

Eclipse Download and Installation (for Python) Instructions

Install Python before installing Eclipse; Eclipse installs Java.

You may want to print these instructions before proceeding, so that you can refer to them while downloading and installing Eclipse. Or, just keep this document in your browser. You should read each step completely before performing the action that it describes.

This document shows downloading and installing Eclipse (2021-06) on Windows 10 in Summer 2021. **You should download and install the latest version of Eclipse.** The current latest (as of Summer 2021) is Eclipse 2021-06.

Remember that you must install Python, and Eclipse as 64-bit applications. In fact, Eclipse can be installed only as a 64-bit application.

Eclipse: (2021-06)

The Eclipse download requires about 54 MB of disk space; keep it on your machine, in case you need to re-install Eclipse. When installed, Eclipse requires an additional 350 MB of disk space.

Downloading

1. Click [Eclipse](#)

The following page will appear in your browser. If your computer uses Windows, continue below; otherwise choose either **Mac OS X** or **Linux** instead.

Home / Downloads / Packages / Eclipse Installer 2021-06 R

Eclipse Installer Eclipse Packages

Eclipse Installer 2021-06 R

The Eclipse Installer 2021-06 R now includes a JRE for macOS, Windows and Linux.

Try the Eclipse **Installer** 2021-06 R

The easiest way to install and update your Eclipse Development Environment.

📄 548,779 Installer Downloads
📄 745,504 Package Downloads and Updates

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Windows [x86_64](#)
Linux [x86_64](#) | [AArch64](#)

5 Steps to Install Eclipse

We've recently introduced the Eclipse Installer, a new and more efficient way to install Eclipse. It is a proper installer (no zip files), with a self-extracting download that leads you through the installation process. For those who prefer not to use the Installer, the packages and zip files are still available on our [package download](#) page.

The Eclipse Installer 2021-06 R now includes a JRE for macOS, Windows and Linux.

Get **Eclipse IDE 2021-06**

Install your favorite desktop IDE packages.

[Download x86_64](#)

2. Click the orange **Download x86_64** button. (If necessary, click the **Windows x86_64** link, located under **Download** on the right side of the big blue banner).

You will see the following page (don't worry about the name of the institution underneath the orange **Download** button).

Home / Downloads / Eclipse downloads - Select a mirror

All downloads are provided under the terms and conditions of the [Eclipse Foundation Software User Agreement](#) unless otherwise specified.

[Download](#)

Download from: Canada - Rafal Rzczkowski (https)

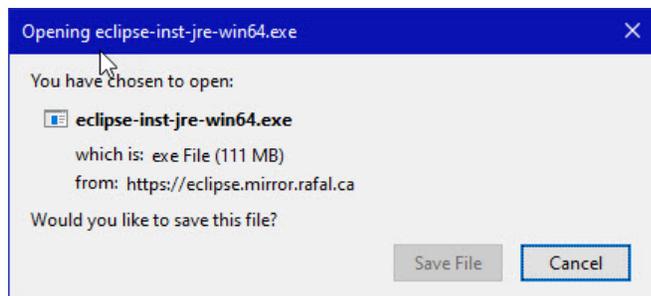
File: `eclipse-inst-jre-win64.exe` `SHA-512`

[>> Select Another Mirror](#)

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An Open-Source Strategy

3. Click the orange **Download** button. The site named here, beneath the button: **Canada - RafalRzczkowski (http)** is the random one chosen by the download page this time; yours may differ.

The following pop-up window titled **Opening eclipse-inst-jre-win64.exe** will appear.



Click the **Save File** button.

This file should start downloading in your standard download folder. This file is about 115 Mb so it might take a while to download fully if you are on a slow internet connection (it downloads quickly over a cable modem).

The file should appear as

eclipse-inst-jre-win64.exe	7/8/2021 1:47 PM	Application	113,425 KB
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Terminate the tab browsing the Eclipse webpage.

4. Move this file to a more permanent location, so that you can install Eclipse (and reinstall it later, if necessary).

5. Start the **Installing** instructions directly below.

Installing Eclipse (for Python)

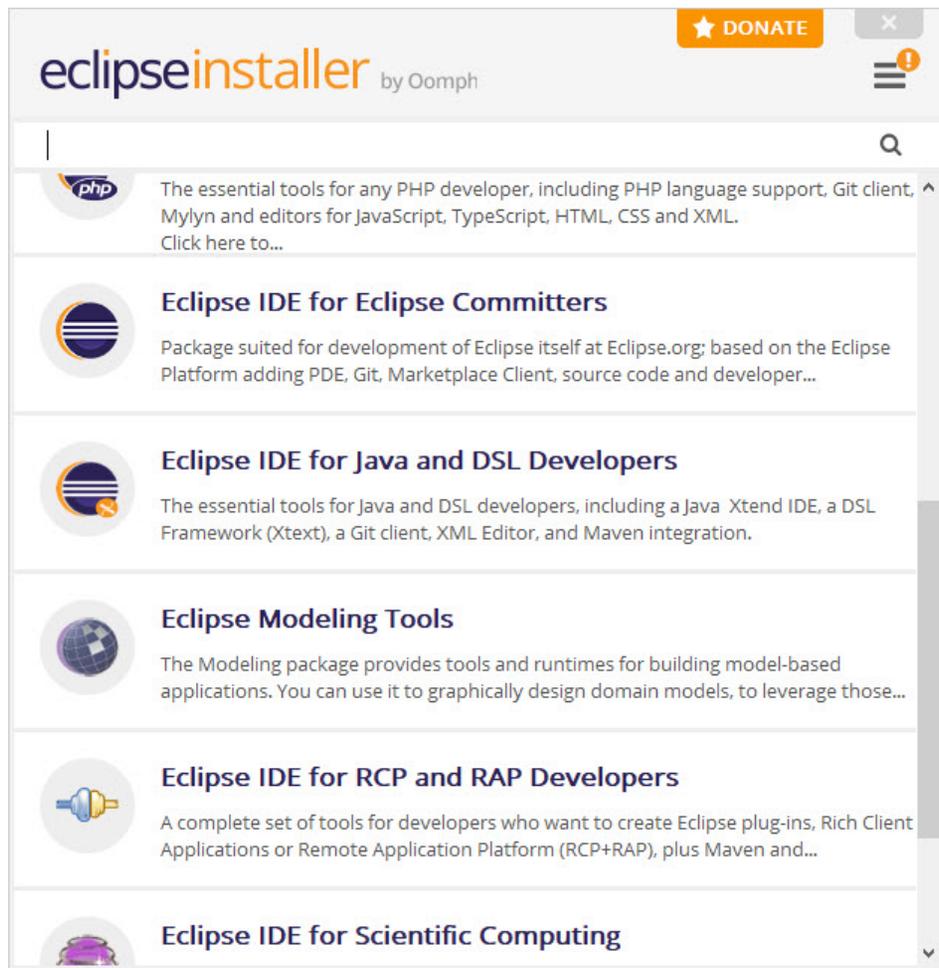
Python should be installed before installing Eclipse

1. Double-click the icon labeling the file **eclipse-inst-win64.exe**.

It might take a few seconds to a few minutes, but watch for the following **Eclipse Installer** pop-up window to appear.

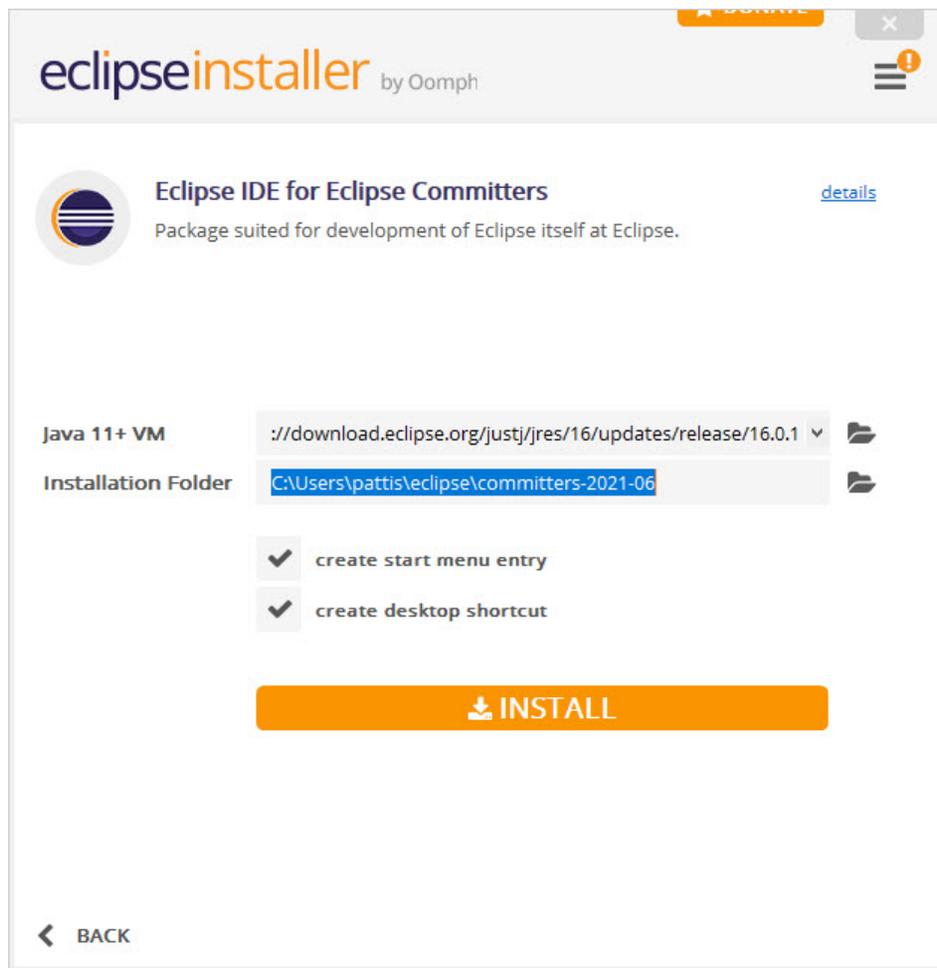


It will soon disappear and be replaced by another **Eclipse Installer** pop-up window. Scroll down in this window until you see **Eclipse IDE for Eclipse Committers**



2. Click on **Eclipse IDE for Eclipse Committers**.

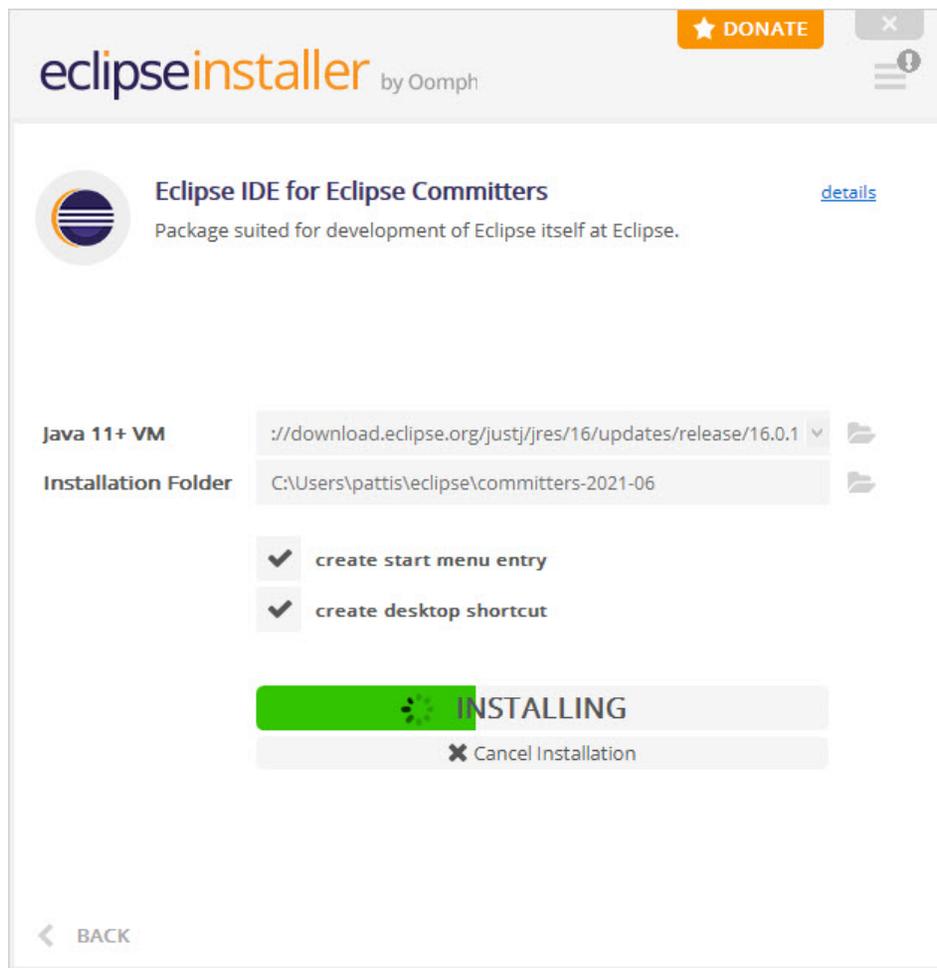
Another **Eclipse Installer** pop-up window will appear.



