

CNT 4603: System Administration Fall 2012

Configuring Eclipse For Python

Instructor : Dr. Mark Llewellyn
 markl@cs.ucf.edu
 HEC 236, 4078-823-2790
 <http://www.cs.ucf.edu/courses/cnt4603/fall2012>

Department of Electrical Engineering and Computer Science
Computer Science Division
University of Central Florida



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 Eclipse IDE which is known as Helios.
- 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.



Java - Final Exam - Summer 2011/src/Fruit.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- Abstract Classes
- Basic Java
- Classes In Java
- Day Two
- Exam 1 - Summer 2011
- Exam 2 - Summer 2011
- Exception Handling
- File IO
- Final Exam - Summer 2011
- GUIs
- In Class Practice #1
- In Class Practice #2
- Interfaces
- Loan Project
- Methods In Java
- My First Java Programs
- Networking
- Program Five
- Program Four
- Program One
- Program Three
- Program Two
- Wind Chill Project

Consume.java Apple.java Orange.java Hungry.java Fruit.java

```
private int typicalWeight;

protected Fruit() {
    normalColor="red";
    typicalWeight = 4;
}

protected Fruit(String a, int b){
    normalColor=a;
    typicalWeight=b;
}

protected String getColor(){
    return normalColor;
}

protected int getWeight(){
    return typicalWeight;
}

protected void setColor(String a){
    this.normalColor = a;
}

protected void setWeight(int a) {
    this.typicalWeight=a;
}

public String toString() {
    return ("This fruit is normally " + normalColor +
        " and typically weighs about " + typicalWeight + " ounces. ");
}

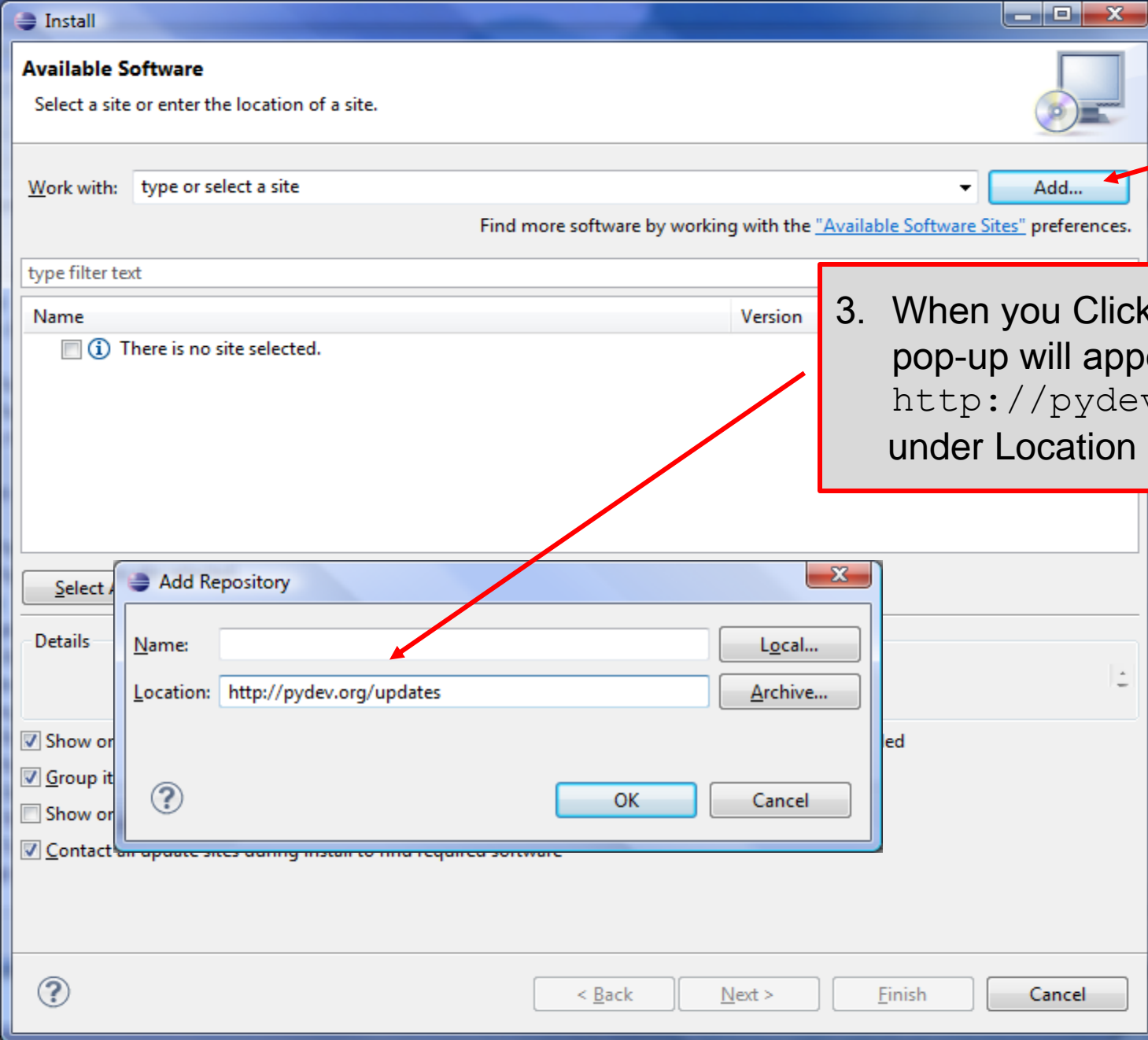
protected abstract String bestUse();

//public abstract String howToEat();
```

