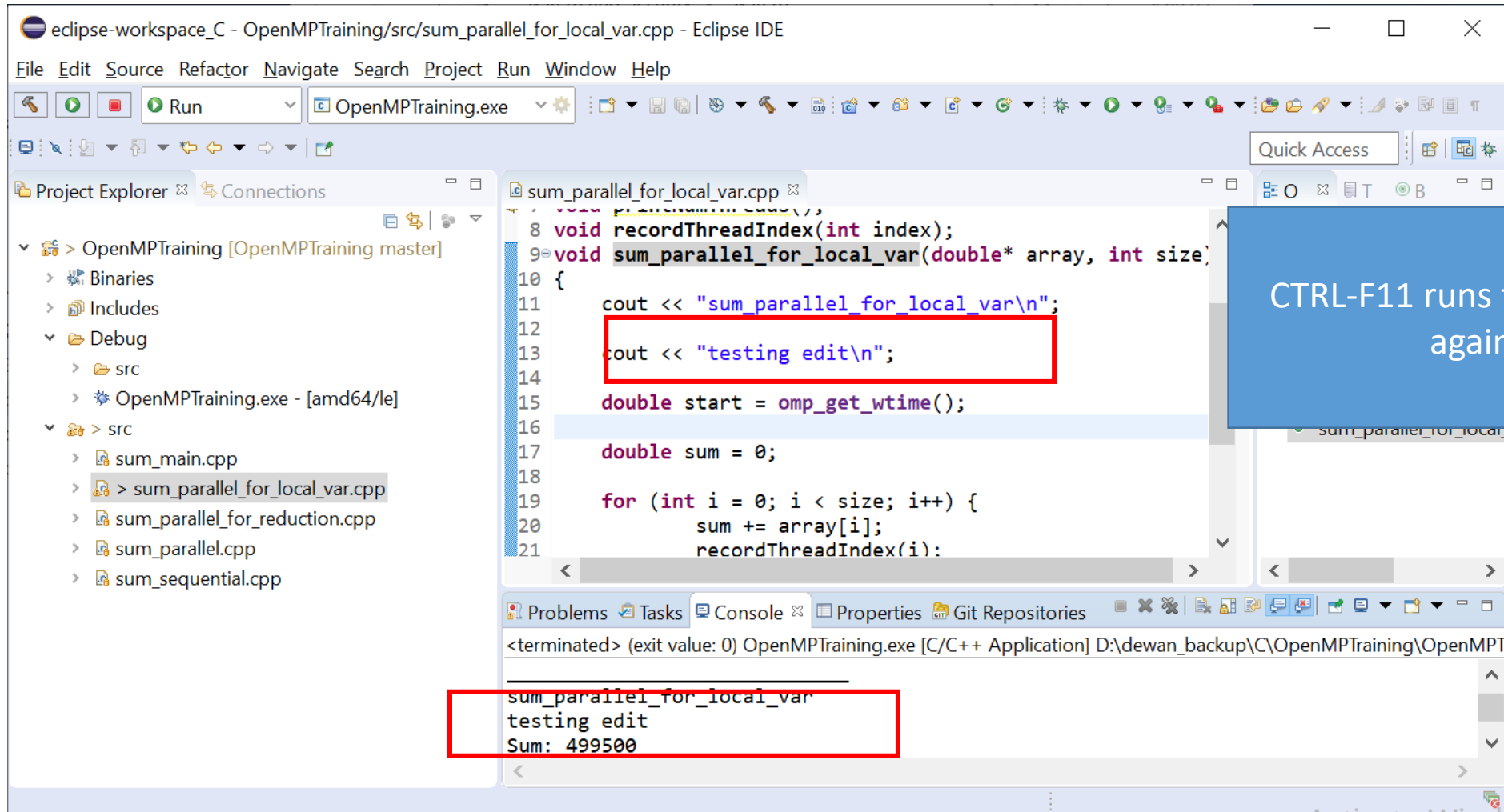
Getting to View to Record Difficulties

Window→Others

Open View

Hermes→DifficultyStatus