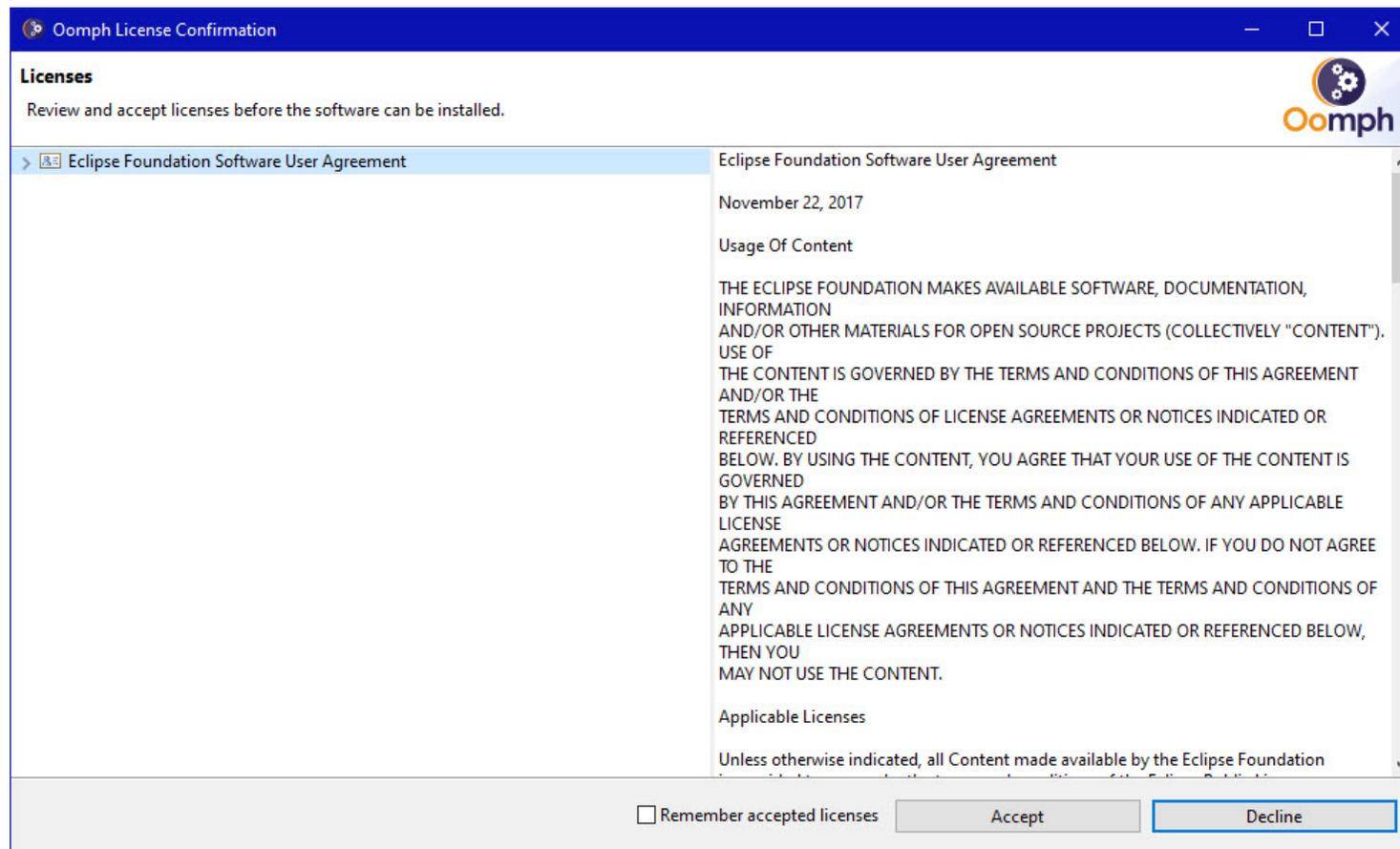
3. Click the **Install** button.

(When I installed Eclipse on my Surface, I was first presented with an **Eclipse Foundation Software User Agreement**, on which I clicked **Accept Now**. After installation, there was no **Oomph License Confirmation**.)

The **Eclipse Installer** pop-up window will continue to show a green progress bar

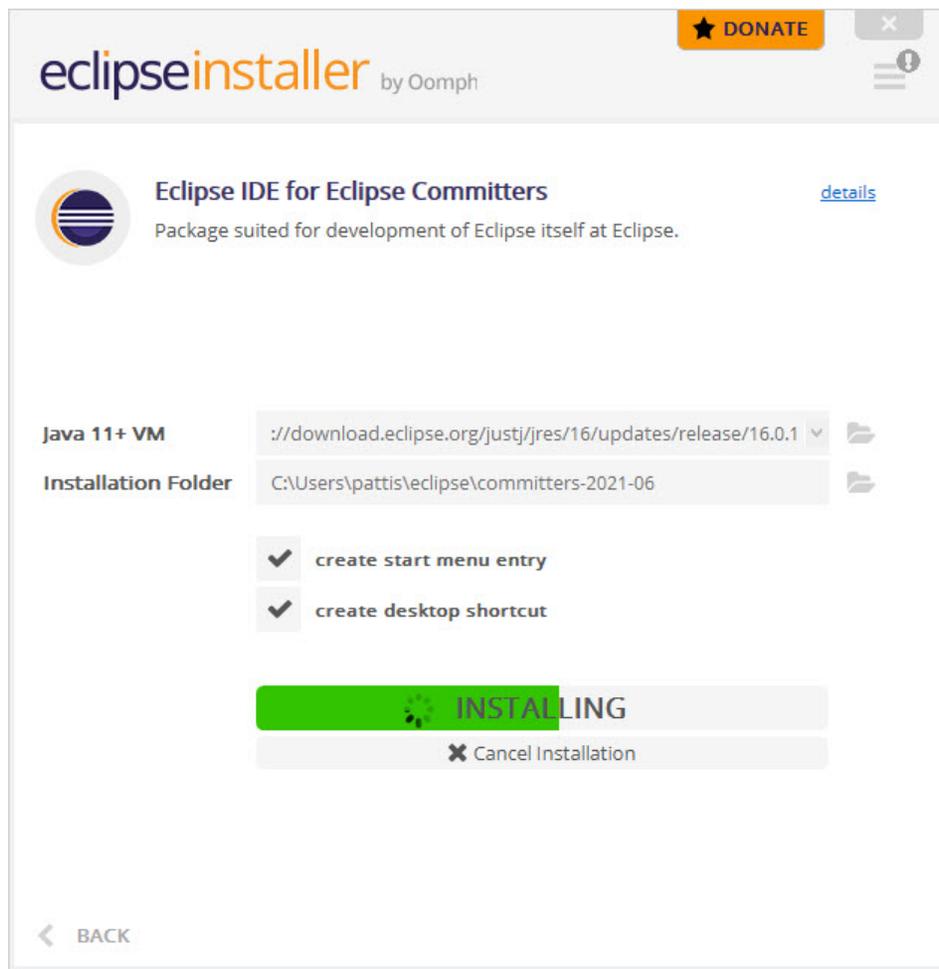


Eventually, an **Oomph License Confirmation** pop-up window will appear.

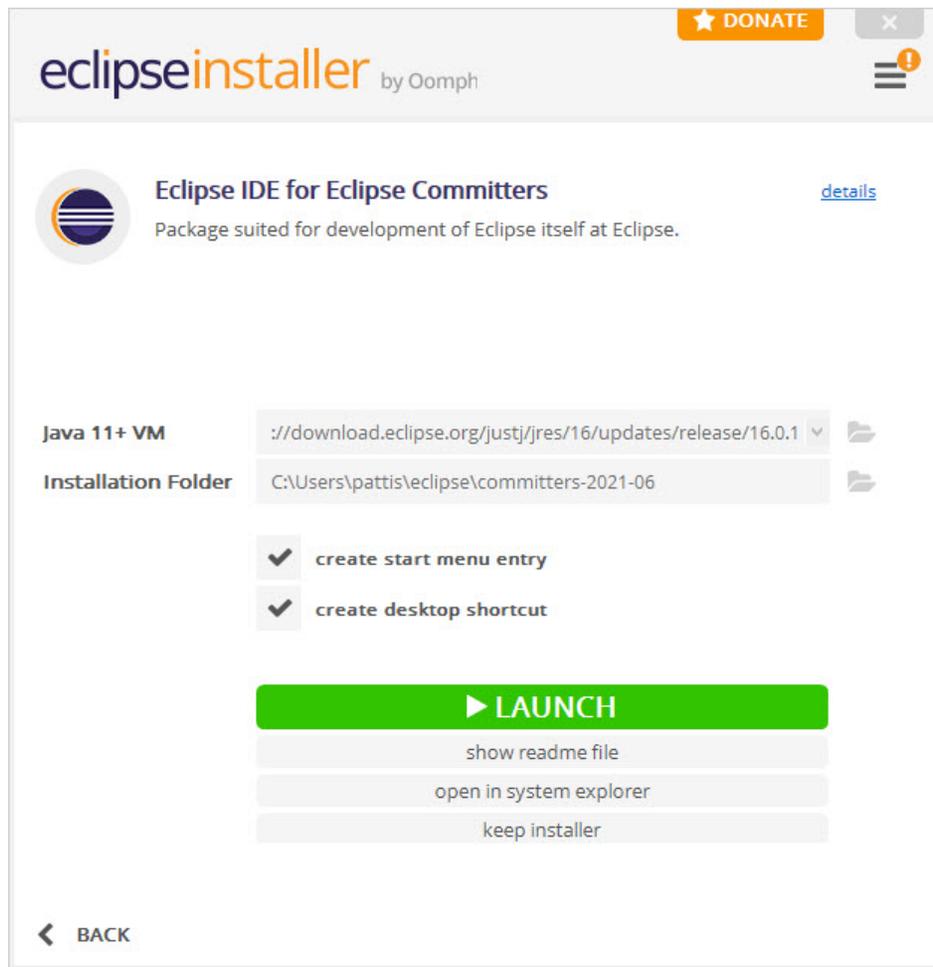


4. Click the **Accept** button.

The **Eclipse Installer** pop-up window will continue to show a green progress bar



Eventually, the **Eclipse Installer** pop-up window will appear.