Notice the Java perspective is active

Writable Smart Insert 21:30

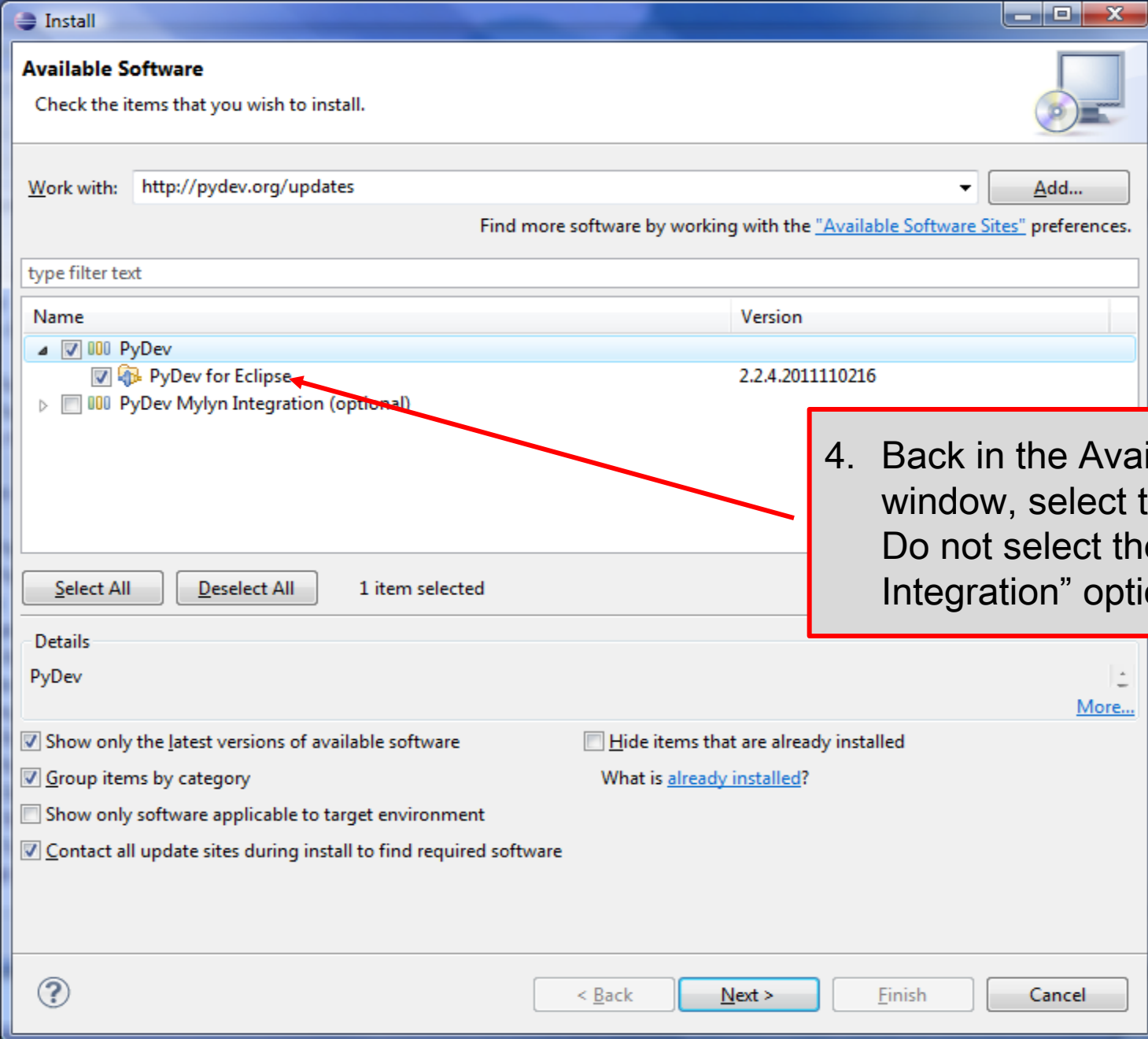




2. Click Add

