

CNT 4603: System Administration Spring 2012

Configuring Eclipse For Python

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Configuring Eclipse For Python

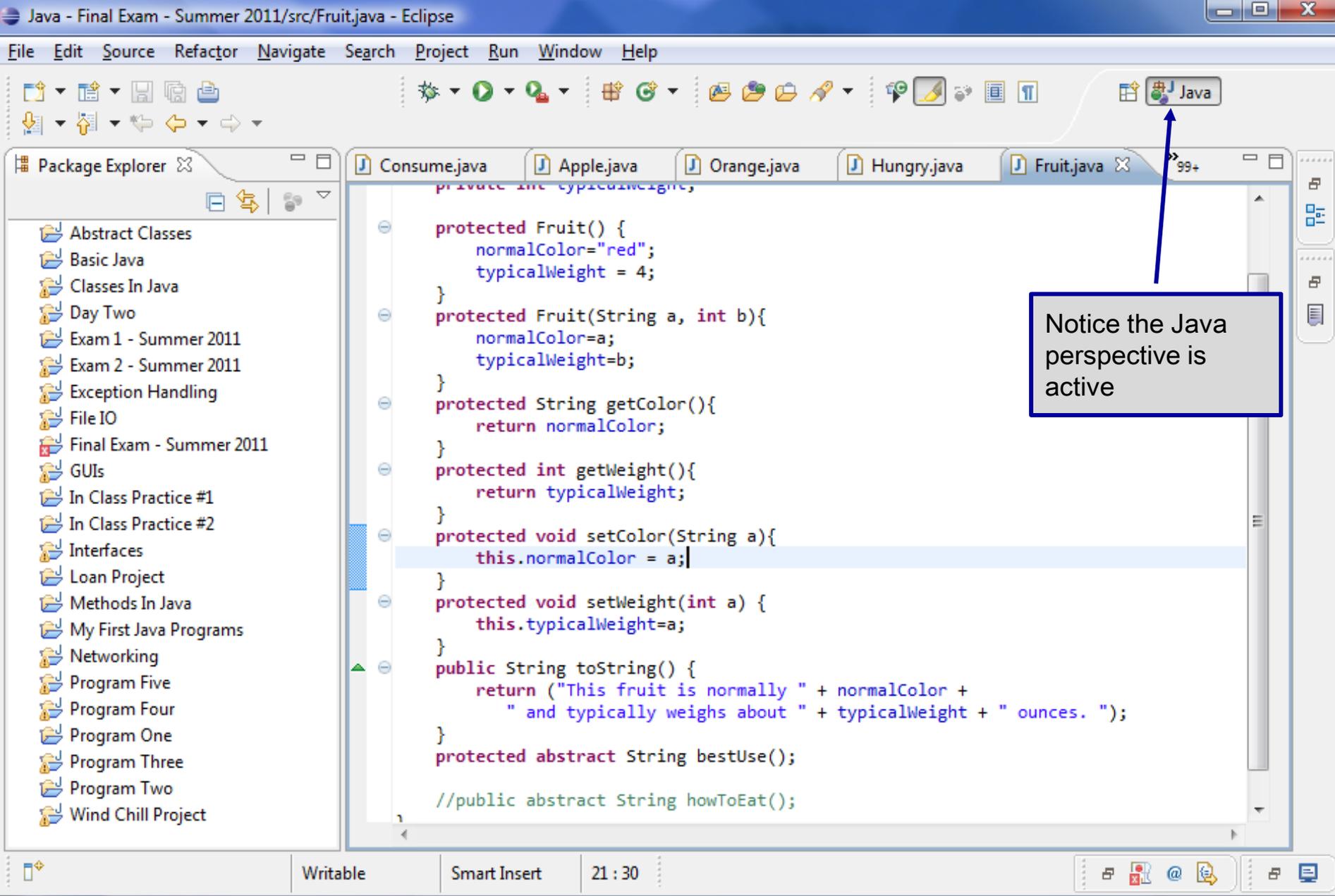
- Before you configure the Eclipse IDE for Python, you must first have Python installed on your system.
- As indicated in the first part of the Python notes, there are typically a couple of current Python environments. You'll need to select one of these for the Eclipse environment during the setup (if you have more than one Python environment installed).
- Obviously, you also need to have Eclipse installed on your system before starting this sequence as well. I'm illustrating this using the latest Eclipse IDE which is known as Indigo.
- To configure Eclipse for Python follow the steps beginning on the next page.