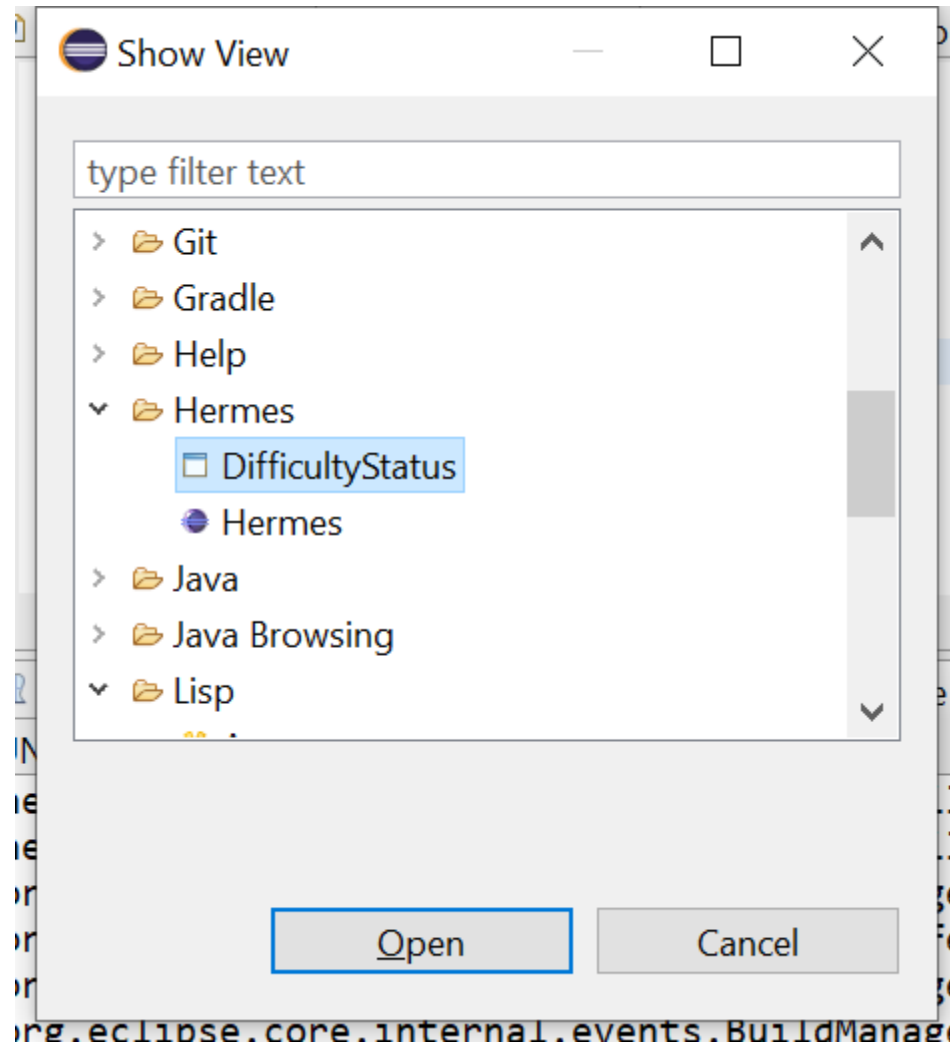
Difficulty Status View

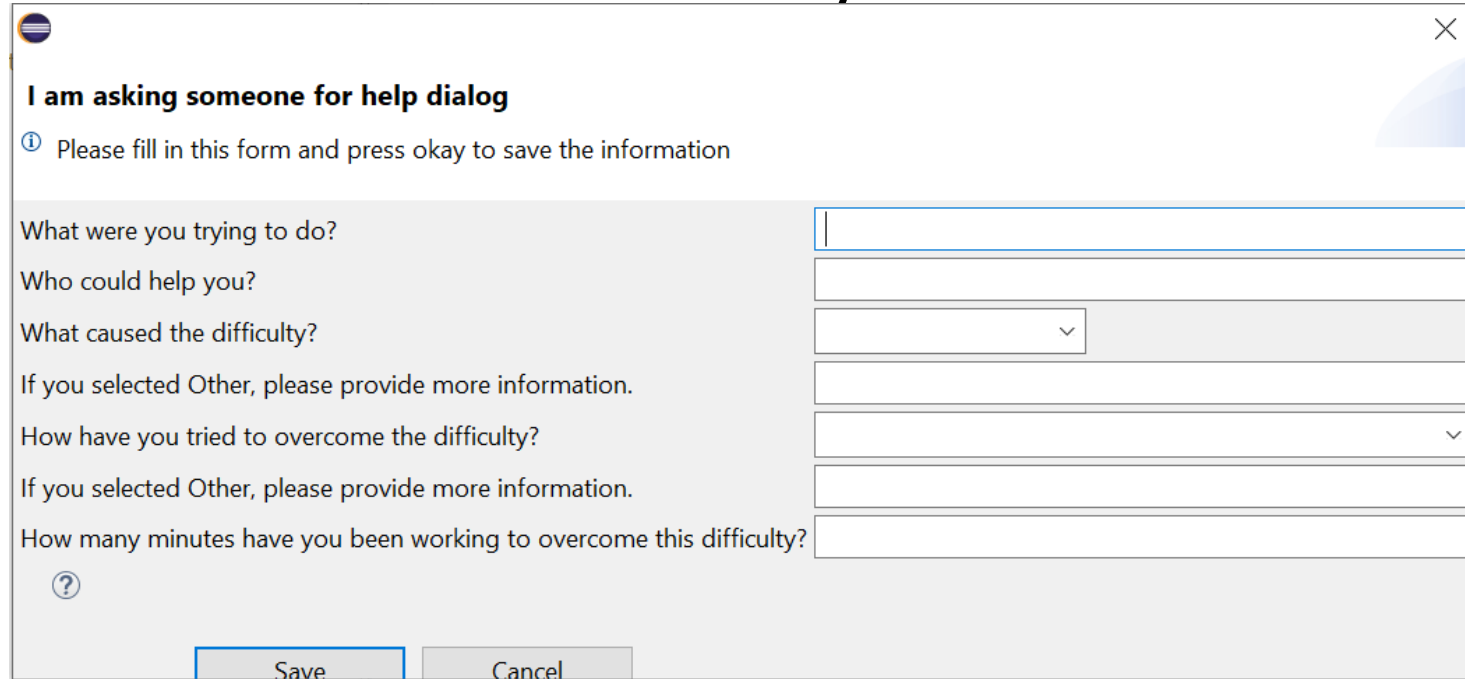When in Difficulty, press surmountable or insurmountable difficulty.