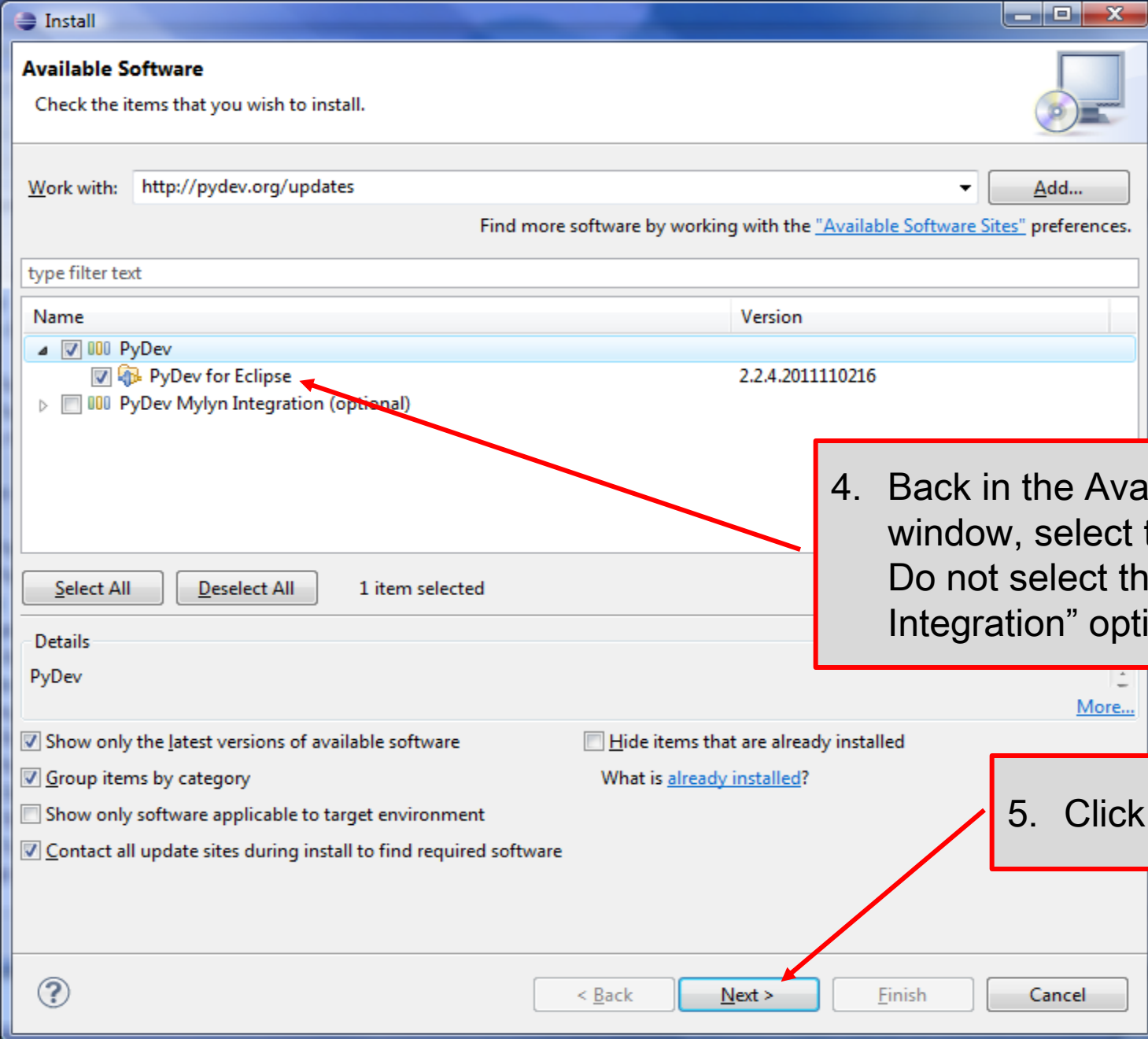
3. When you Click Add in #2, this pop-up will appear. Enter: `http://pydev.org/updates` under Location and click OK.