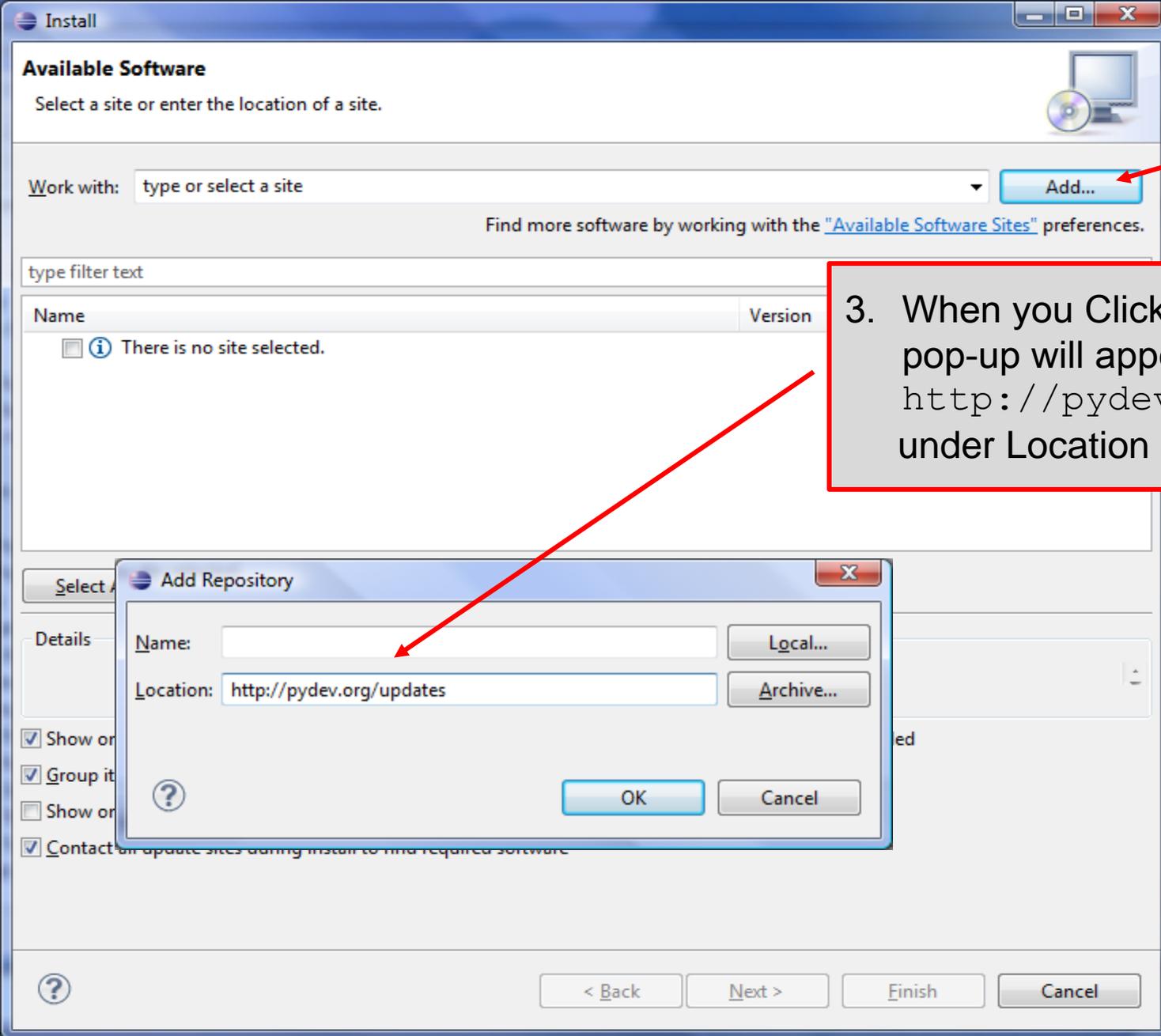


Configuring Eclipse For Python

- I imagine that most of you probably have your default Eclipse environment set for a Java perspective which will look something like the screenshot on the next page depending on how you've customized your Java perspective.
 - From this main screen is where you'll begin the process of installing the Python development environment.
1. From the Java perspective, go to Help > Install New Software. You'll see the window that appears on page 5.