Progress: After having thought about it, you know exactly what to do (normal mode, no difficulty)

Surmountable: After having thought about it, you have some ideas on how the difficulty may be solved, but do not know the exact solution

Insurmountable: After having thought about it, you have no clue right now on how to solve the problem and are stopping to ask for help or think later
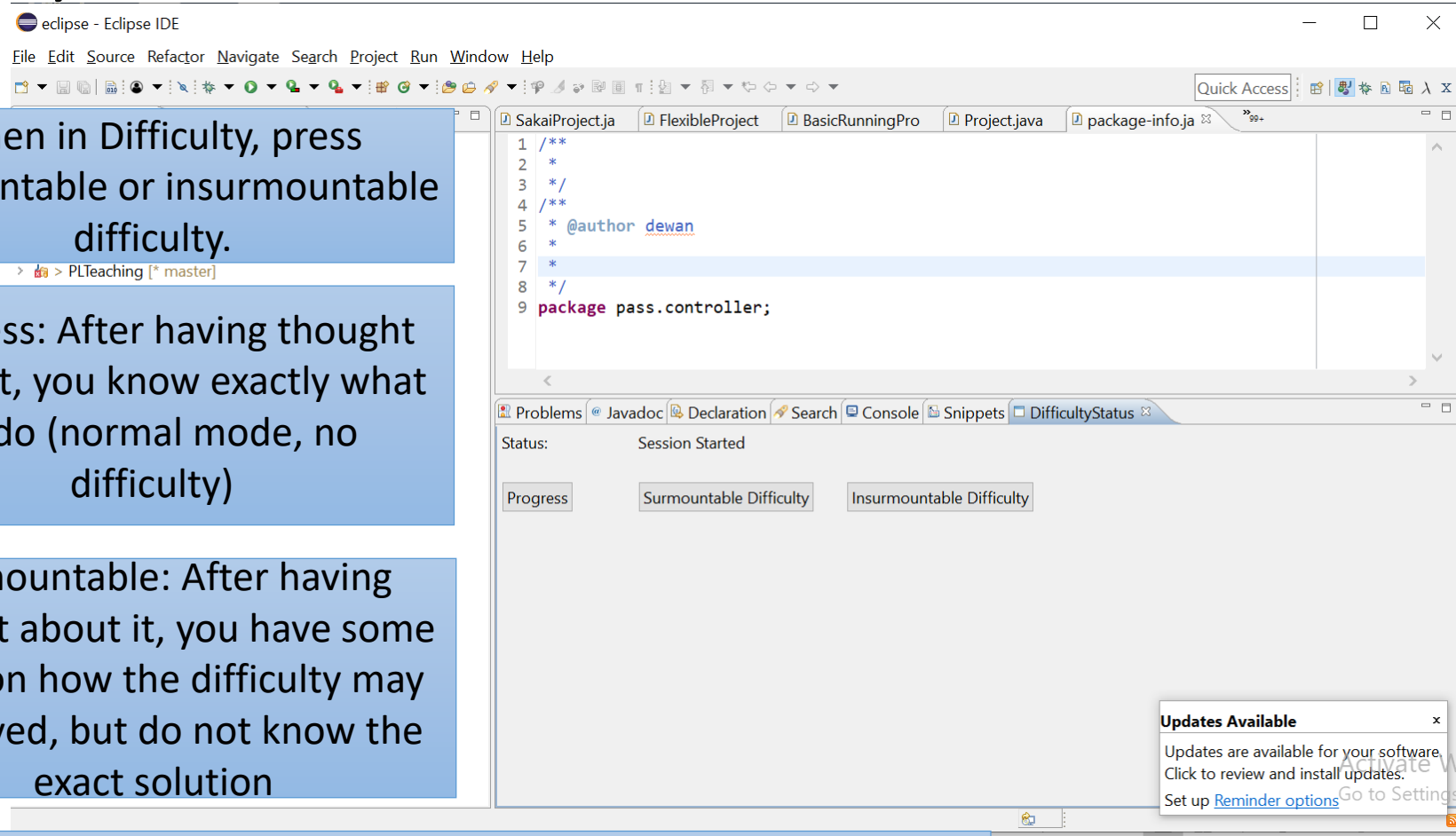