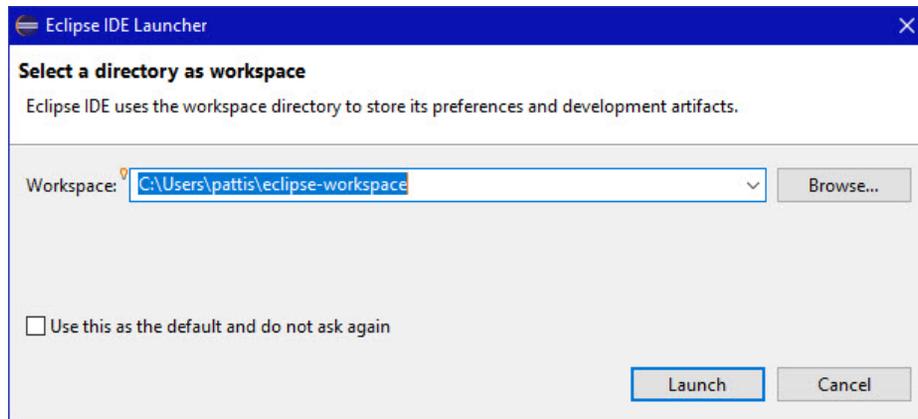
5. Click the **Launch** button.

The installer will create a shortcut (the "death-star" icon) on your desktop to the **eclipse.exe** file in this **eclipse** folder. Generally, you will double-click this icon to start Eclipse.

But the Eclipse Installer will automatically start it for you, at which point the following splash window will appear



and then an **Eclipse Launcher** pop-up window will appear.



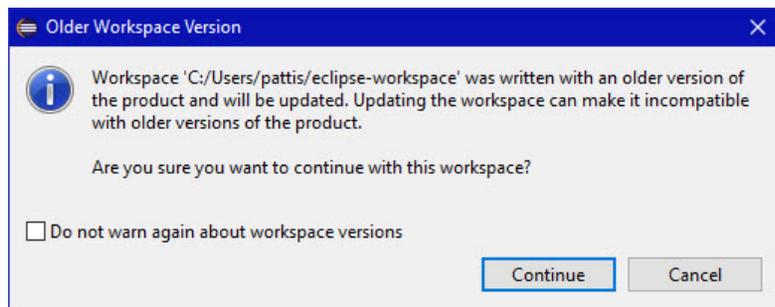
In the **Workspace** text box, your name should appear between **C:\Users** and **\eclipse-workspace**, instead of **pattis**.

Leave **unchecked** the **Use this as the default and do not ask again** box. Although you will use this same workspace for the entire quarter (checking projects in and out of it), it is best to see this **Workspace Launcher** pop-up window each time you start Eclipse, to remind you where your workspace is located.

In fact, it is a good idea to create on your desktop a shortcut to your workspace folder; but you must click **Launch** (see below) before Eclipse creates this folder and you can create a shortcut to it.

6. Click **Launch**.

If you have an older version of Eclipse installed, the following pop-up window will appear.

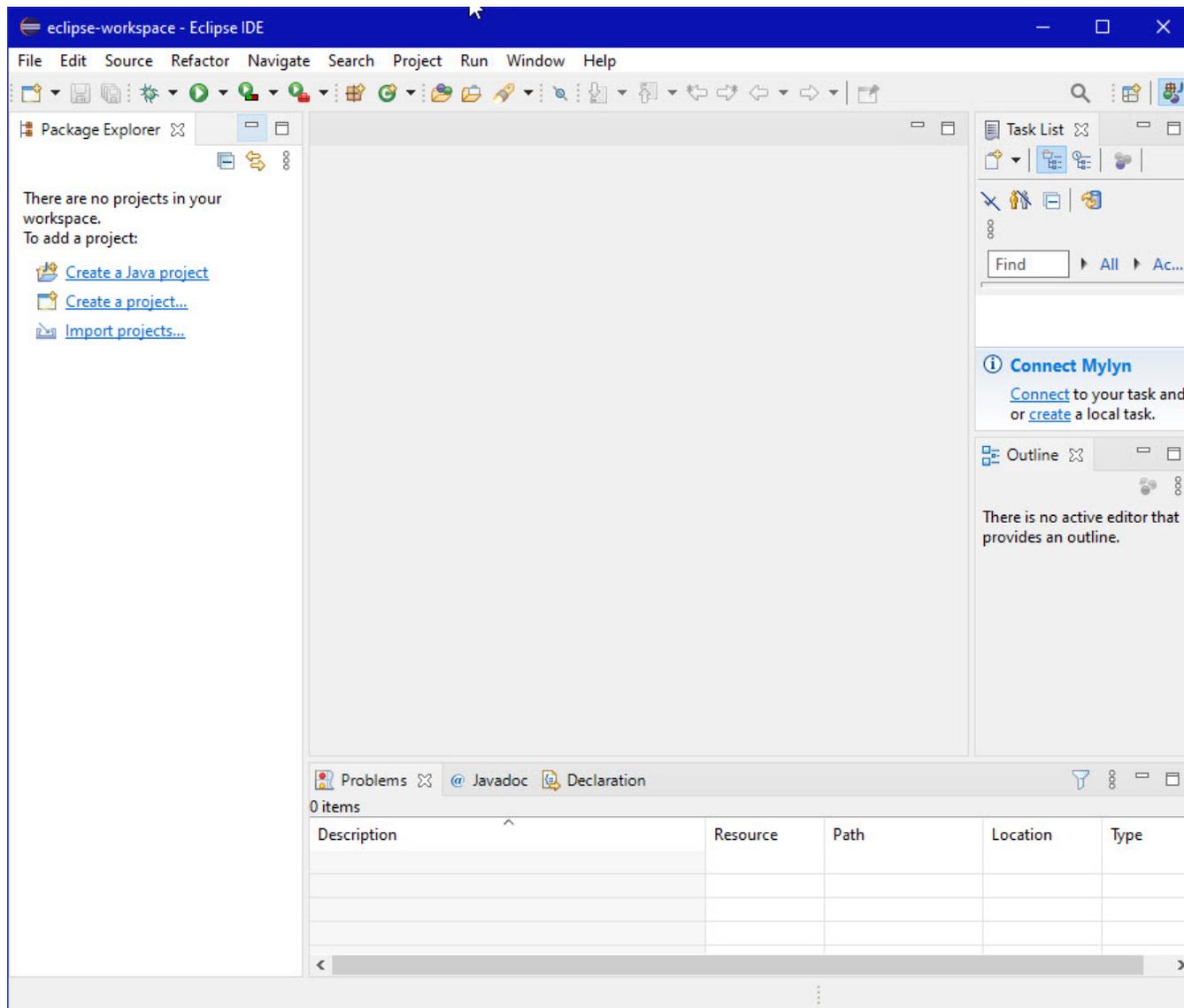


If this pop-up window appears, click **Continue** to update the workspace for the newer version of Eclipse.

Progress bars will appear on the Splash window as Eclipse loads.



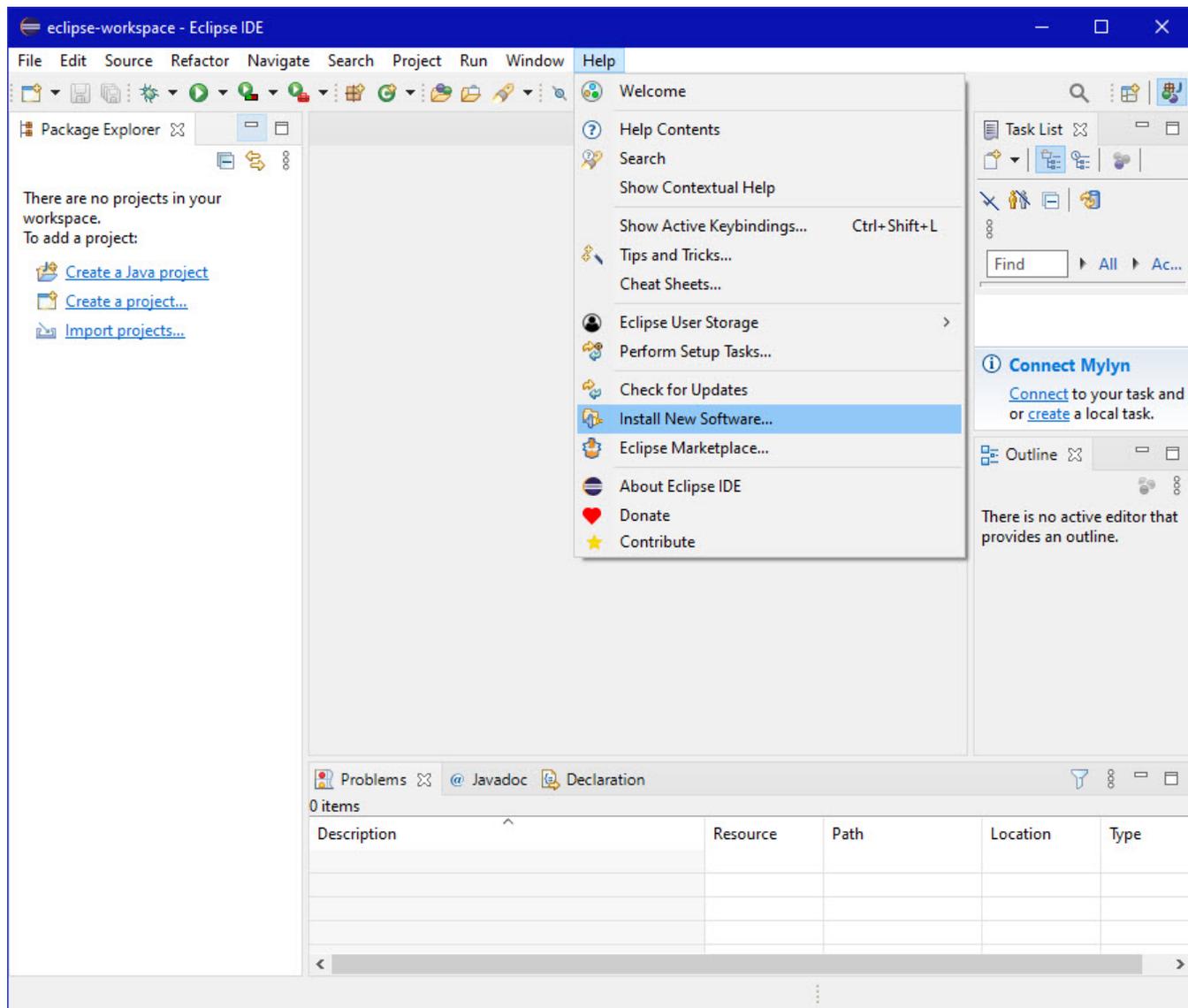
Eventually the Eclipse Workbench will appear.