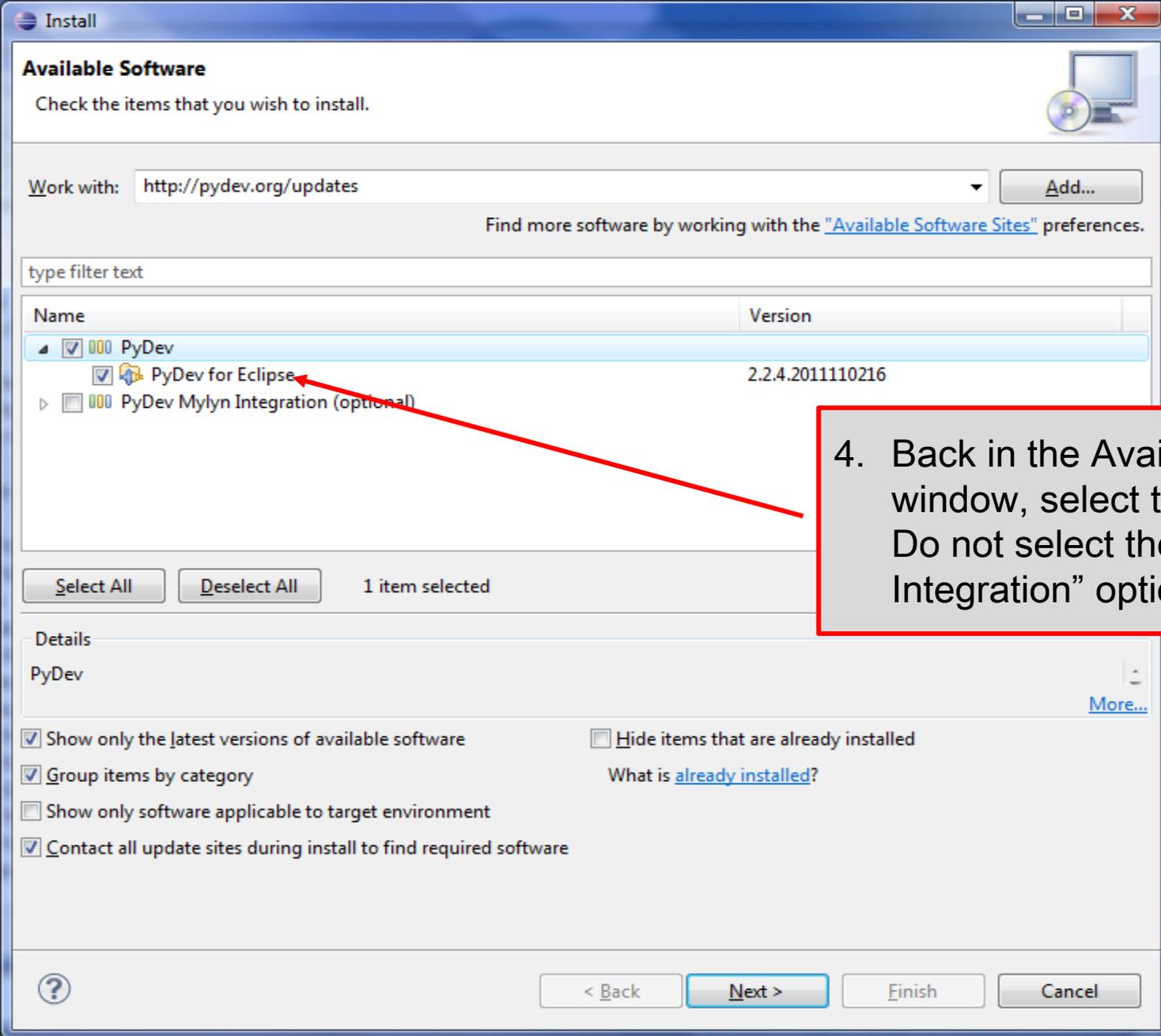




2. Click Add

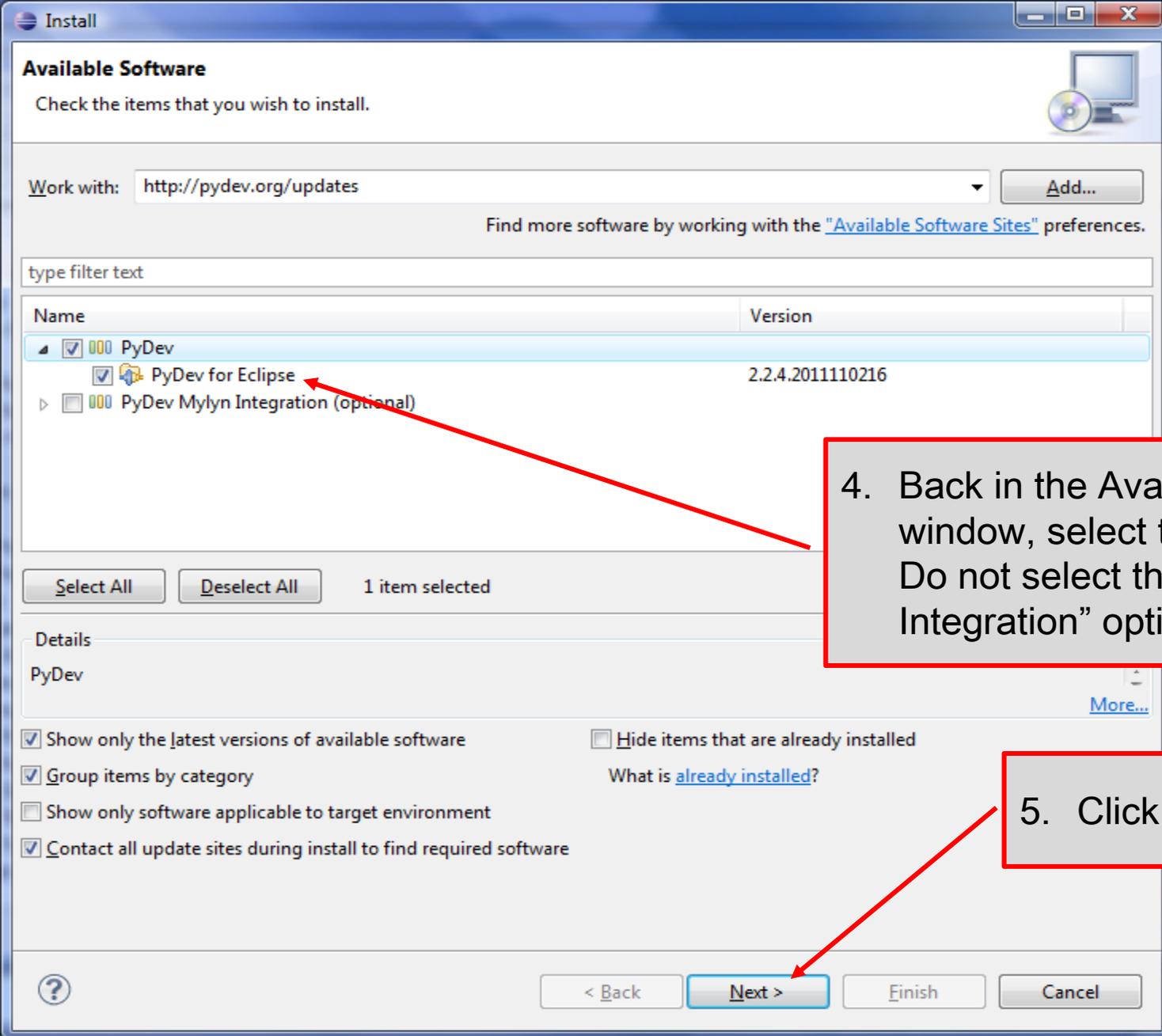
3. When you Click Add in #2, this pop-up will appear. Enter: `http://pydev.org/updates` under Location and click OK.