Elaborate on Surmountable or Insurmountable Difficulty
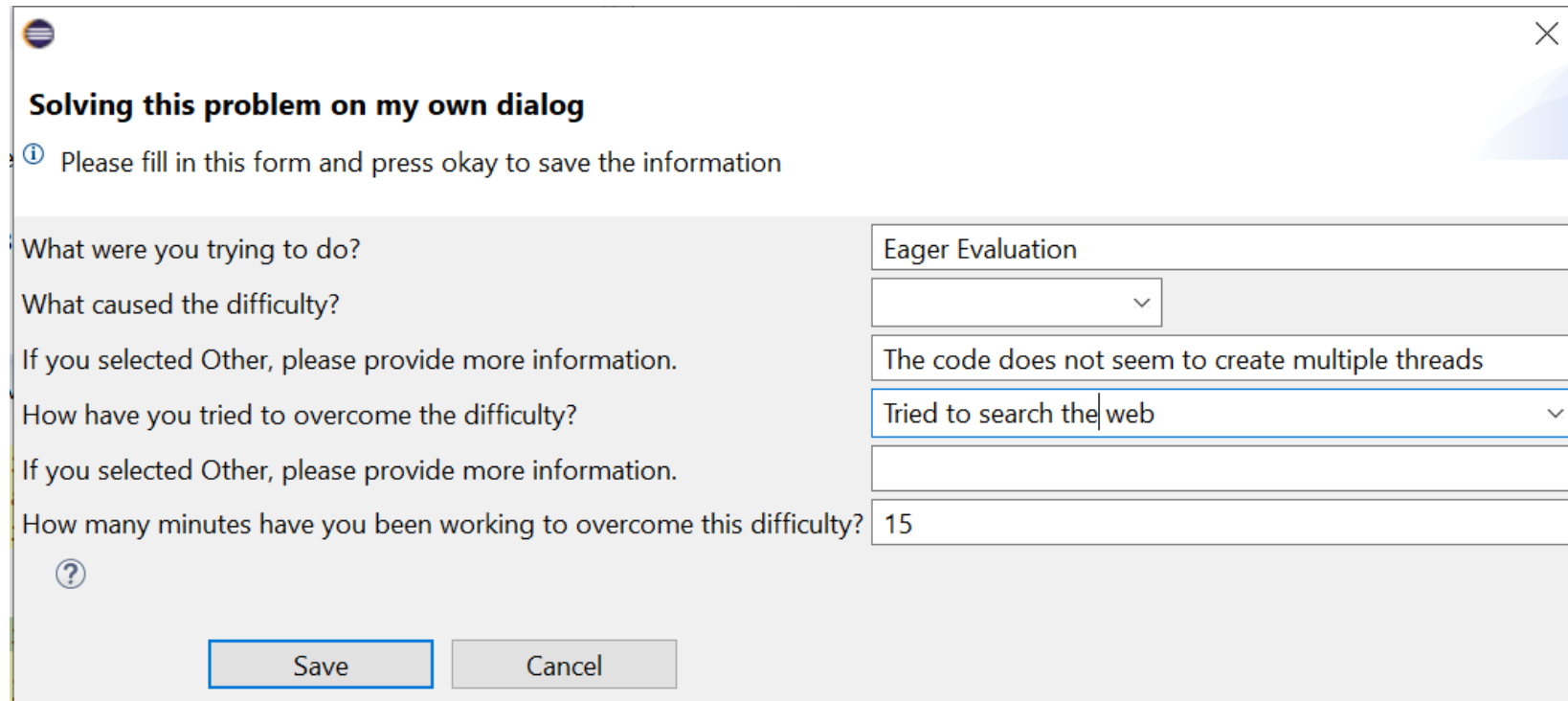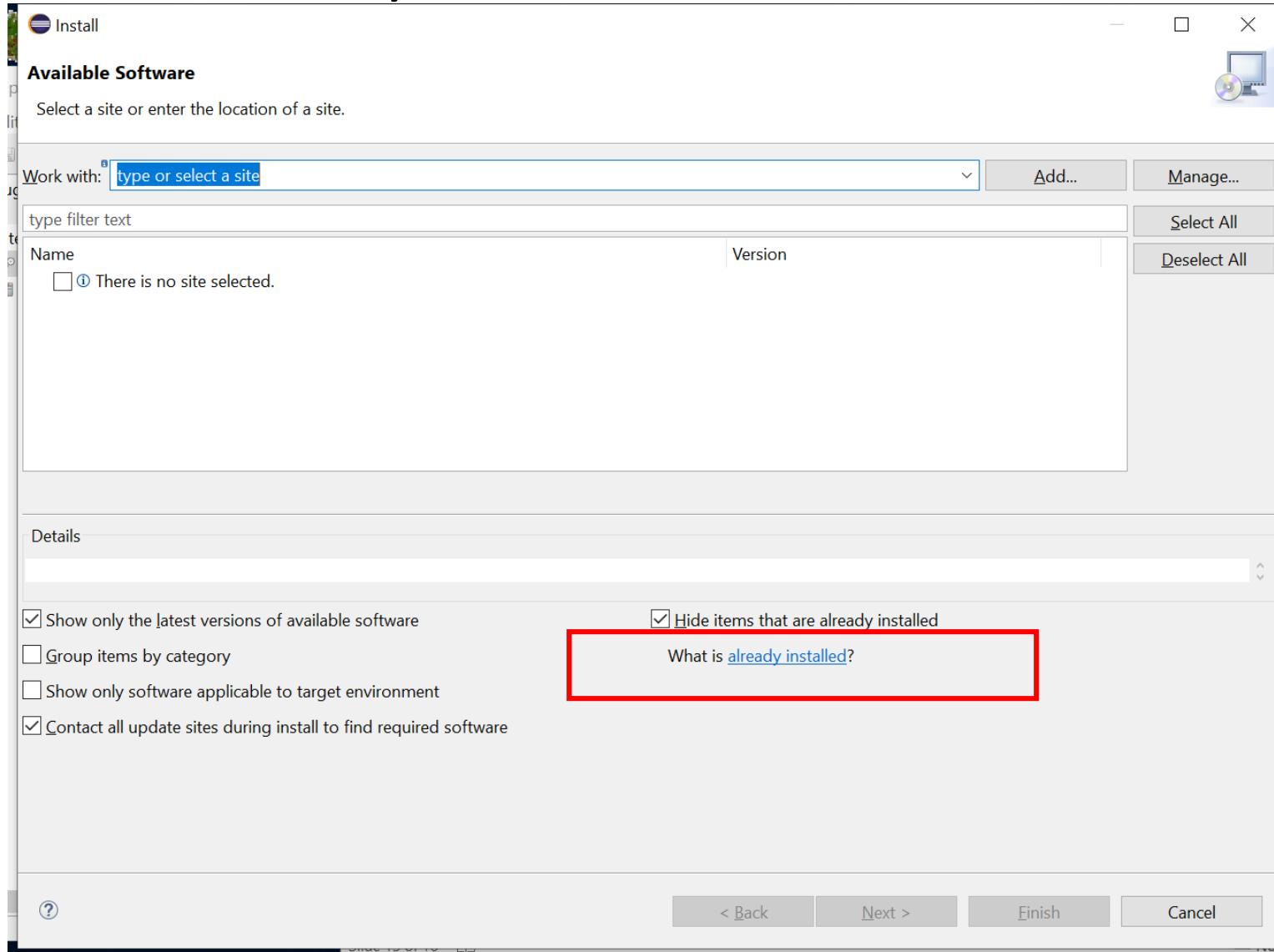