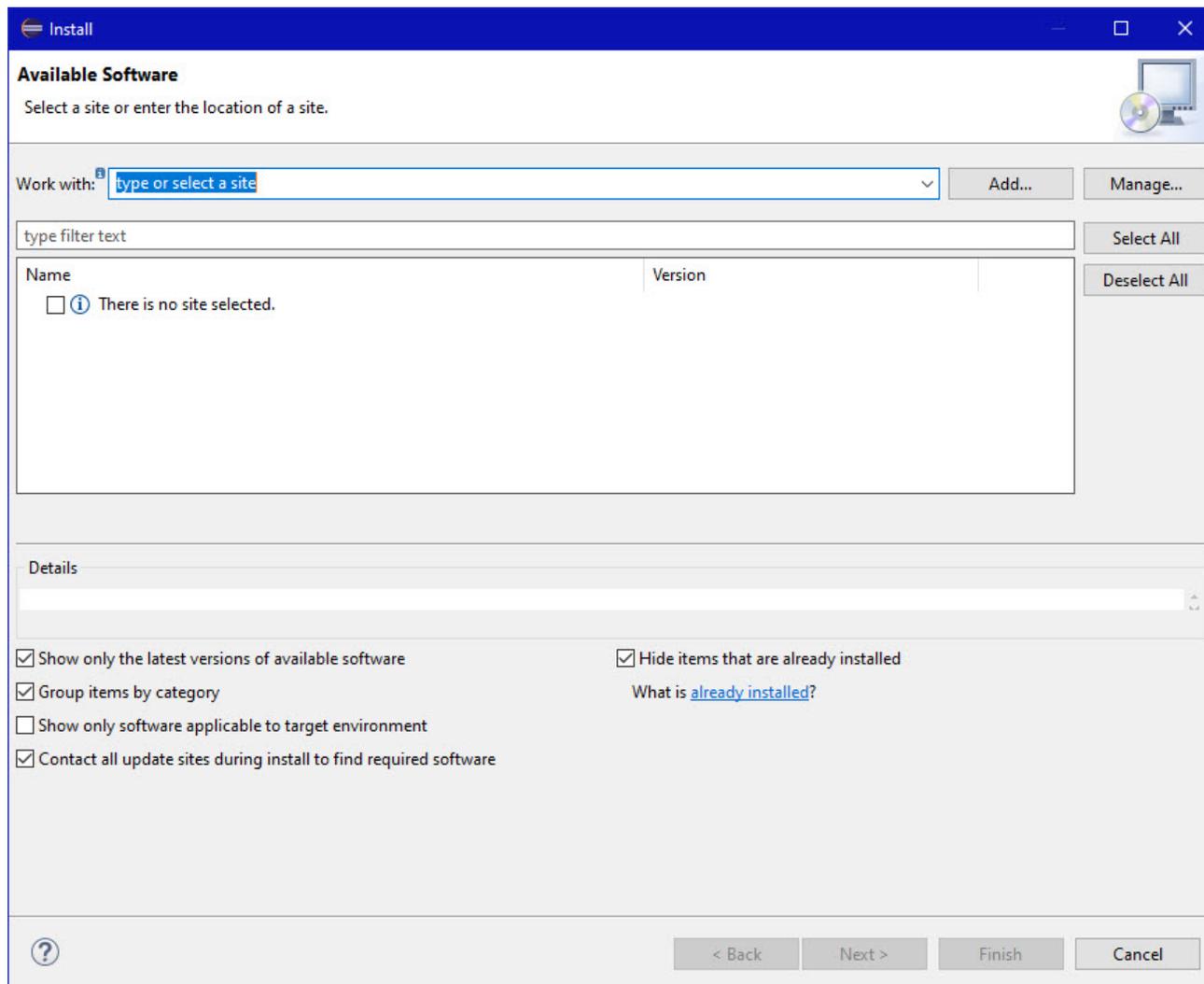
If it shows as being covered with a **Welcome** tab, terminate it by clicking **X** on the **Welcome** tab. You will not see the **Welcome** tab when you start Eclipse again, after this first time.

If it further shows a **Donate** tab, terminate it by clicking **X** on the **Donate** tab.

7. Click **Help** (on the far right of the line below this window's blue title **eclipse-workspace - Eclipse IDE**) and then click **Install New Software...** in its pull-down menu, as shown below.



The **Install** pop-up window will appear.

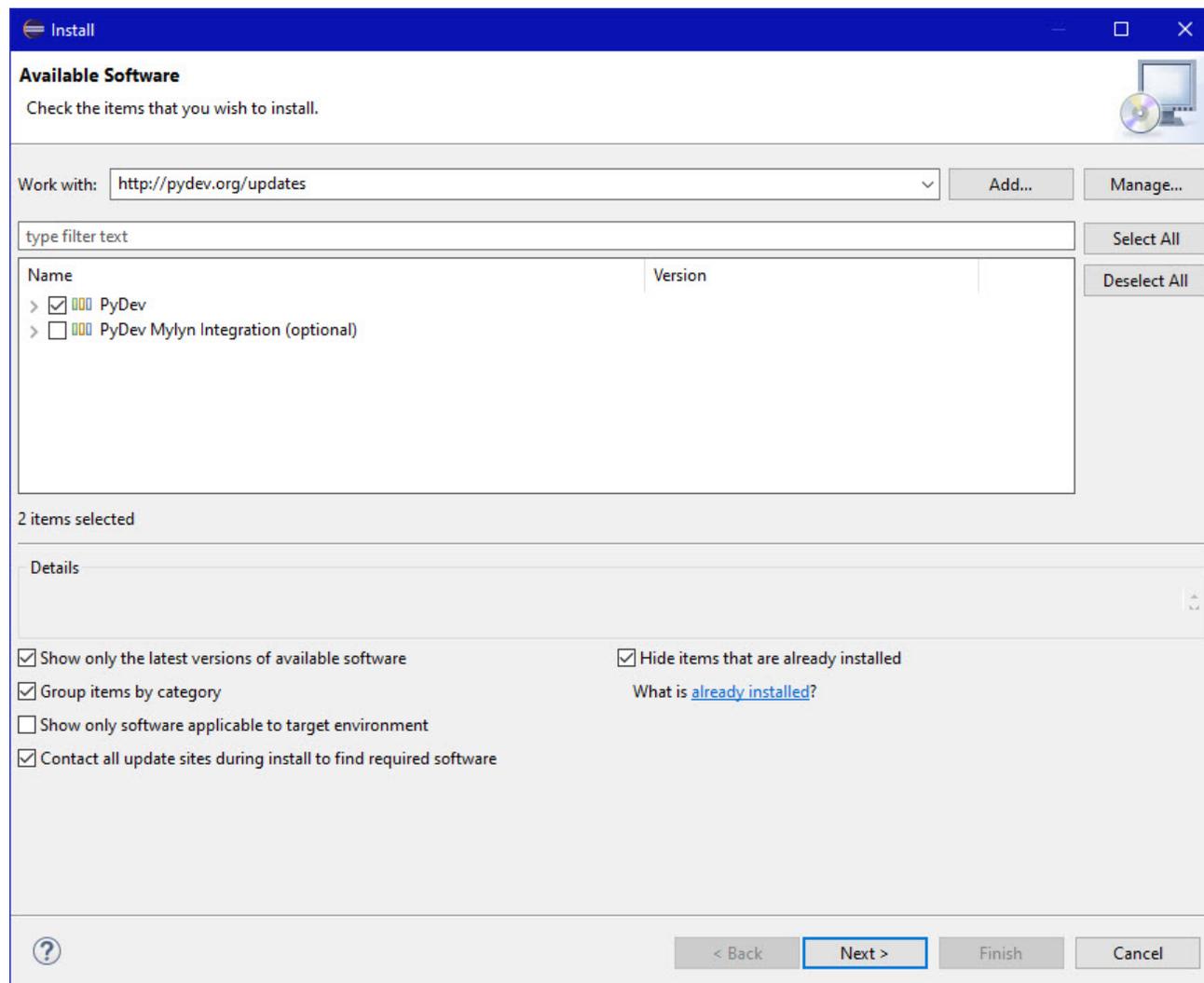


8. Enter the text (or cut/paste from this document) **<http://pydev.org/updates>** into the **Work with** text box and press **Enter** (if that doesn't work, try **<http://www.pydev.org/updates>**).

In a few seconds the information under **Name** should change from **There is no site selected** to **Pending** and ultimately to

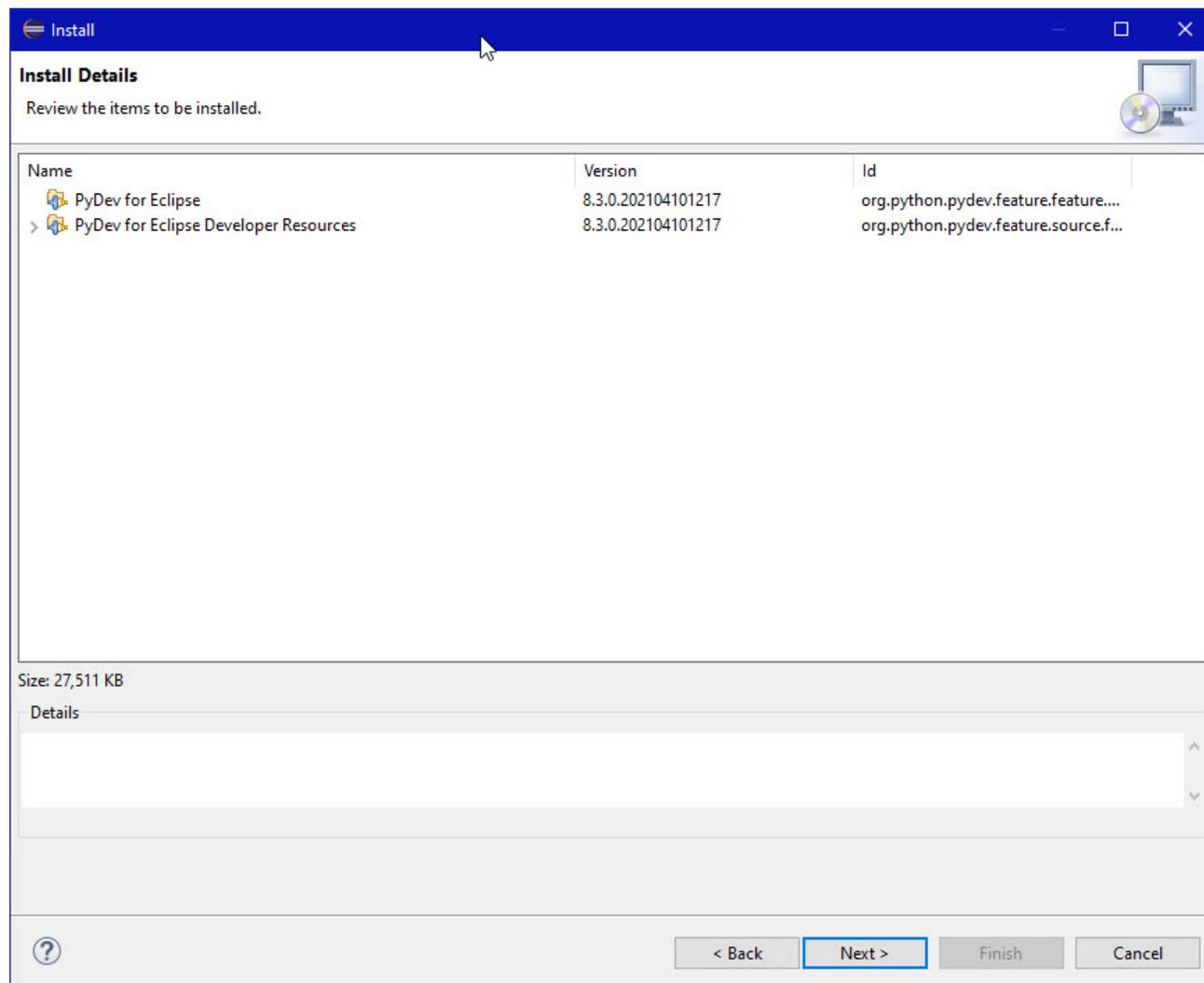
```
>   PyDev
>   PyDev Mylyn Integration (optional)
```

Select only the top **PyDev** checkbox; do **NOT** select the **PyDev Mylyn Integration (optional)** box. Check before proceeding that the **Install** pop-up window appears as