4. Back in the Available Software window, select the “pyDev” option. Do not select the “PyDev Mylyn Integration” option.

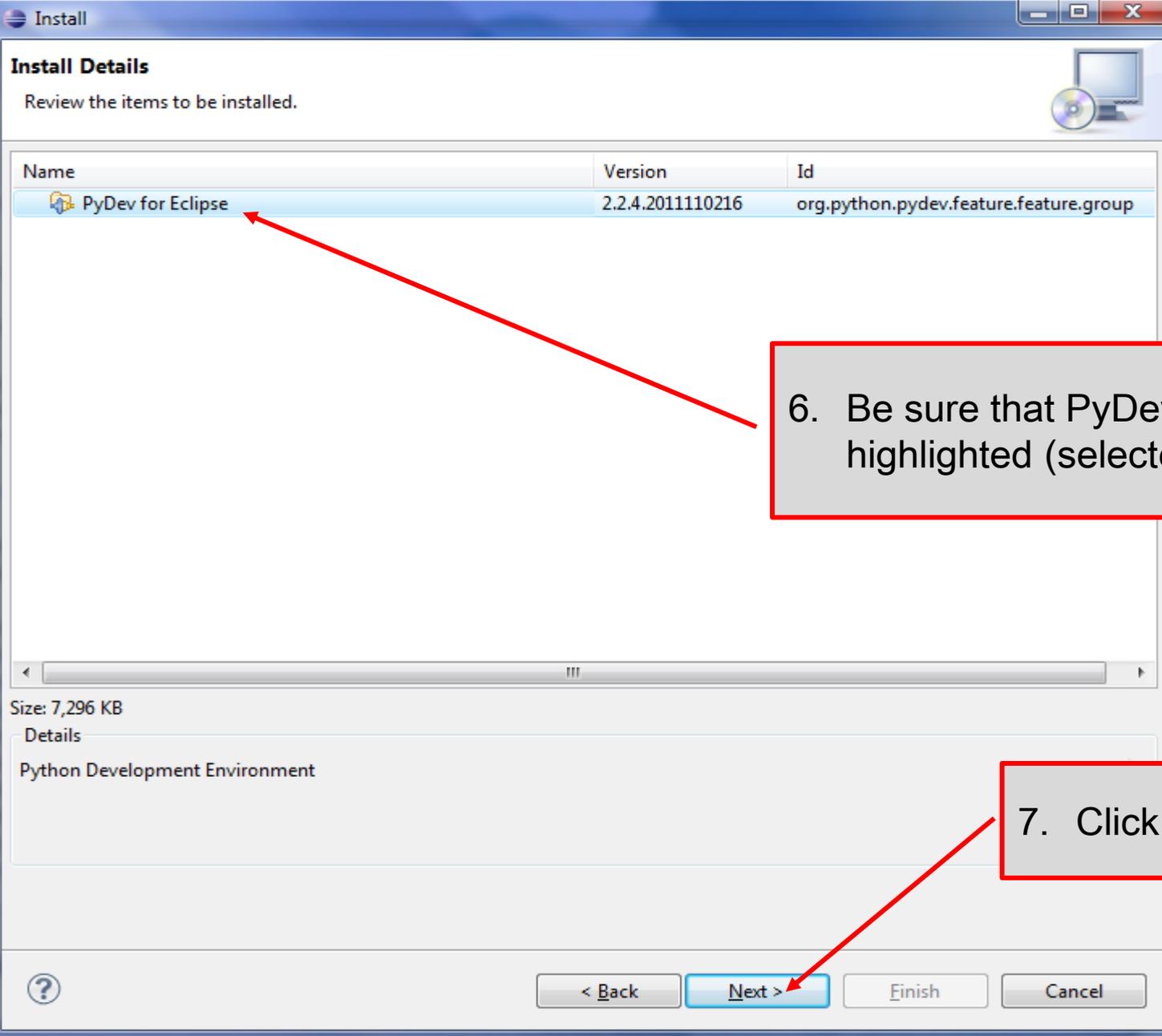




4. Back in the Available Software window, select the “pyDev” option. Do not select the “PyDev Mylyn Integration” option.

5. Click Next.

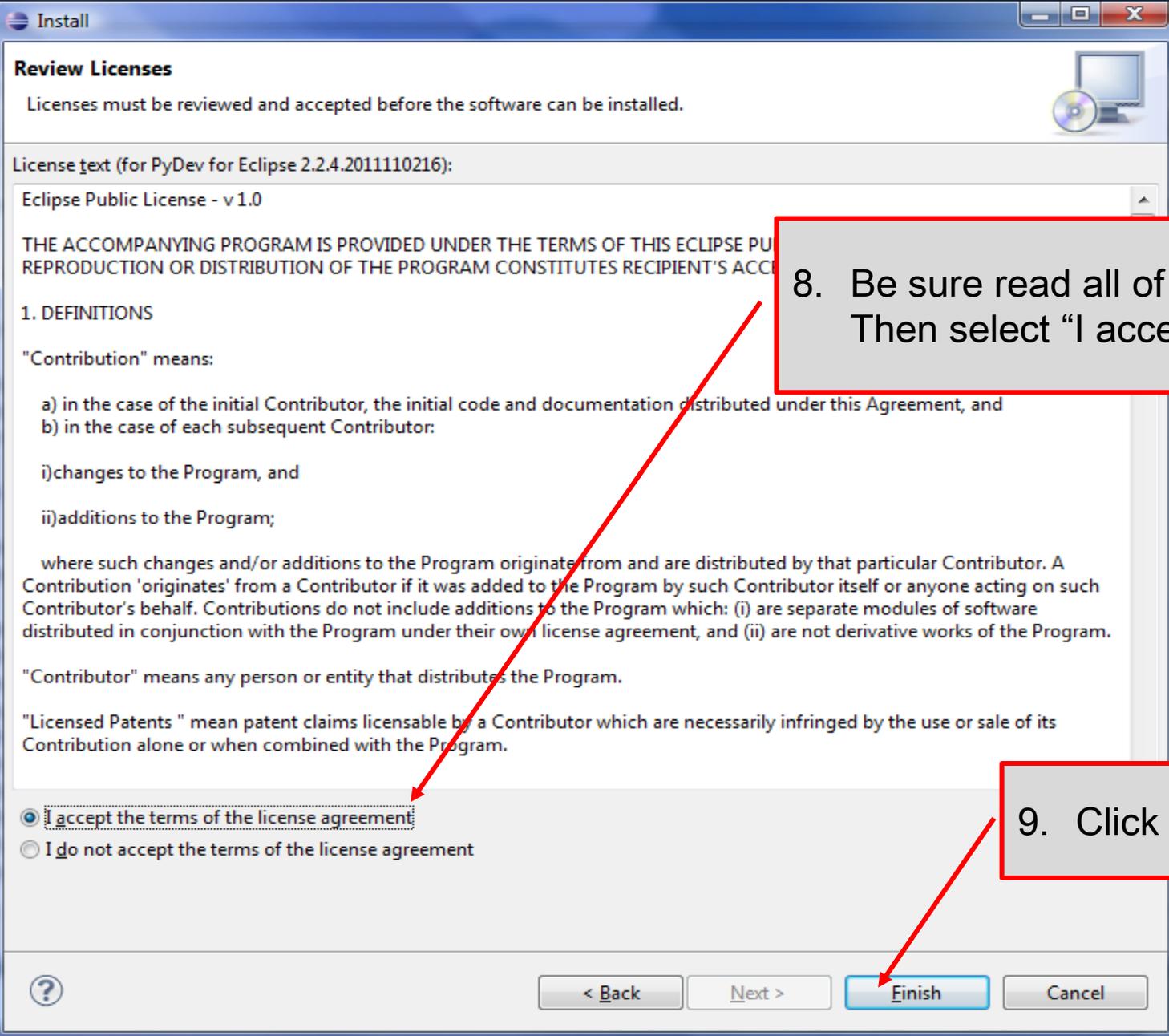