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.



Install Details

Review the items to be installed.



Name	Version	Id
 PyDev for Eclipse	2.2.4.2011110216	org.python.pydev.feature.feature.group

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

Size: 7,296 KB

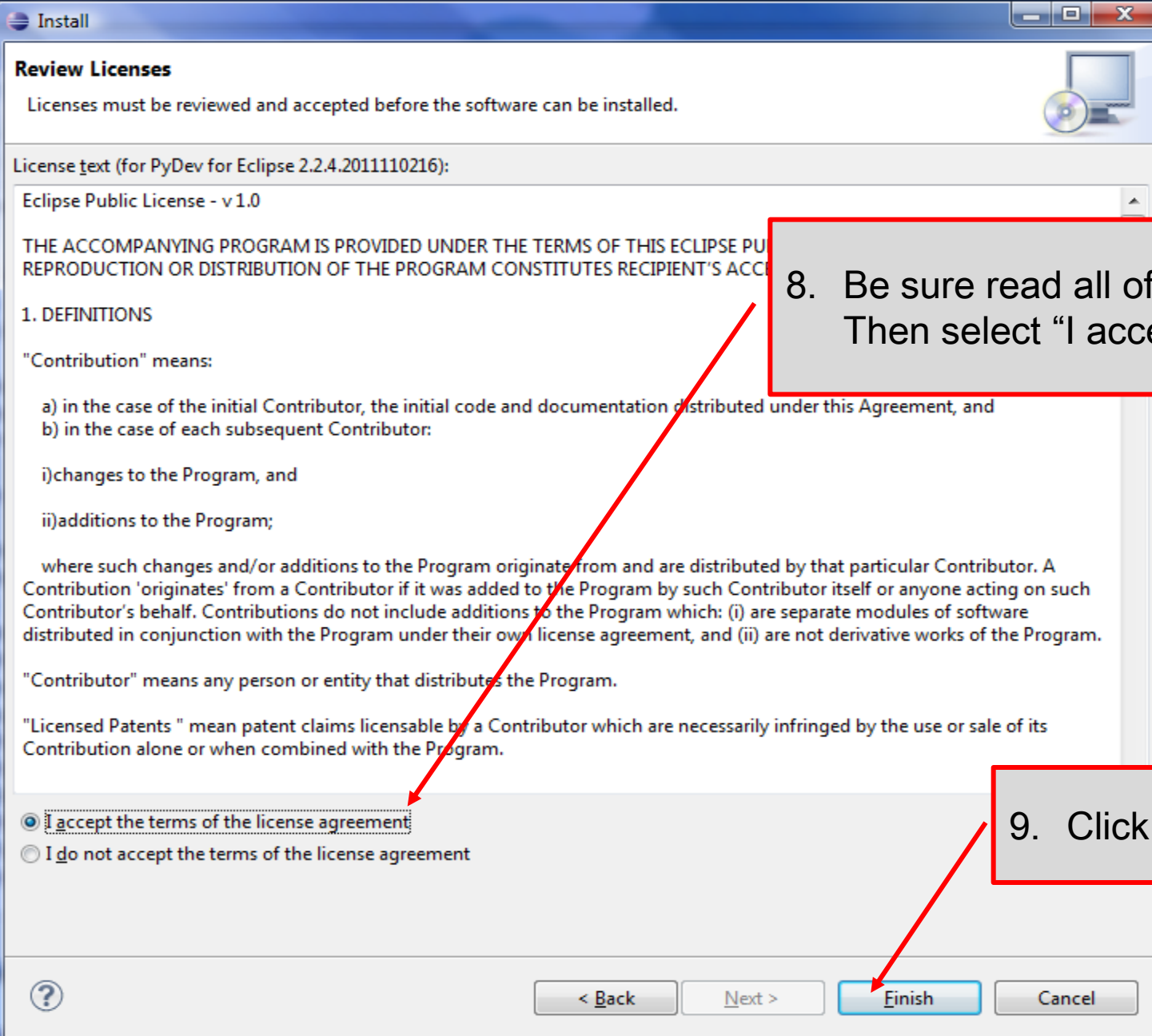
Details
Python Development Environment

7. Click Next.



< Back **Next >** Finish Cancel