Example Filled Form
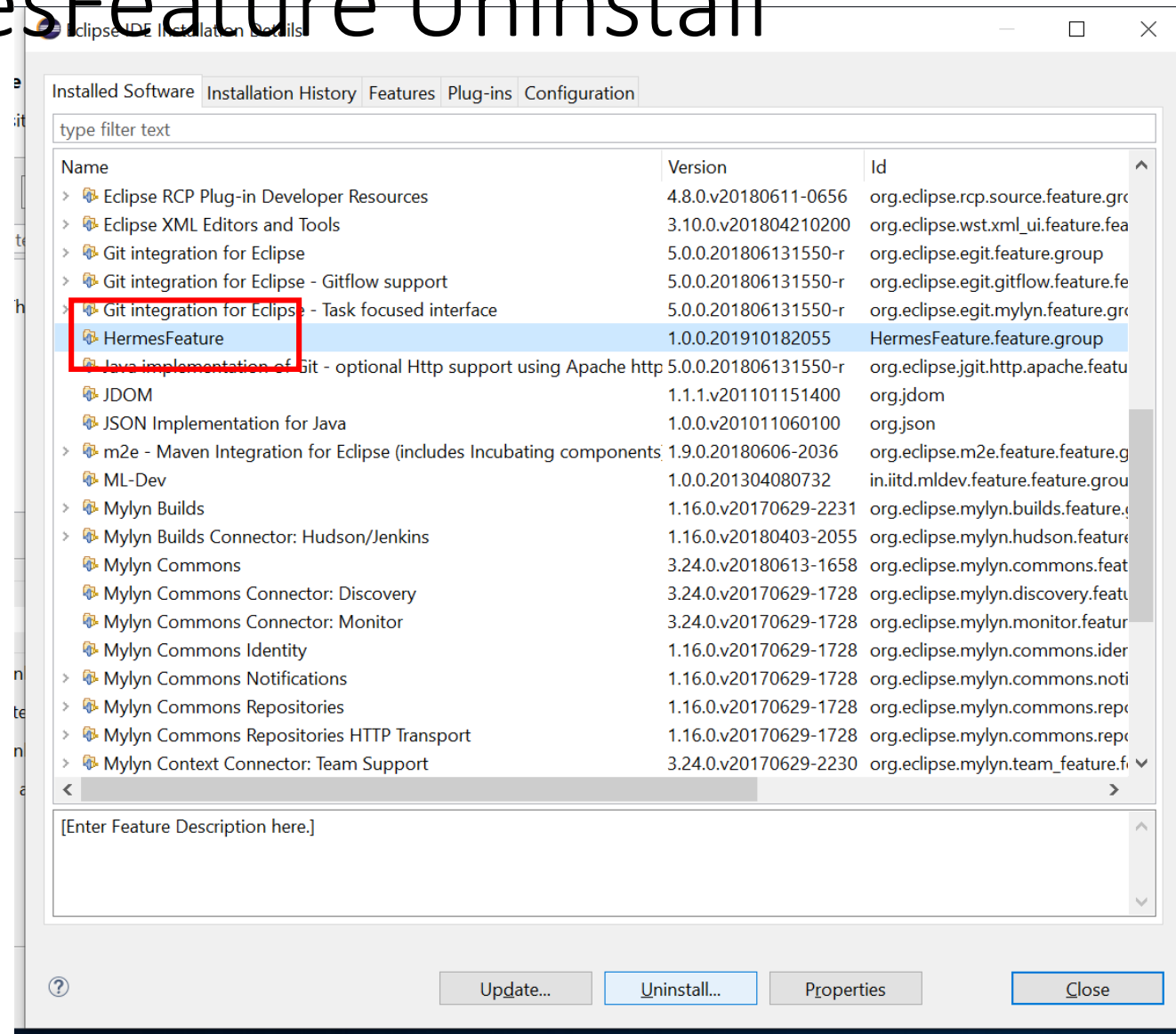
Uninstalling Plugin
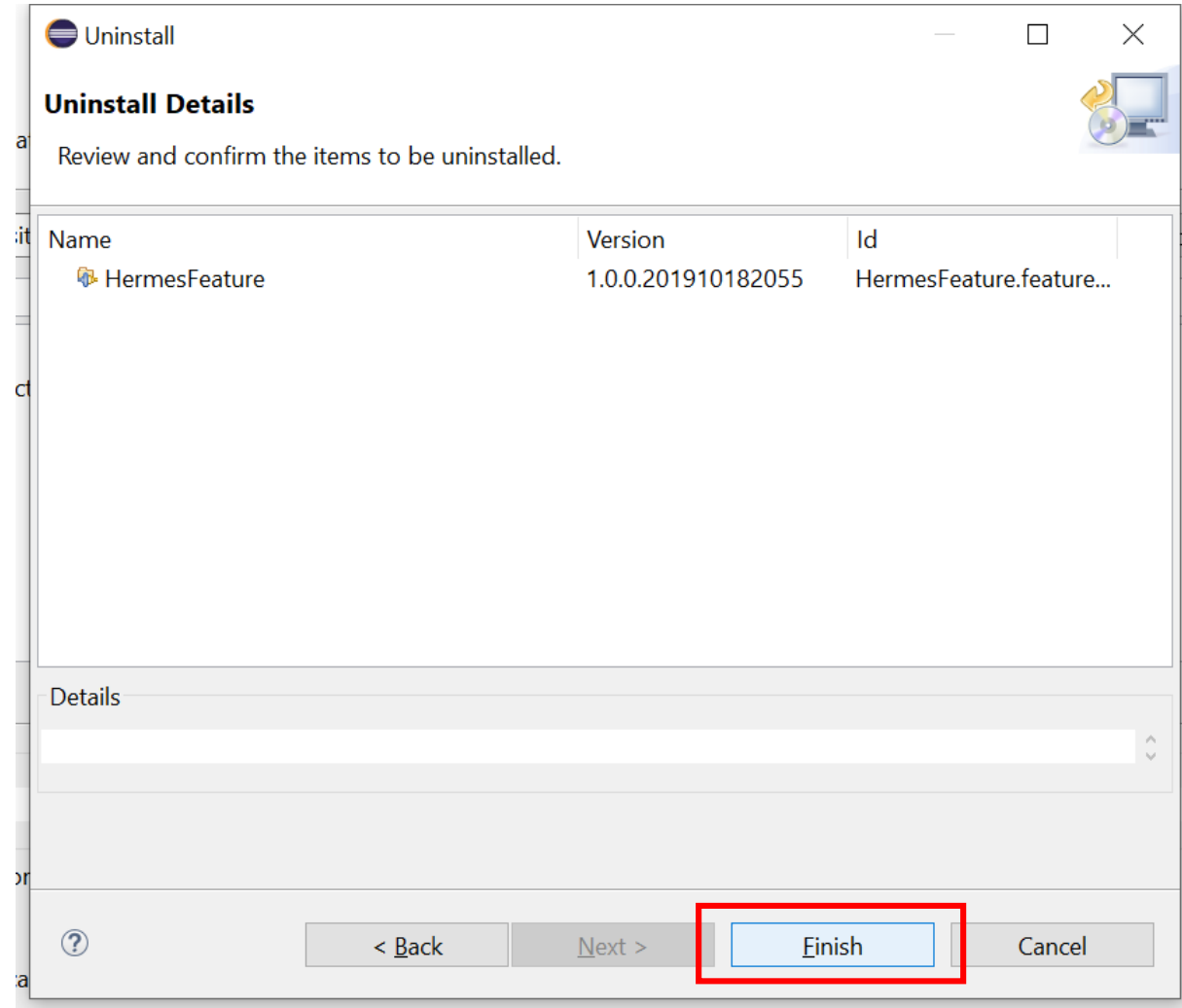