6. Be sure that PyDev for Eclipse is highlighted (selected).

7. Click Next.

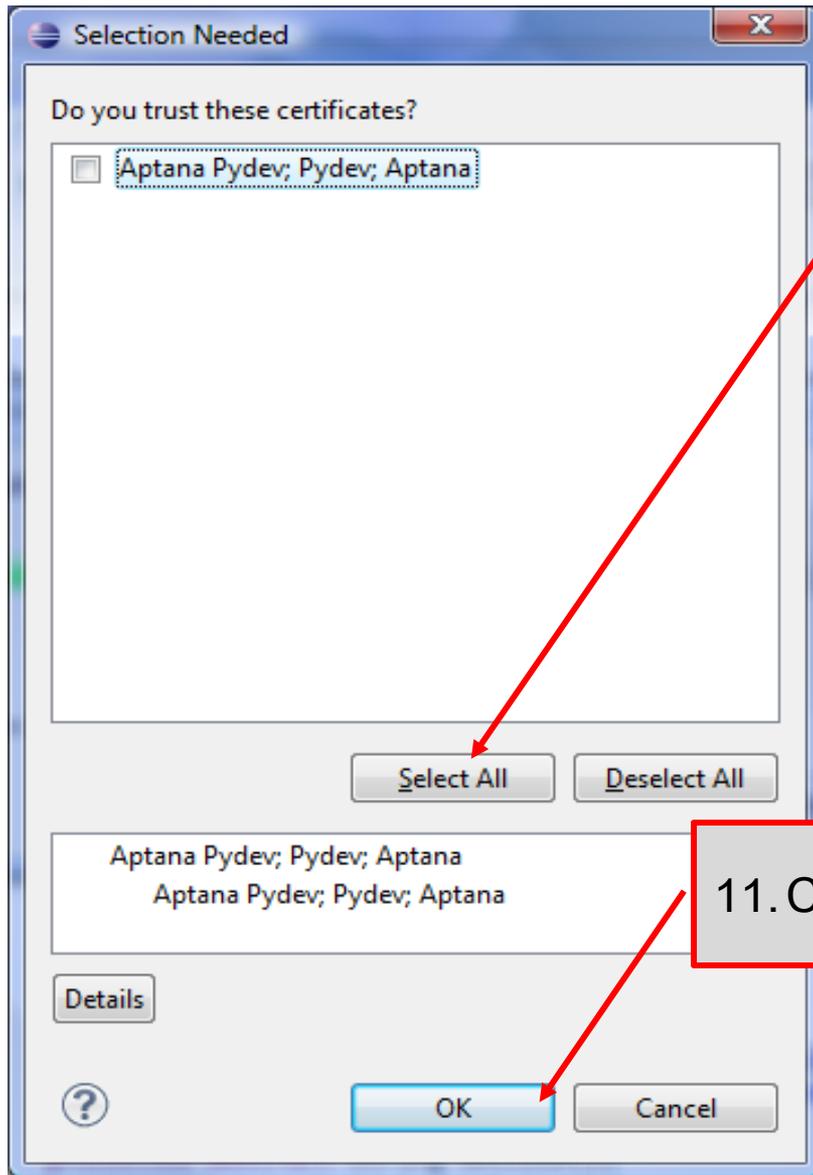




8. Be sure read all of this (yeah right!) Then select "I accept..."

9. Click Finish.





10. Click "Select All"

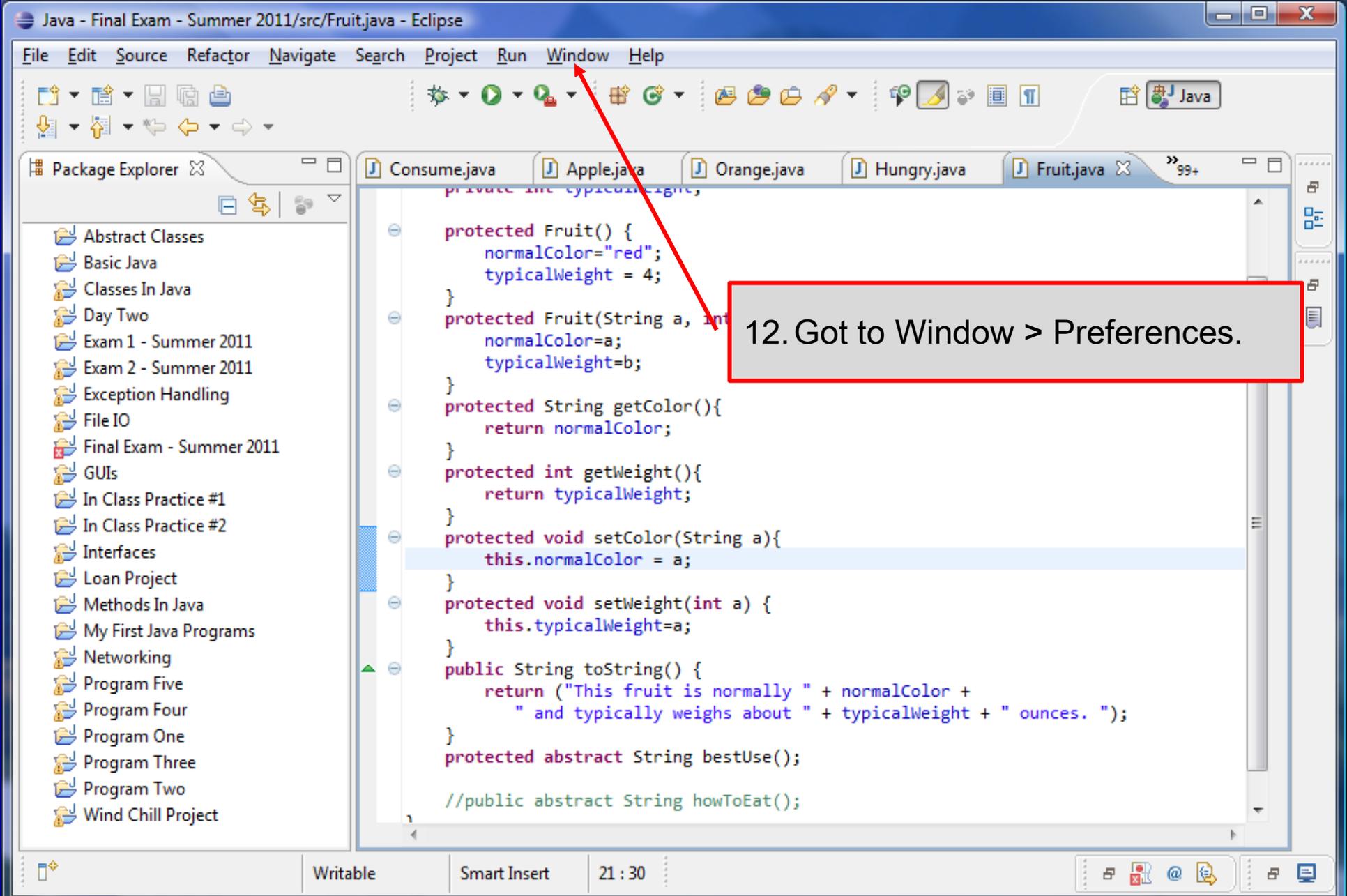
11. Click OK.

Once you click OK, Eclipse will ask you to restart.

Restart Eclipse now.