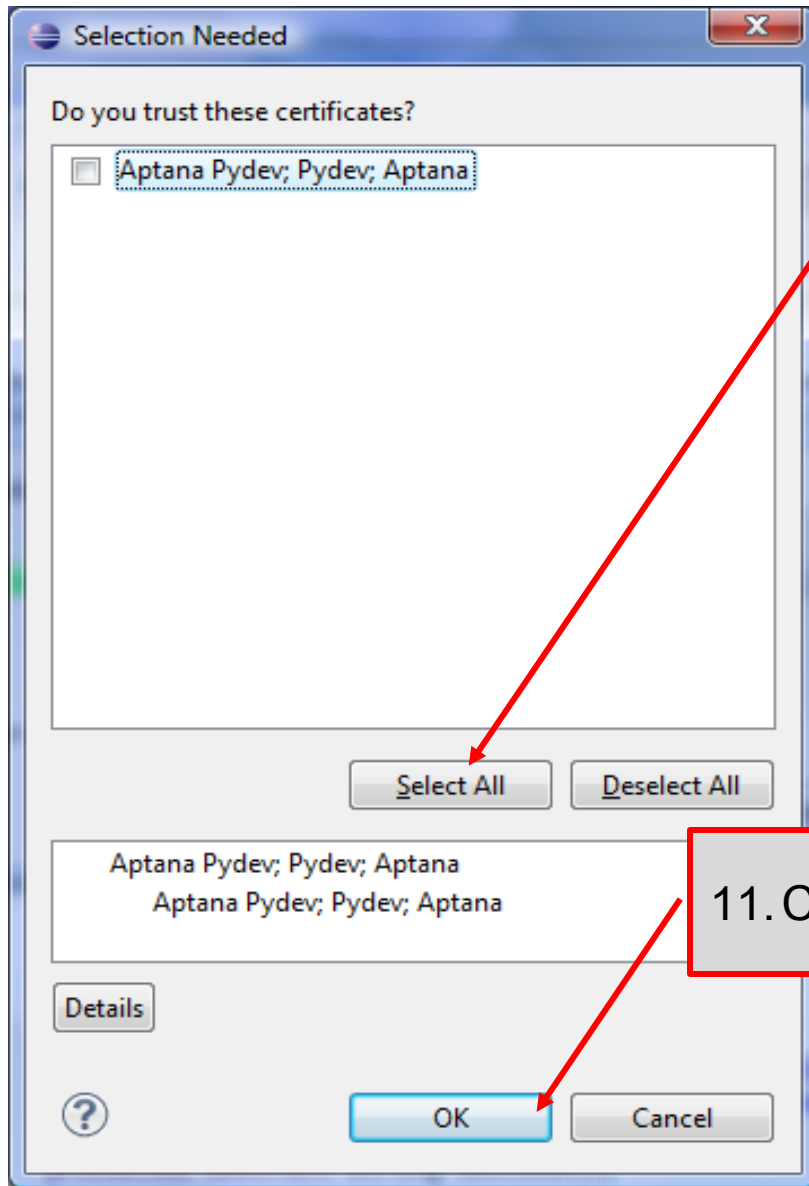




8. Be sure read all of this (yeah right!) Then select "I accept..."

9. Click Finish.





10. Click "Select All"

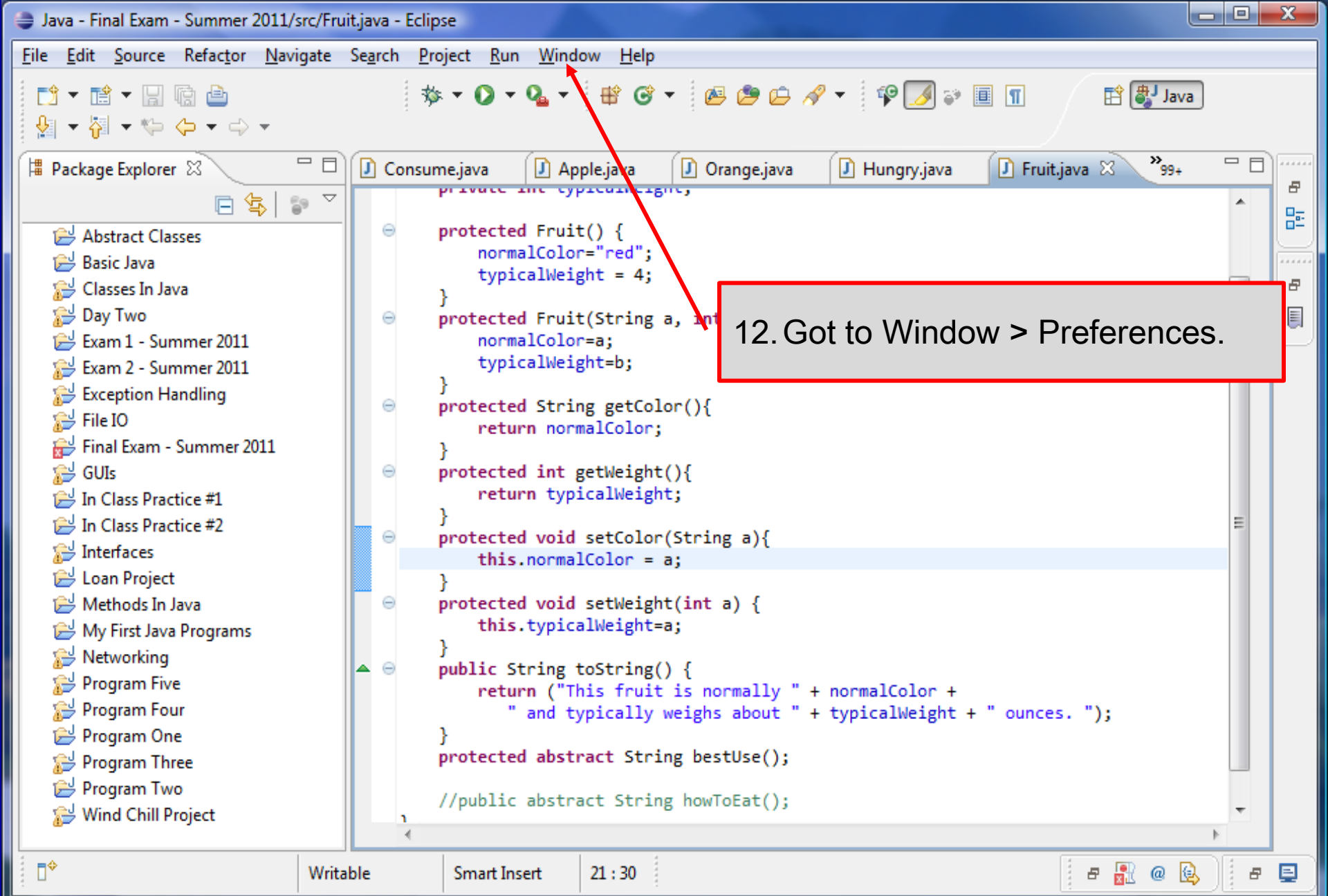
11. Click OK.