9. Click **Next >**

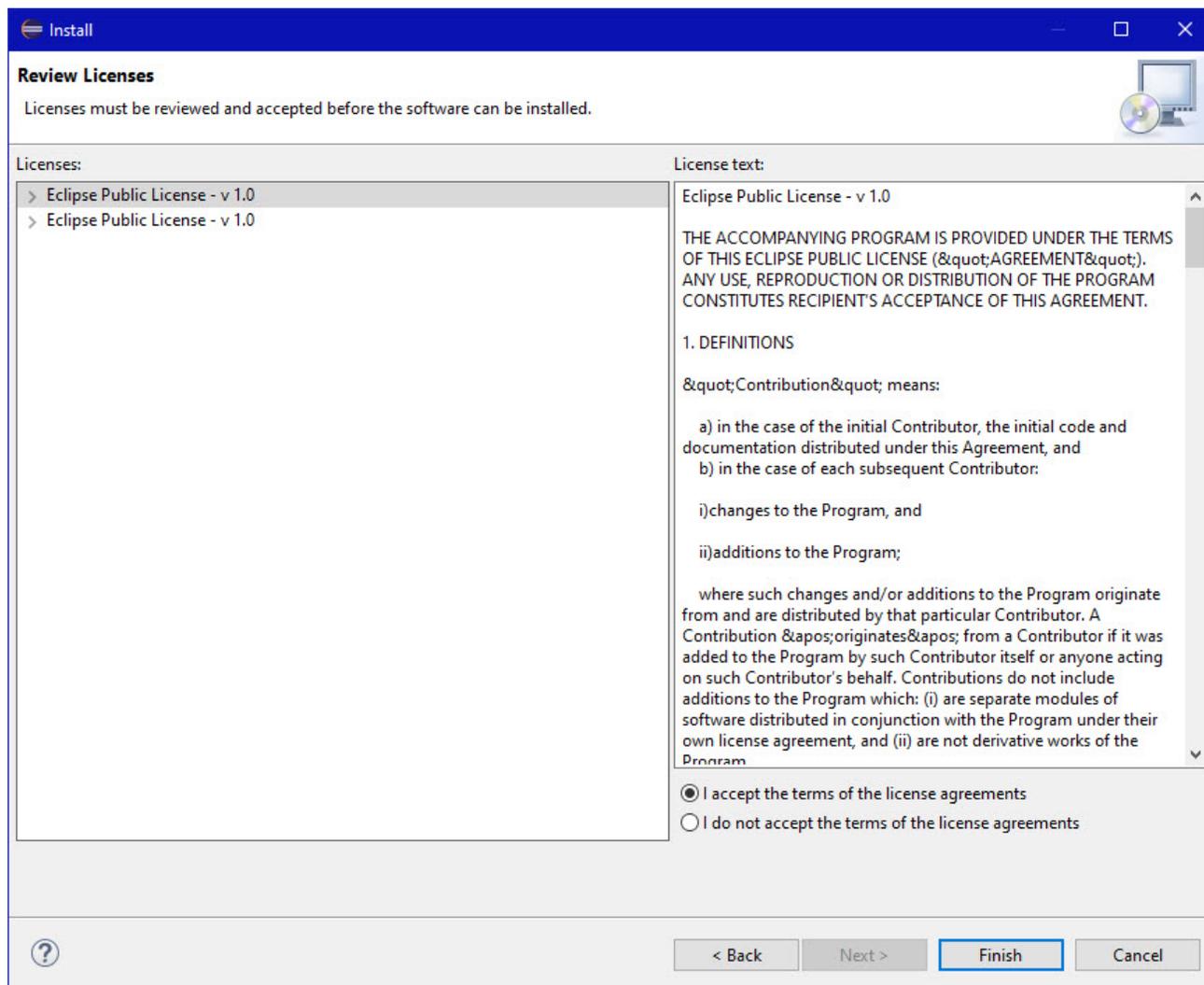
A new **Install** pop-up window will appear.



10. Click **Next >**

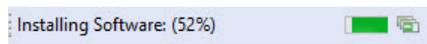
A new **Install** pop-up window will appear.

Select the **I accept the terms of the license agreement** radio button, so the window appears as



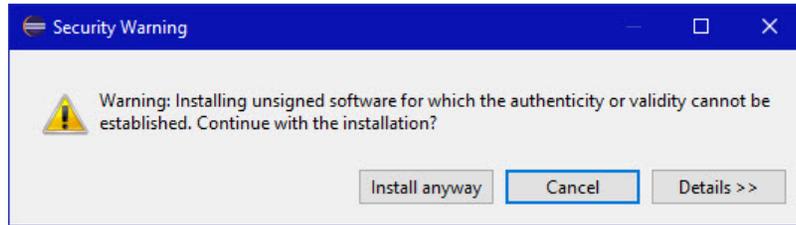
11. Click **Finish**

The lower right-hand corner of the **eclipse-workspace - Eclipse IDE** window will show the various operations it is performing and a progress bar for each one.



Because the installer is fetching various files online, this process might take a few minutes.

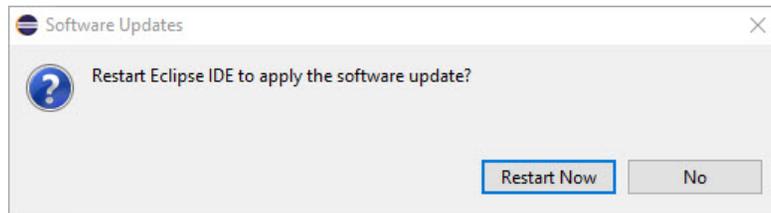
If you see a **Security Warning** pop-up window



Click **Install anyway**.

The installation will finish (the progress bar will disappear).

A **Software Updates** pop-up window will appear.

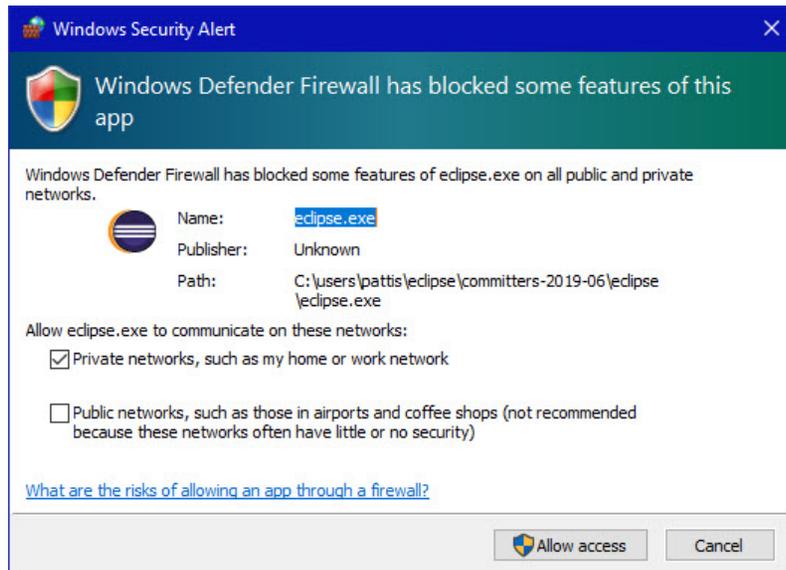


12. Click **Restart Now**

Eclipse will terminate and restart. Once again will show the Eclipse Workbench.

As you did in step 4, if you see a **Welcome Tab** covering the window, terminate it by clicking **OK** on the **Welcome Tab**.

If a **Windows Security Alert** pop-up window appears

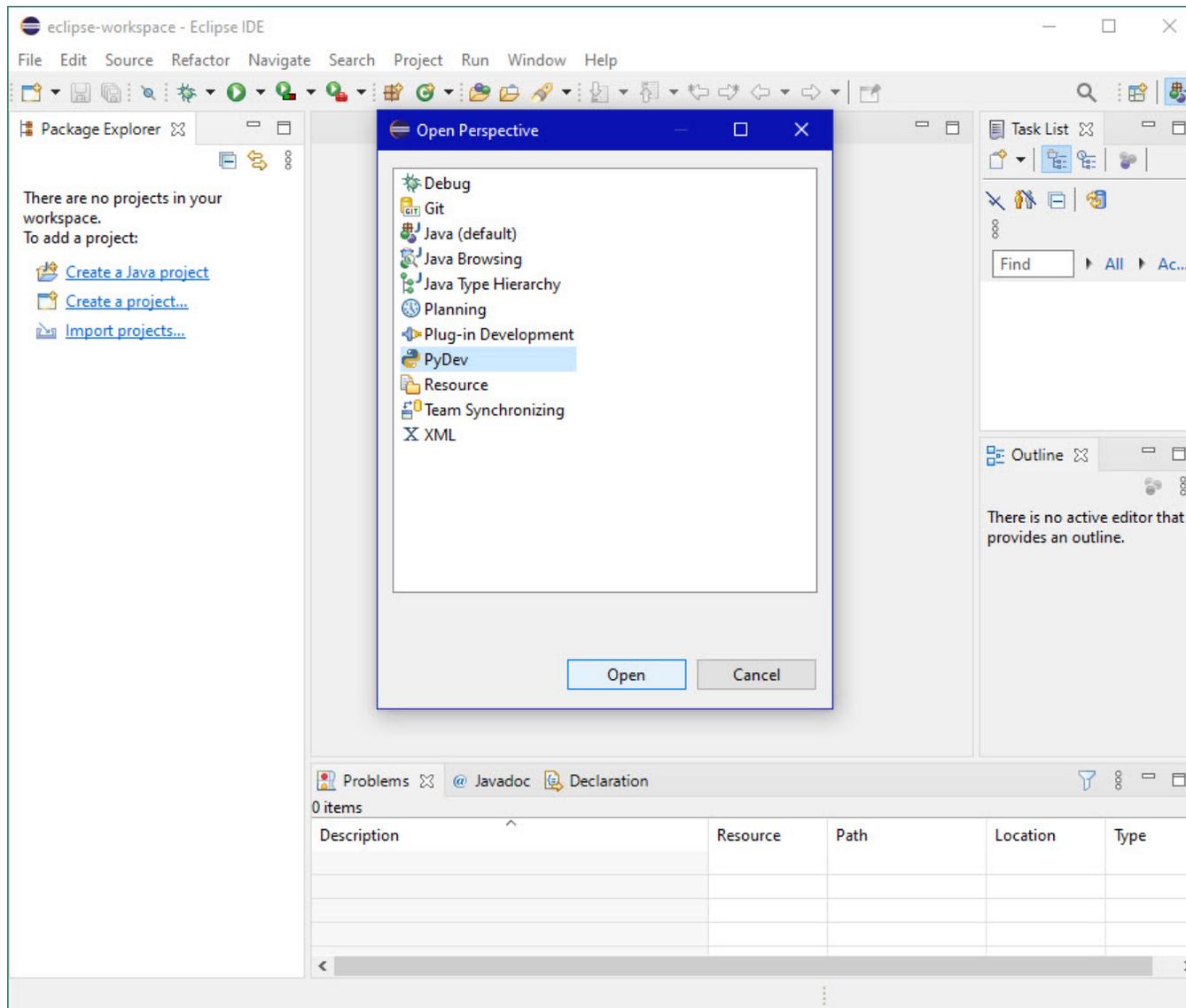


click **Allow Access**.