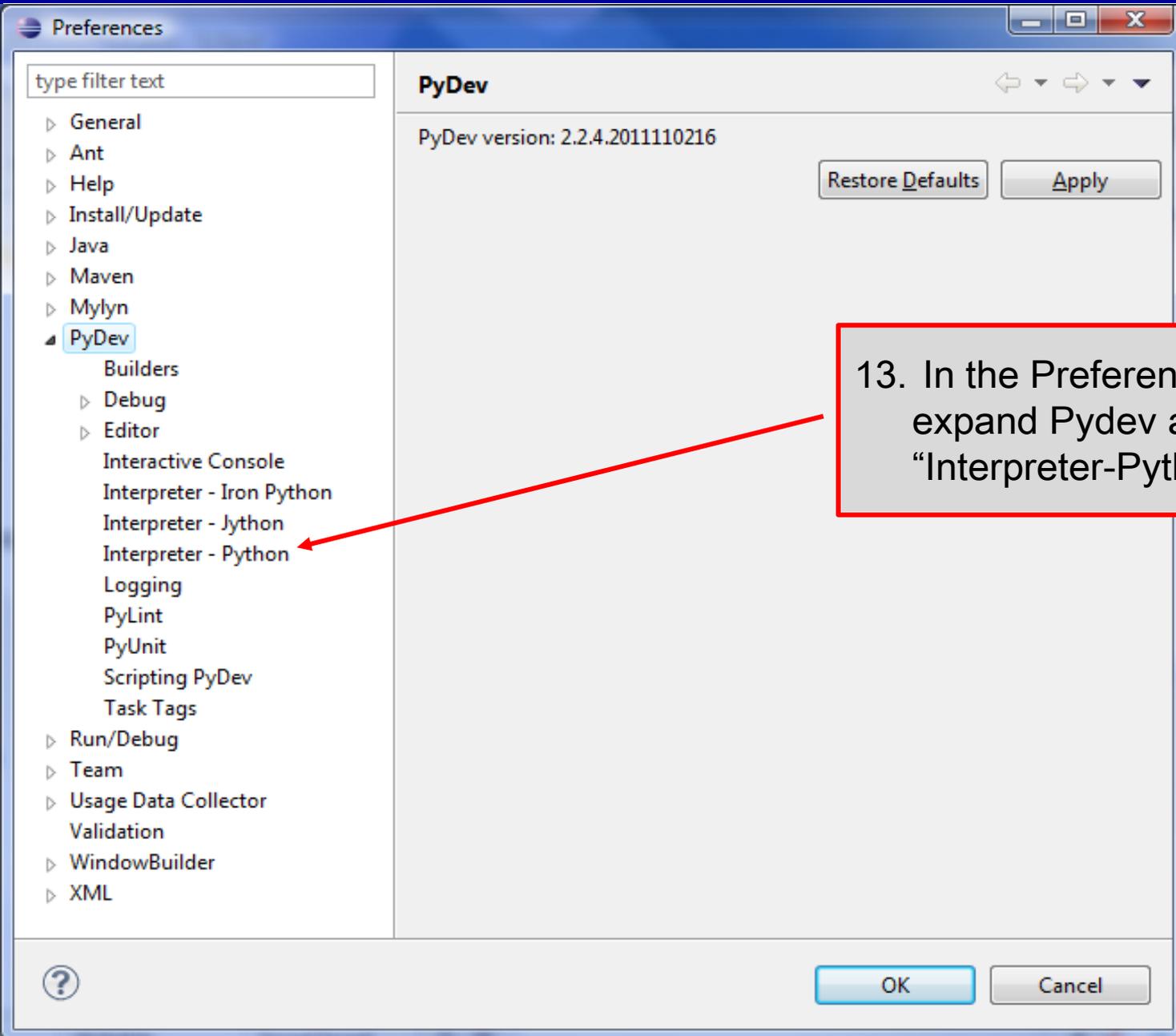
Go to the next page to configure the Python development environment.





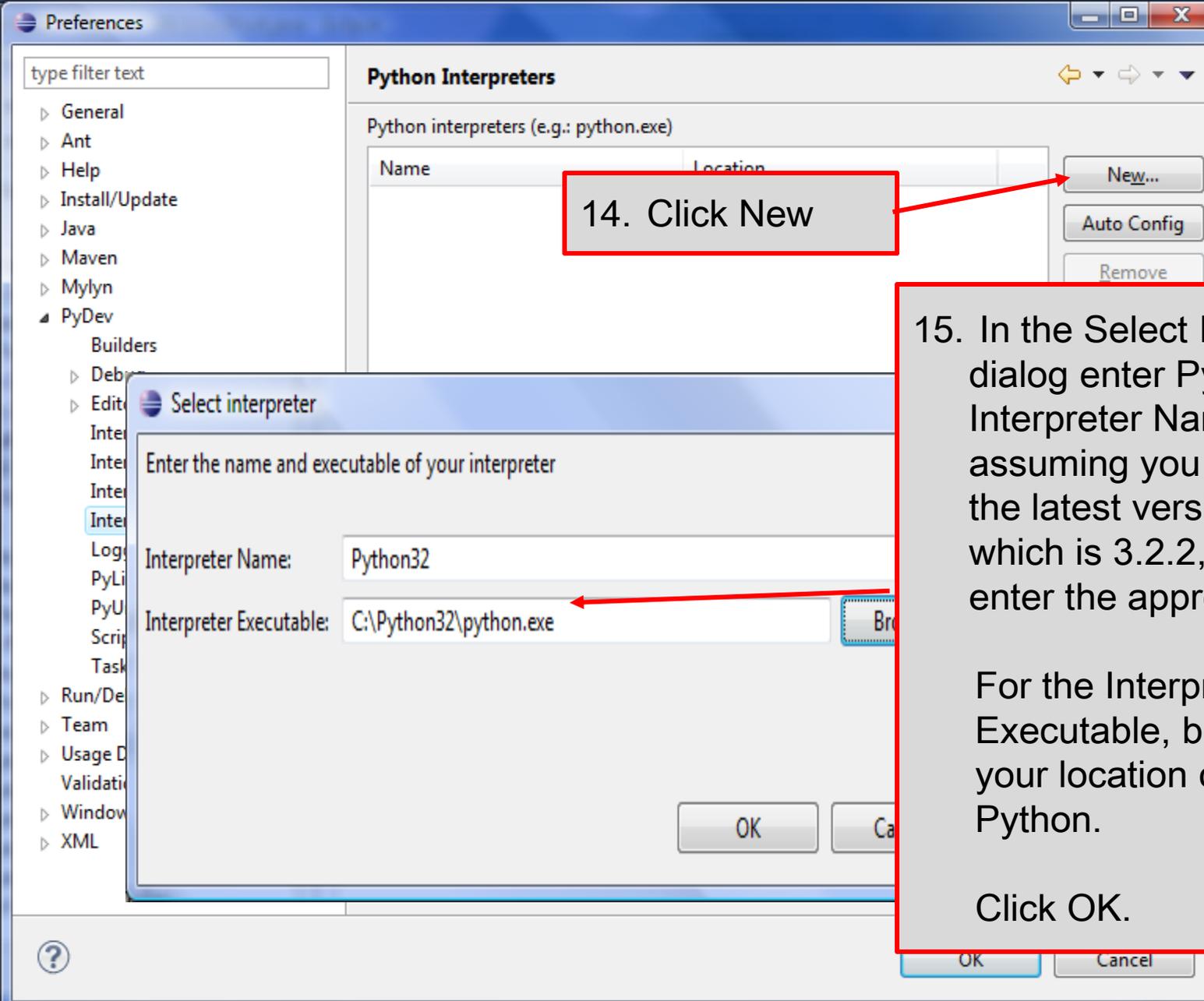
12. Got to Window > Preferences.