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

Restart Eclipse now.

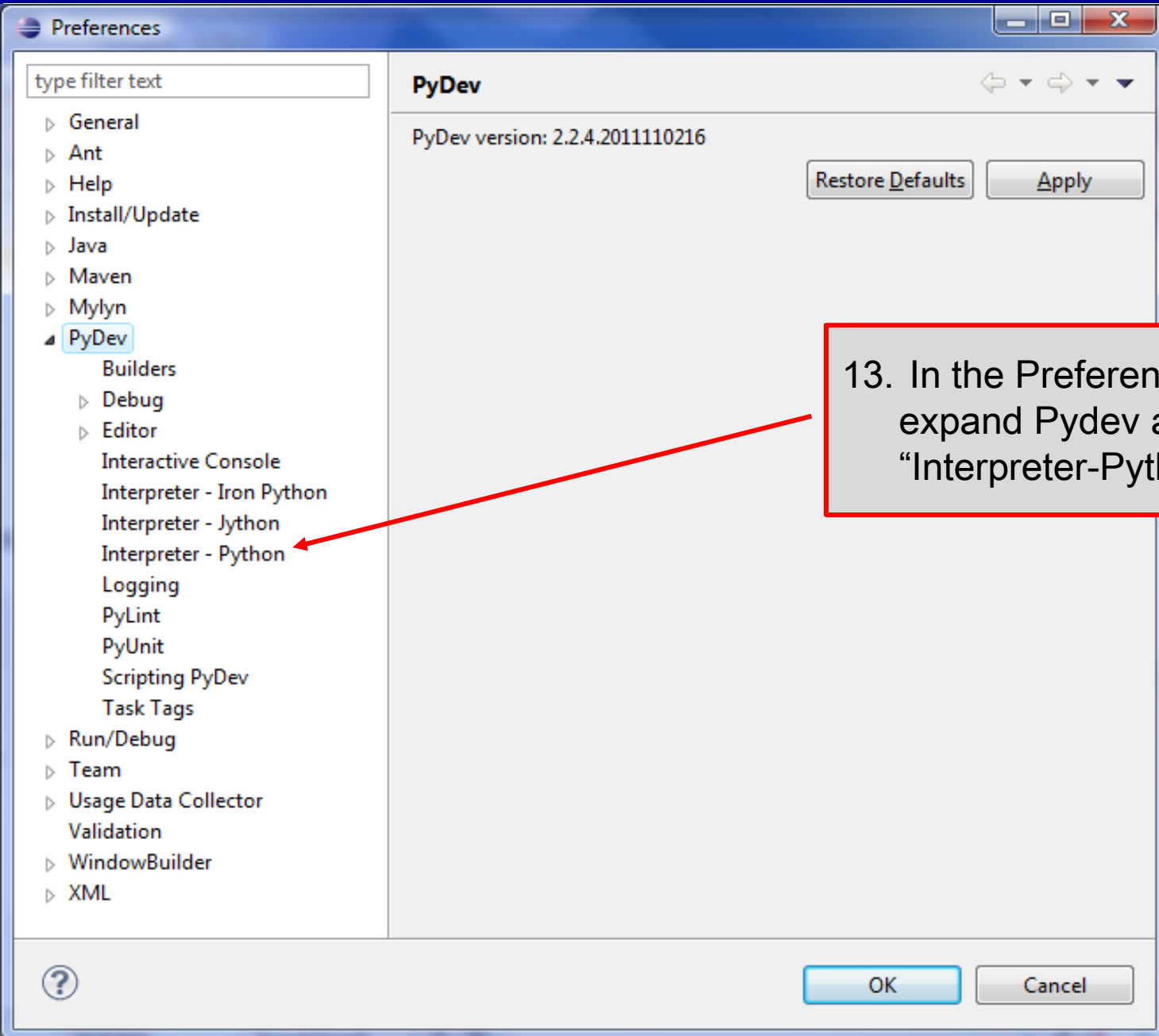
Go to the next page to configure the Python development environment.