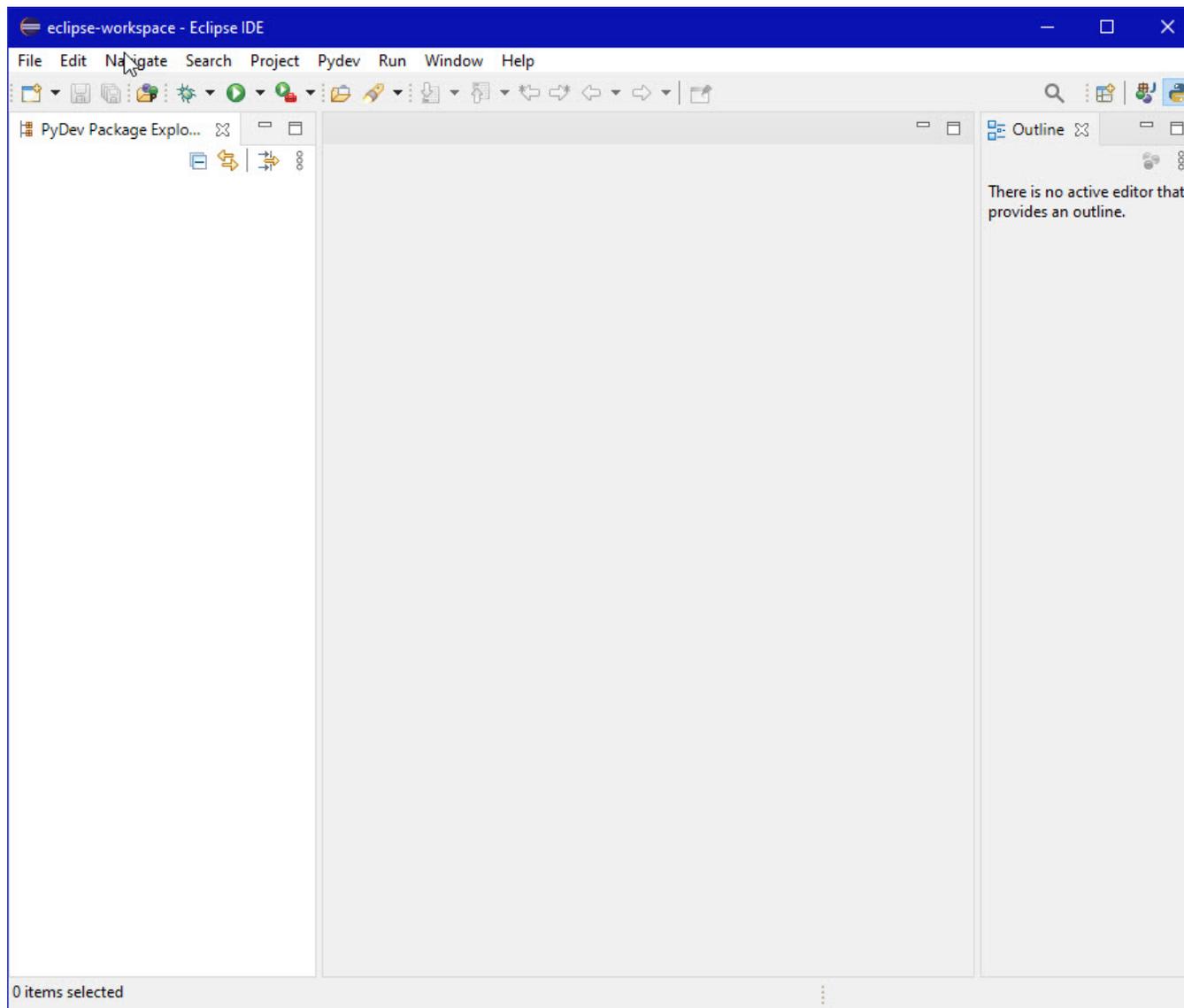
Notice in the upper right-hand corner of the Eclipse Workbench, you should see the following 2 icons.



13. Click the left icon, which displays an **Open Perspective** pop-up window. Click on the "double-snake" Python icon labelled **PyDev** and then click on the **Open** button.



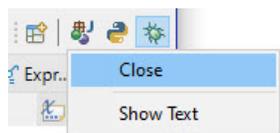
The Eclipse Workbench will now appear as



Repeat this process selecting the "green bug" icon labelled **Debug** in the **Open Perspective** pop-up window. Now the top-right corner should show four icons:

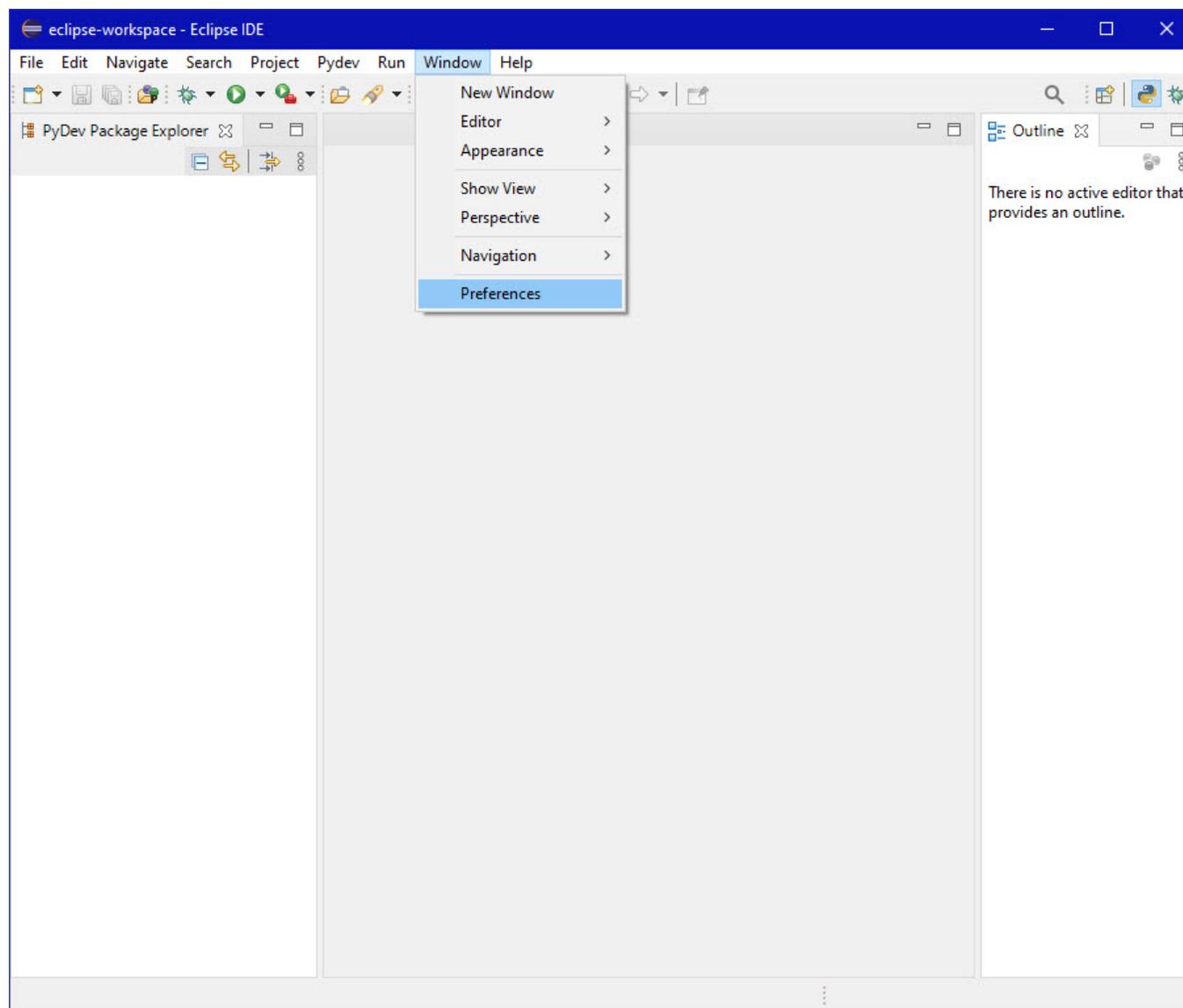


Next, right-click the "J" icon (the second one) and then click **Close**.



Finally, click on the "double-snake" icon. Now the top-right corner should show three icons: 

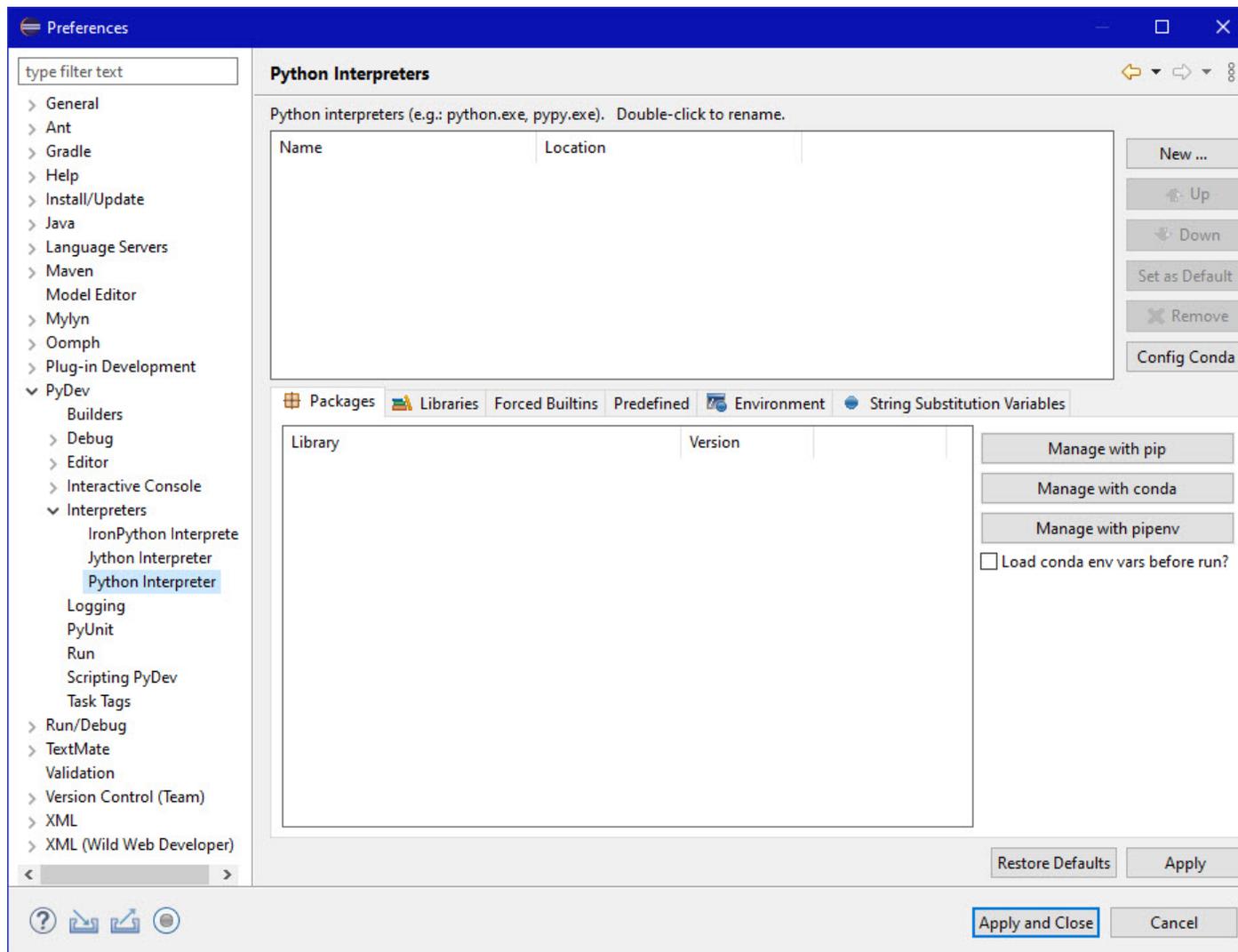
14. Click **Window** (to the left of **Help** on the far right of the line below this window's blue title **eclipse-workspace - Eclipse IDE**) and then click **Preferences** in its pull-down menu, as shown below.



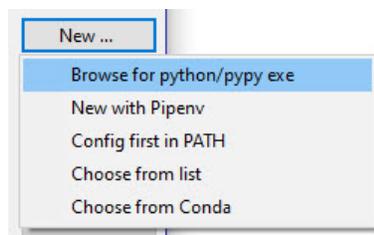
15. Drill down to select the interpreter:

- Disclose **PyDev** by clicking the > in front of **PyDev** or double-clicking **PyDev** (after the >); the > changes to a v.
- Disclose **Interpreters** by clicking the > in front of **Interpreters** or double-clicking **Interpreters** (after the >); the > changes to a v.
- Select/Click **Python - Interpreter**.