13. In the Preferences window, expand Pydev and select “Interpreter-Python”





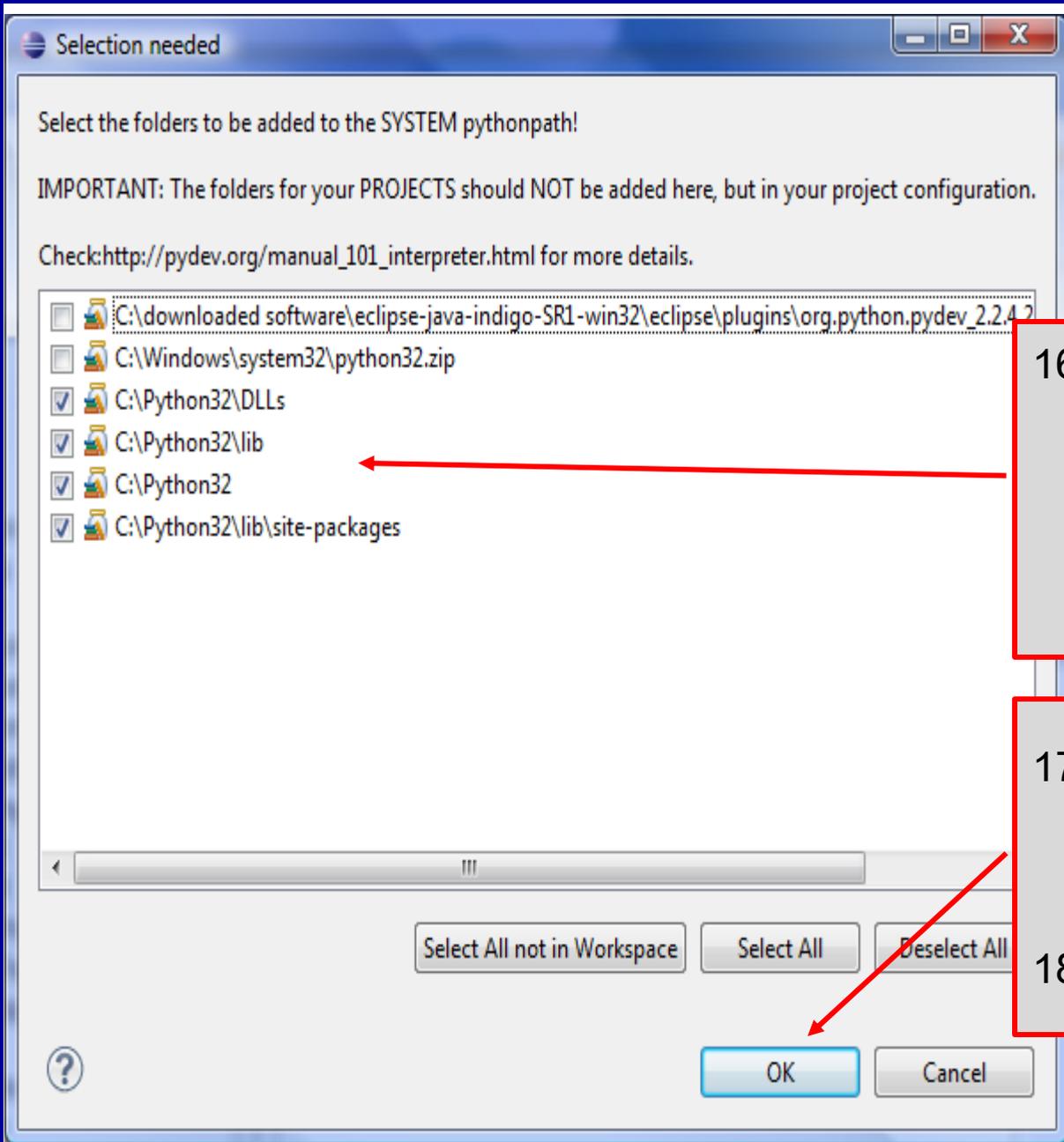
14. Click New

15. In the Select Interpreter dialog enter Python32 for the Interpreter Name. (I'm assuming you downloaded the latest version of Python which is 3.2.2, otherwise enter the appropriate name.)

For the Interpreter Executable, browse to your location of Python.

Click OK.



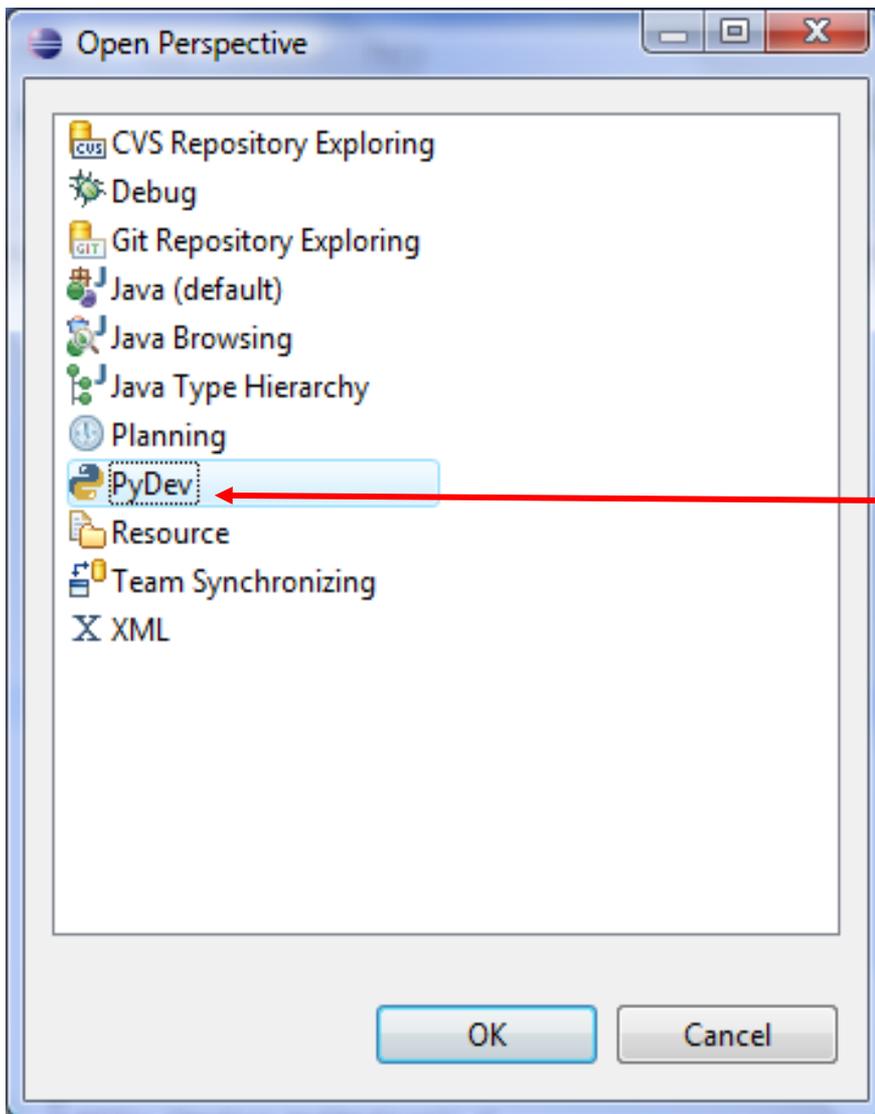


16. In the Selection needed dialog, select all but the PySrc and python32.zip and select OK. (These are probably already auto selected, but be sure.)