Help→Install New Software
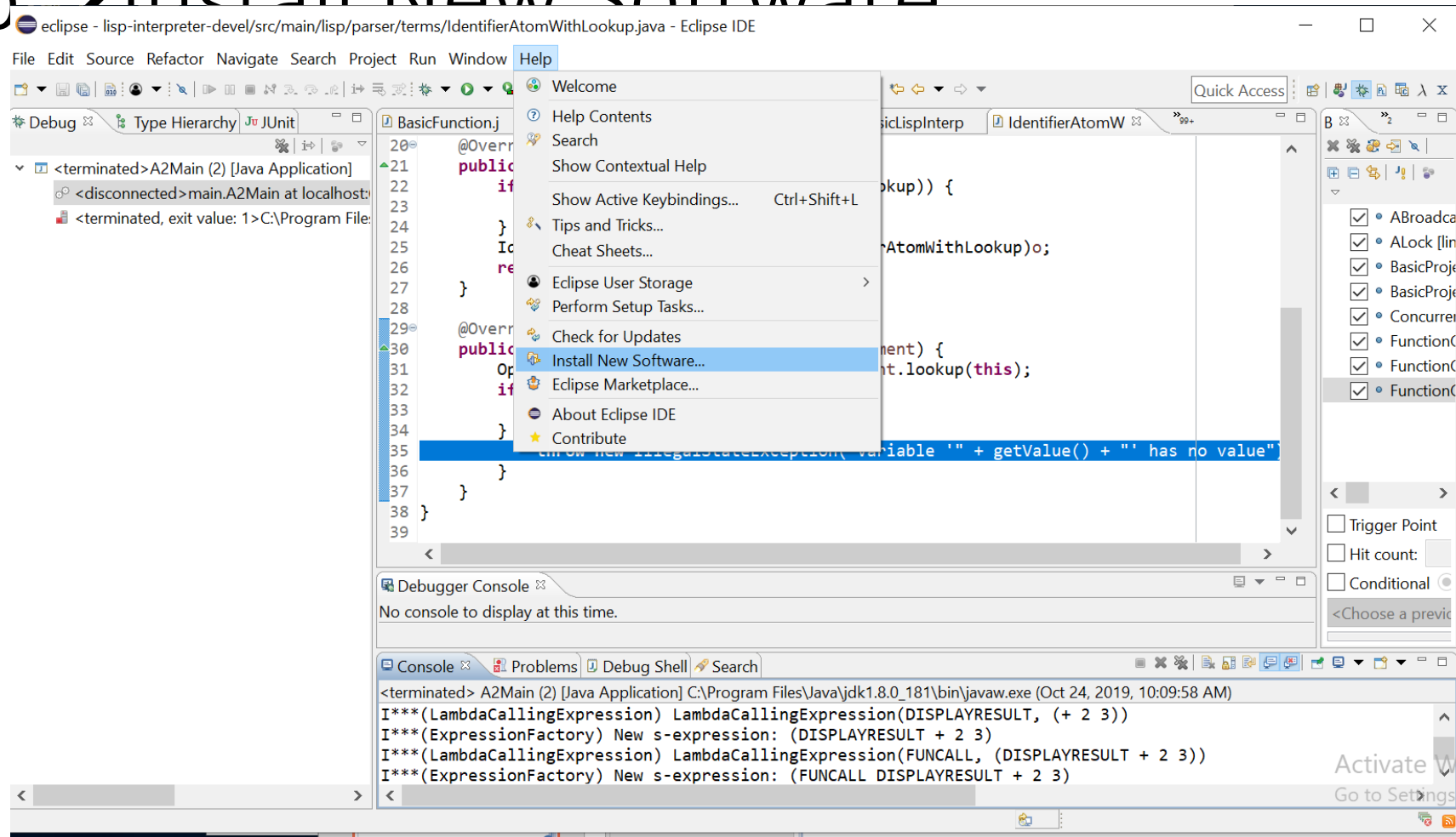
Click on: Already Installed

HermesFeature Uninstall

Click Finish

Restart Eclipse