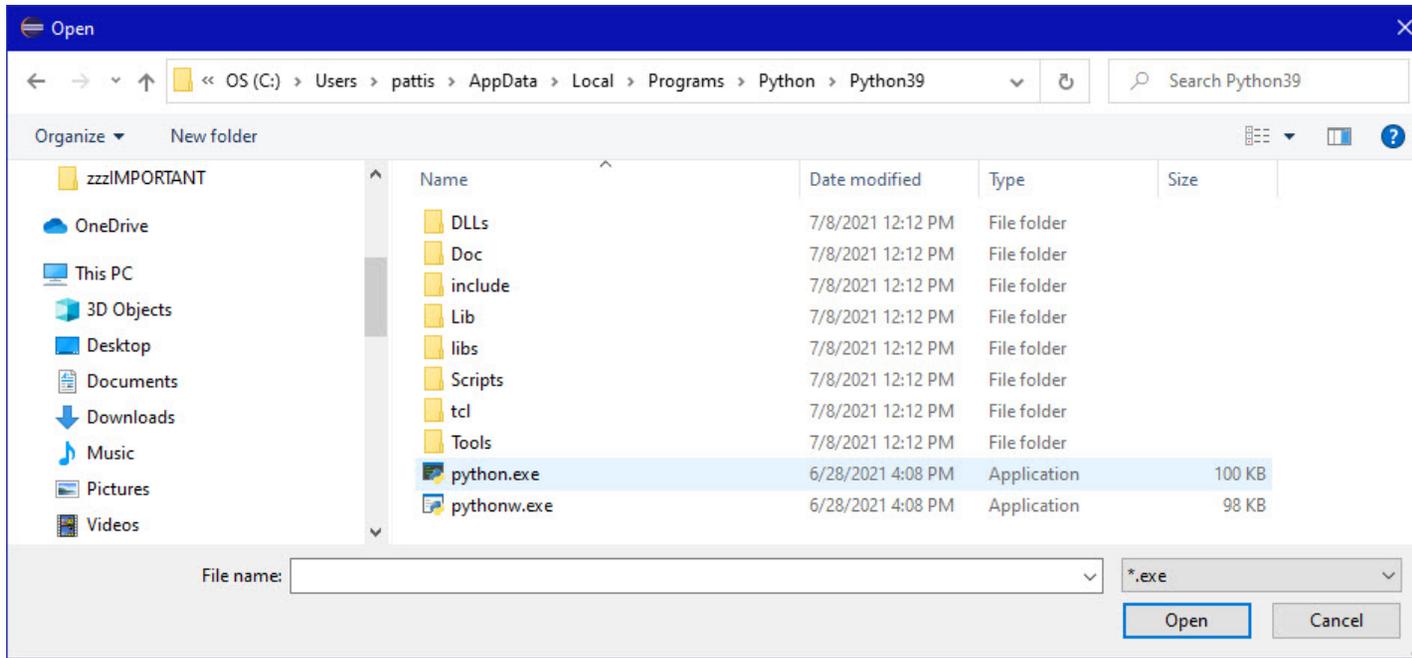
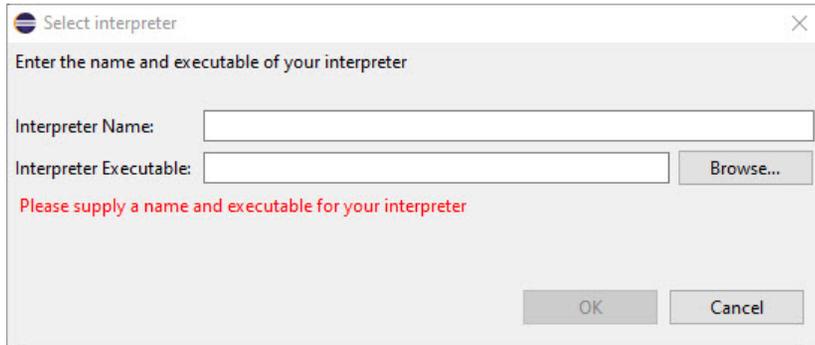
The **Preferences** pop-up window should appear as follows.



16. Click **New...** at the top-right of the top pane and then click **Browse for python/pypy.exe**.

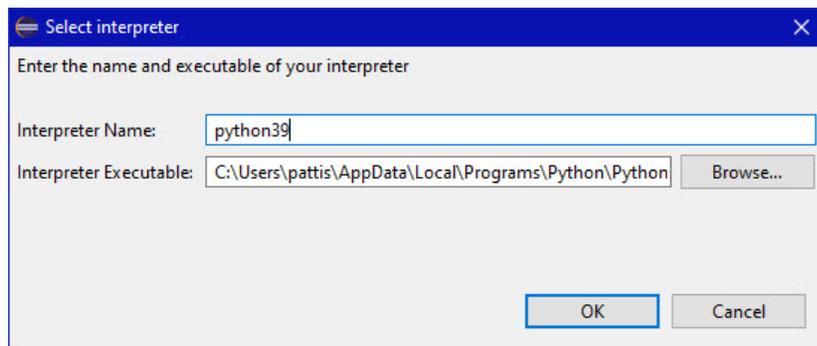


A **Select Interpreter** and **Open** pop-up window appear. In the **Open** pop-up window, navigate to that folder in which Python was installed:
C:\Users\pattis\AppData\Local\Programs\Python\Python39.



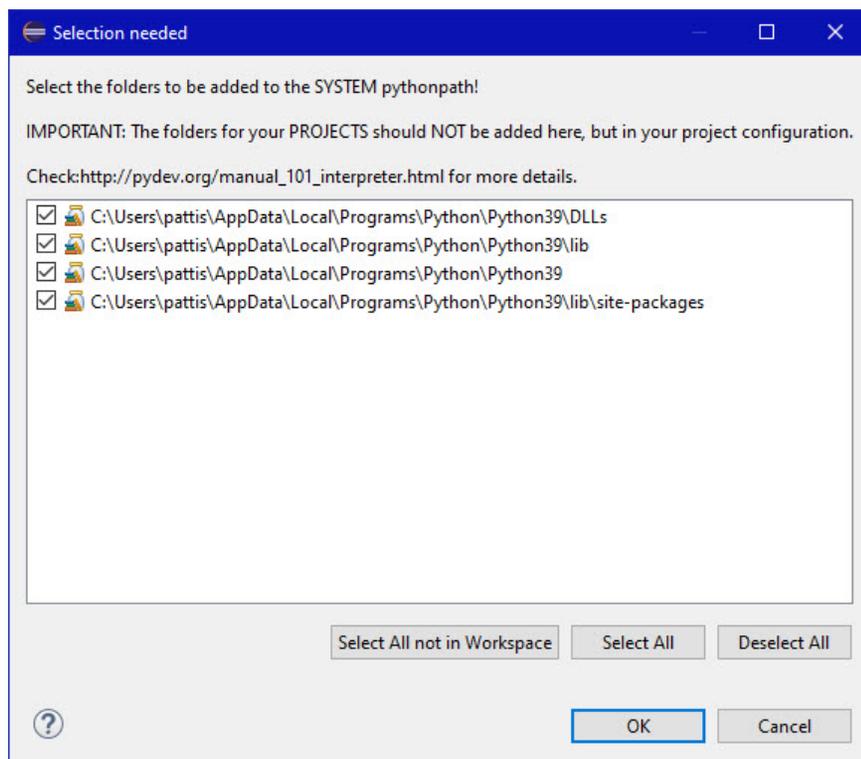
Double-click **python.exe** (or select it and click **Open**).

Change the **Interpreter Name** in the **Select Interpreter** pop-up window from **python** to **Python39** (or whatever the latest version of Python you have installed). The **Select Interpreter** pop-up window should appear as



17. Click **OK**.

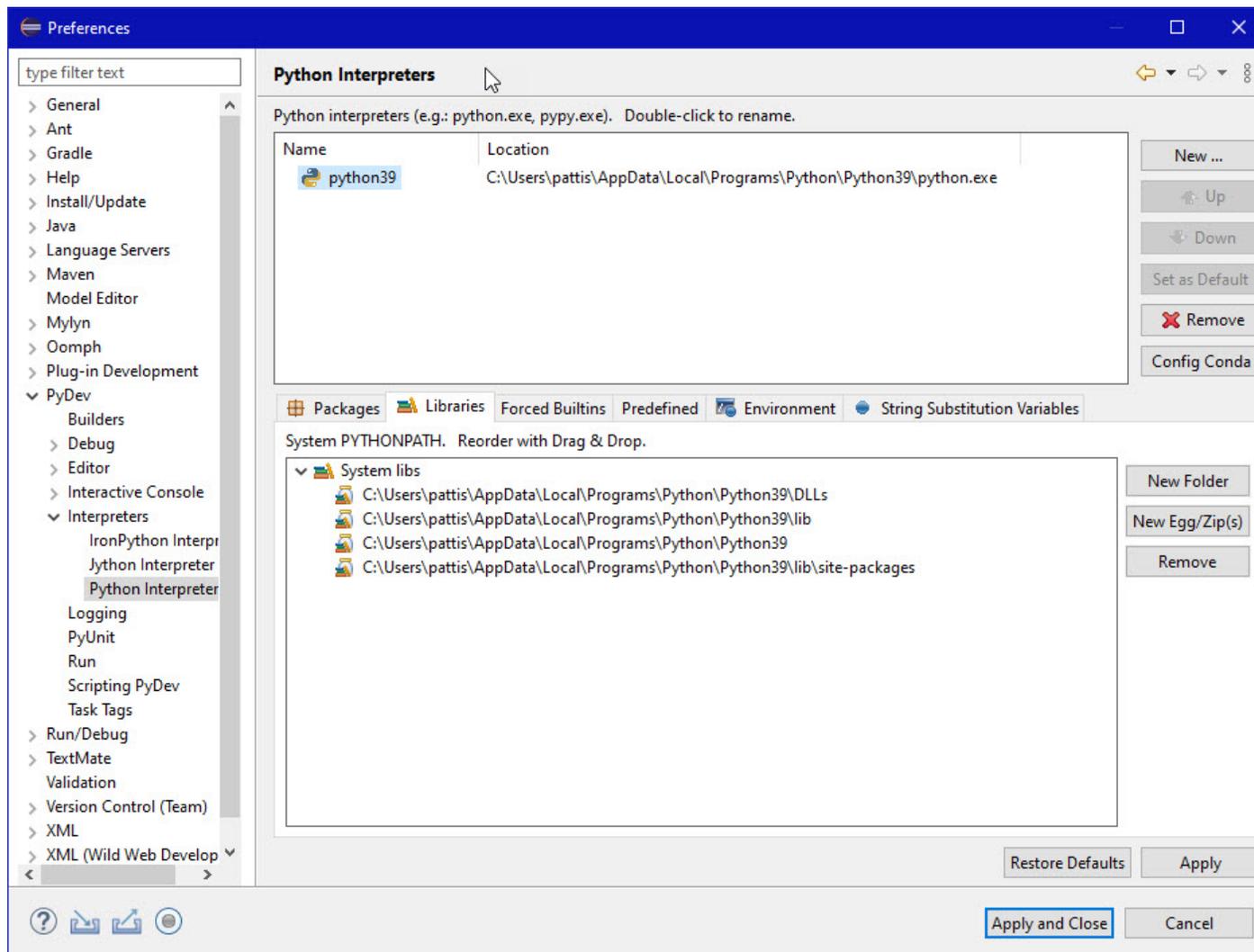
A **Selection needed** pop-up window will appear.



Your window should have all four of these checkboxes checked.

18. Click **OK**.

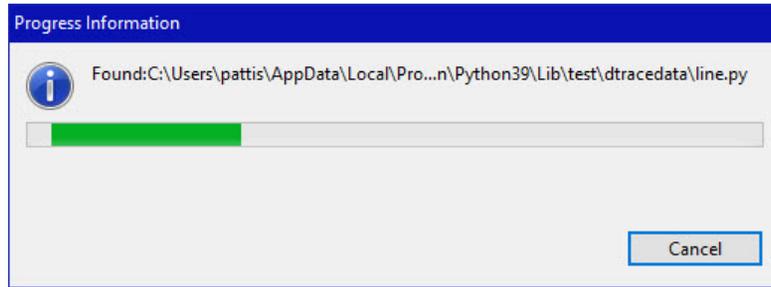
Click the **Libraries** tab (2nd one) above the lower pane. The **Preferences** pop-up window will appear as



Actually, on my system I had to first shrink the **Name** tab and then enlarge the **Location** tab for the top pane, so that I could see the entire path to the Python interpreter.