17. Click OK as many times as necessary to exit the preferences.

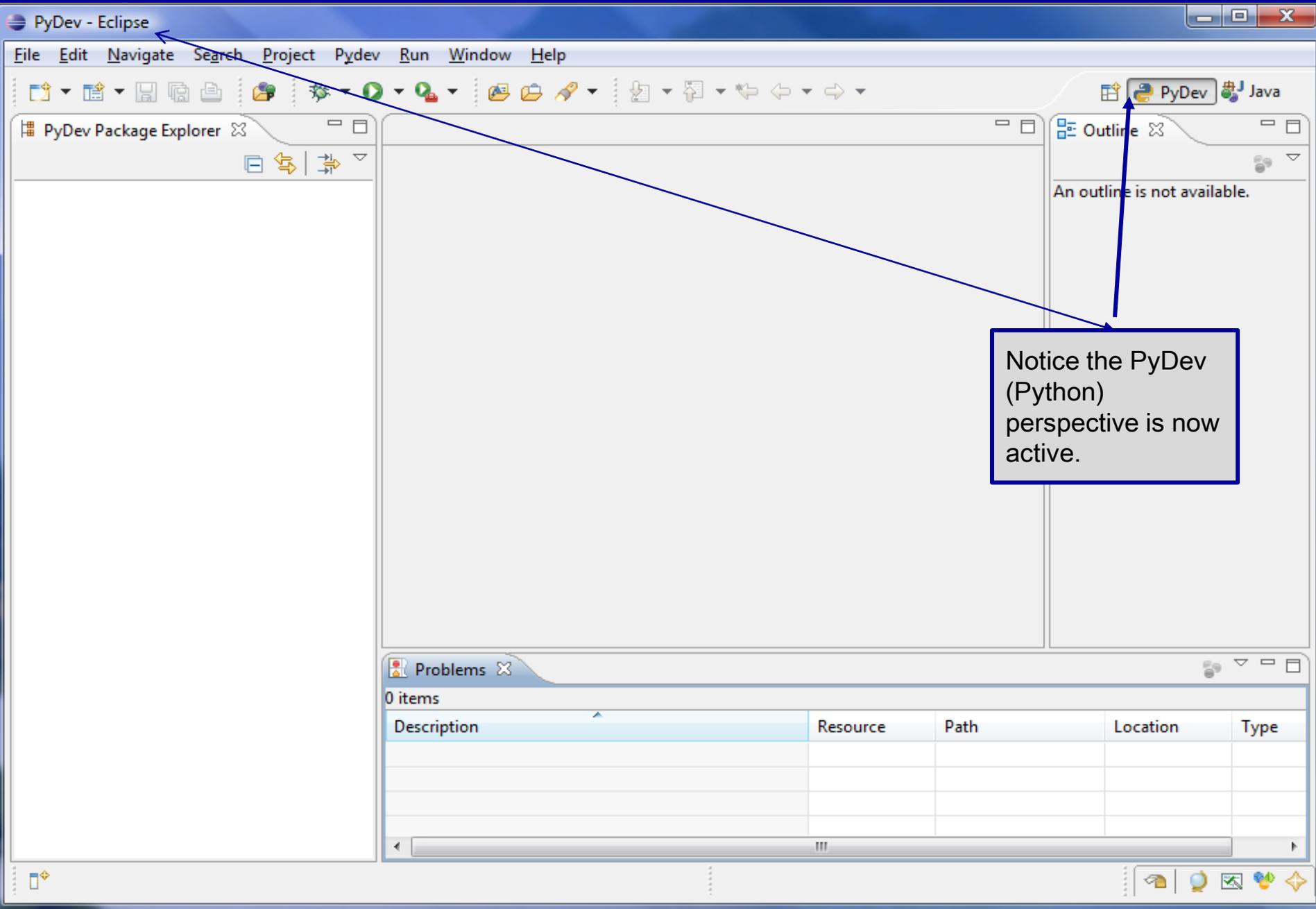
18. You're now ready to go!

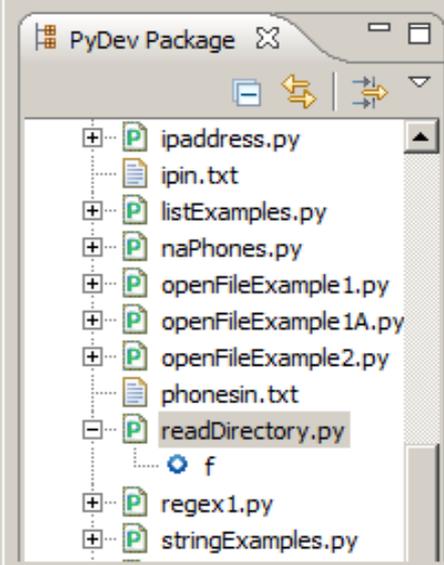




19. Back in the main Eclipse window, go to Window > Open Perspective > Other and choose PyDev, then click OK.







```

'''
Created on Nov 28, 2011
Modified on April 4, 2012

@author: Mark Llewellyn
'''
from os import popen
from re import split
f= popen('dir', 'r')
for eachLine in f.readlines():
    print (split('\s\s+|\t', eachLine.strip()))
f.close()

```

Eclipse In A Python Perspective



```

<terminated> C:\Users\Administrator\workspace\Python\Part 1 Notes\readDirectory.py
['Volume in drive C has no label.']
['Volume Serial Number is 585F-AF04']
['']
['Directory of C:\\Users\\Administrator\\workspace\\Python\\Part 1 Notes']
['']
['11/28/2011', '01:42 PM', '<DIR>', '.']
['11/28/2011', '01:42 PM', '<DIR>', '..']
['11/21/2011', '09:47 AM', '383 .project']
['11/21/2011', '09:47 AM', '428 .pydevproject']
['04/05/2012', '03:55 PM', '358 basicScript2.py']

```