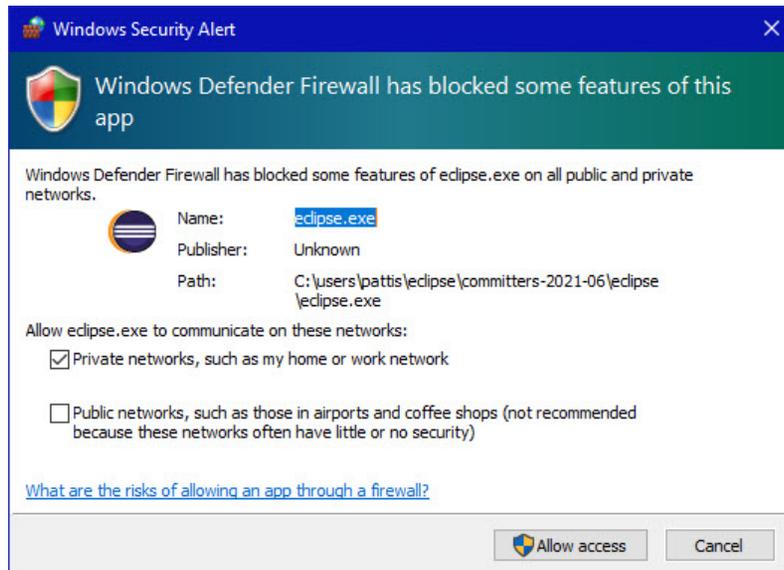
19. Click **Apply and Close**.

A **Progress Information** pop-up window will appear.



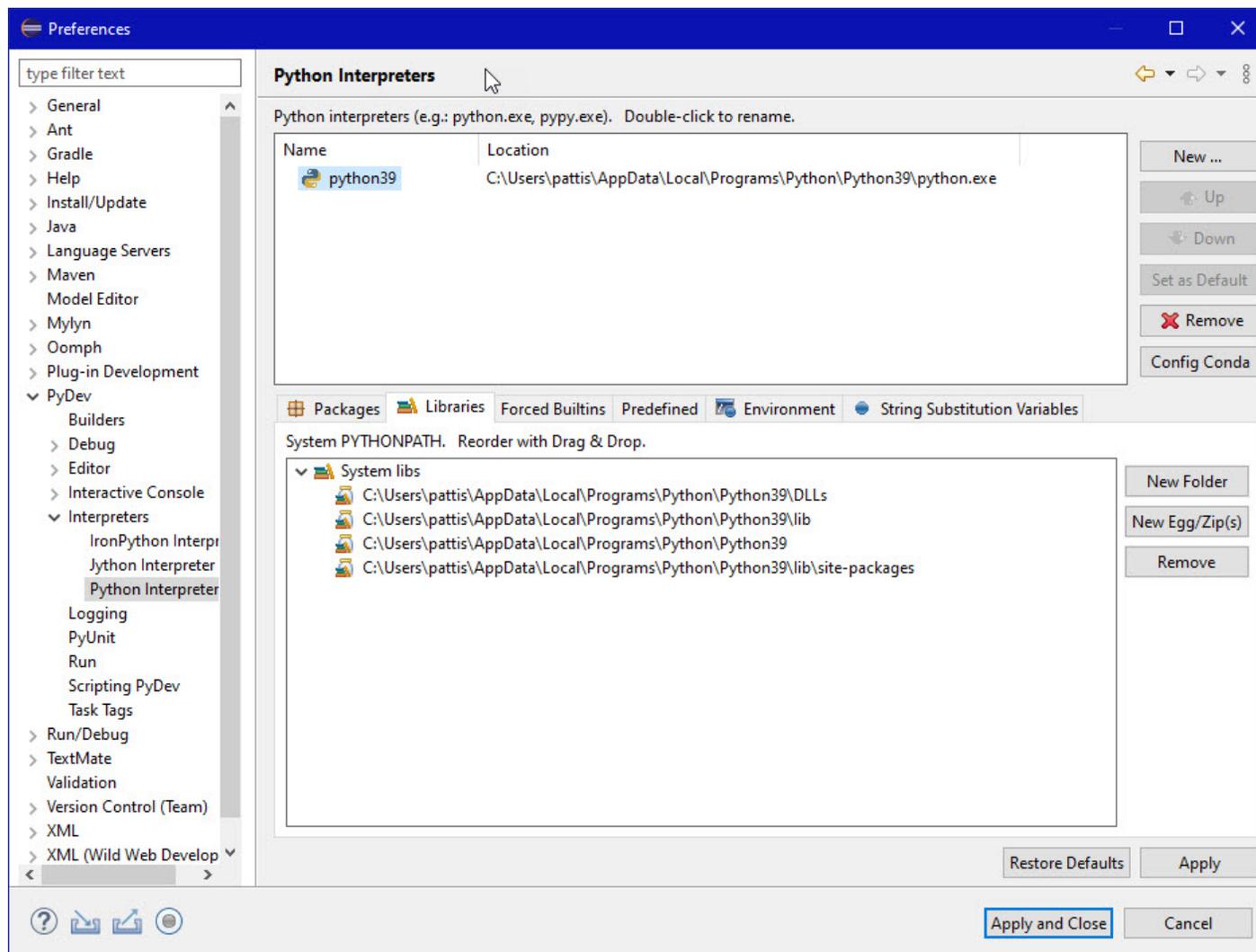
During installation, it will show the various operations it is performing and a progress bar for each one. Eventually the installation will terminate.

If the following pop-up window appears

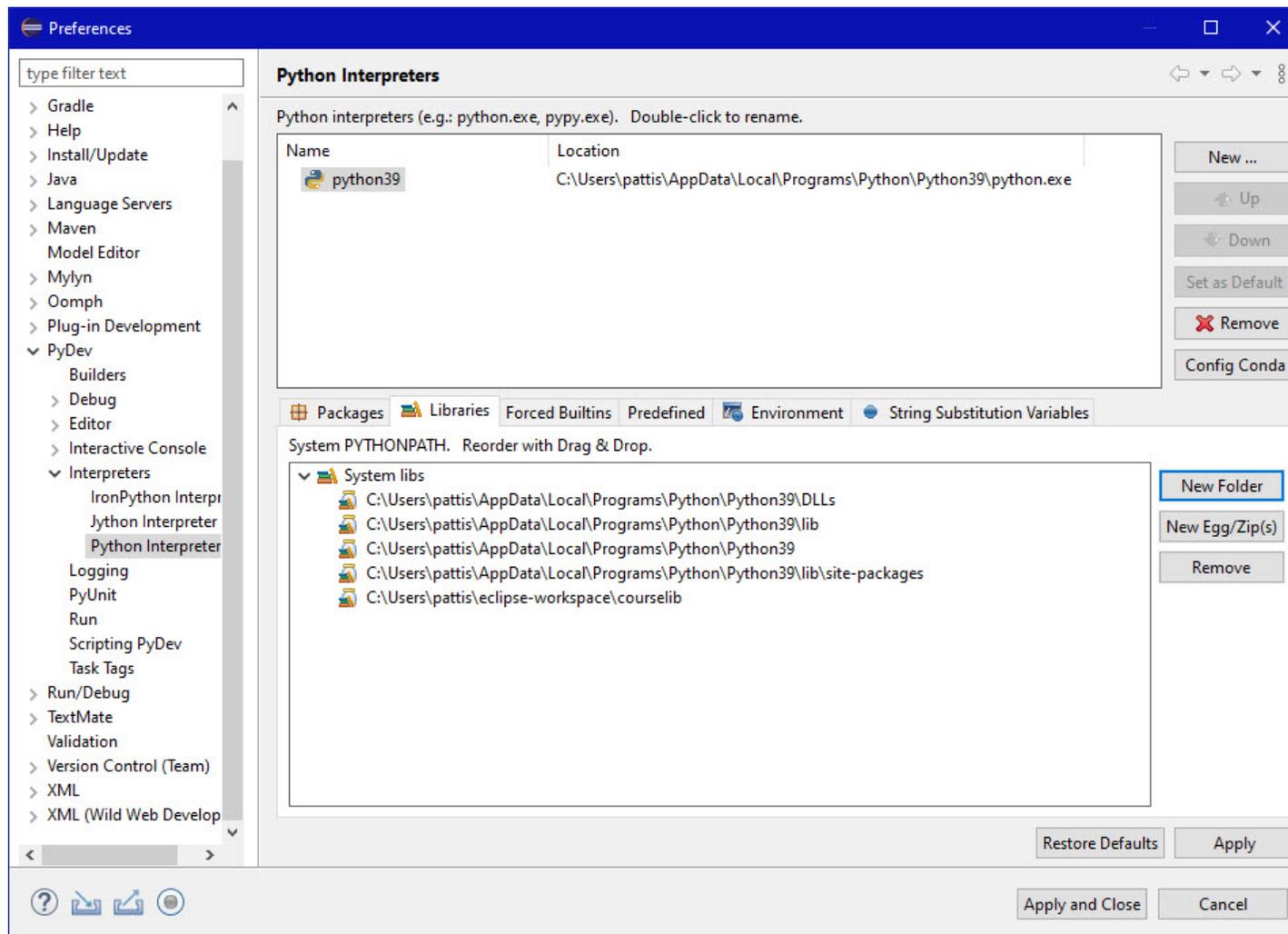


Ensure the "**Public networks, such as those in airports....**" checkbox is **NOT** checked, and then click **Allow Access**.

20. Locate the workspace folder created in step 5 (see C:\Users\yourname\eclipse-workspace) and download the [courselib.zip](#) file into this workspace and unzip it there, producing the **courselib** folder; it should contain a bunch of Python module files (ending in **.py**). From time to time you may be asked to put other course-specific Python module files into this **courselib** folder; these modules will be usable (via **import**) in all Python projects in Eclipse.
21. Inform Eclipse to use the **courselib** folder in all Python projects.
 - o Select **Window | Preferences**.
 - o Disclose **PyDev** by clicking the + in front of **PyDev** or double-clicking **PyDev** (after the +); the + changes to a -.
 - o Disclose **Interpreters** by clicking the + in front of **Interpreters** or double-clicking **Interpreters** (after the +); the + changes to a -.
 - o Select **Python - Interpreter**.
 - o Click the **Libraries** tab (2nd above the bottom pane).



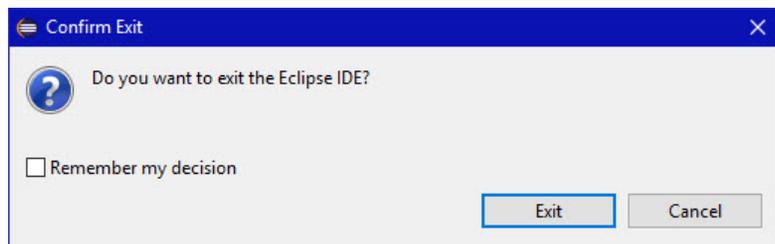
- Click the **New Folder** button (topmost, right of the bottom pane).
- Browse to the **courselib** folder (added above) in the **Browse for Folder** pop-up window (`C:\Users\yourname\eclipse-workspace\courselib`).
- Click the **courselib** folder selected, and then click **SelectFolder**.
Notice a fifth entry (`C:\Users\yourname\eclipse-workspace\courselib`) appears in the bottom-right pane named **System PYTHONPATH. Reorder with Drag & Drop**.
- Click **Apply** (you will see some progress bars).
The pop-up window should now appear as



- o Click **Apply and Close**. You will see a brief progress bar on your screen.

22. Terminate (click **X** on) the Eclipse window.

You may see a **Confirm Exit** pop-up window.



If you do, Click the **Exit** button.

Eclipse will terminate.

Eclipse is now installed for Python. It can be activated by click the Eclipse shortcut icon  which should appear on your desktop. It's actual name will be **Eclipse IDE for Eclipse Committers - 2021-06** but I suggest just renaming it **Eclipse**.