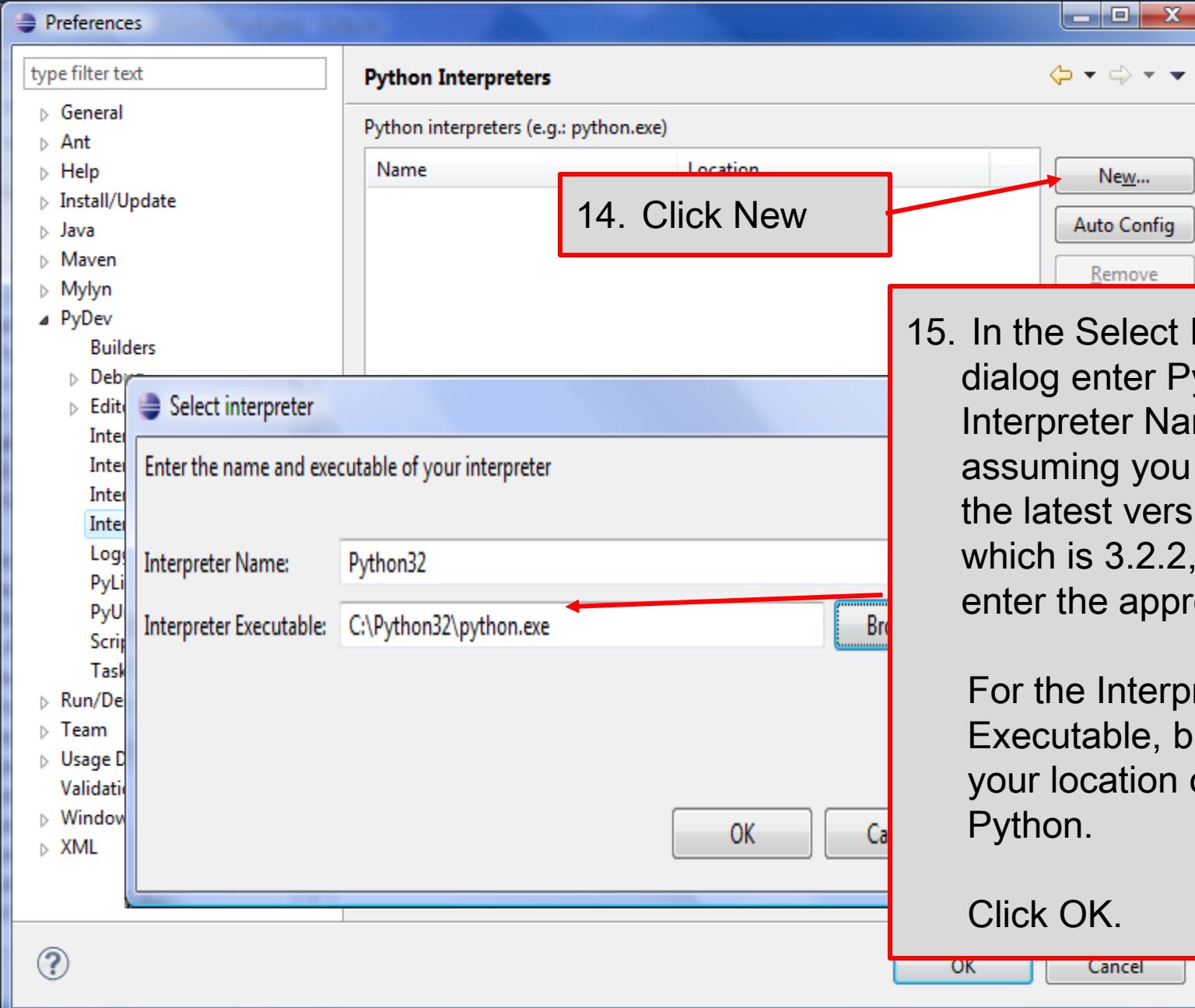
12. Got to Window > Preferences.





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





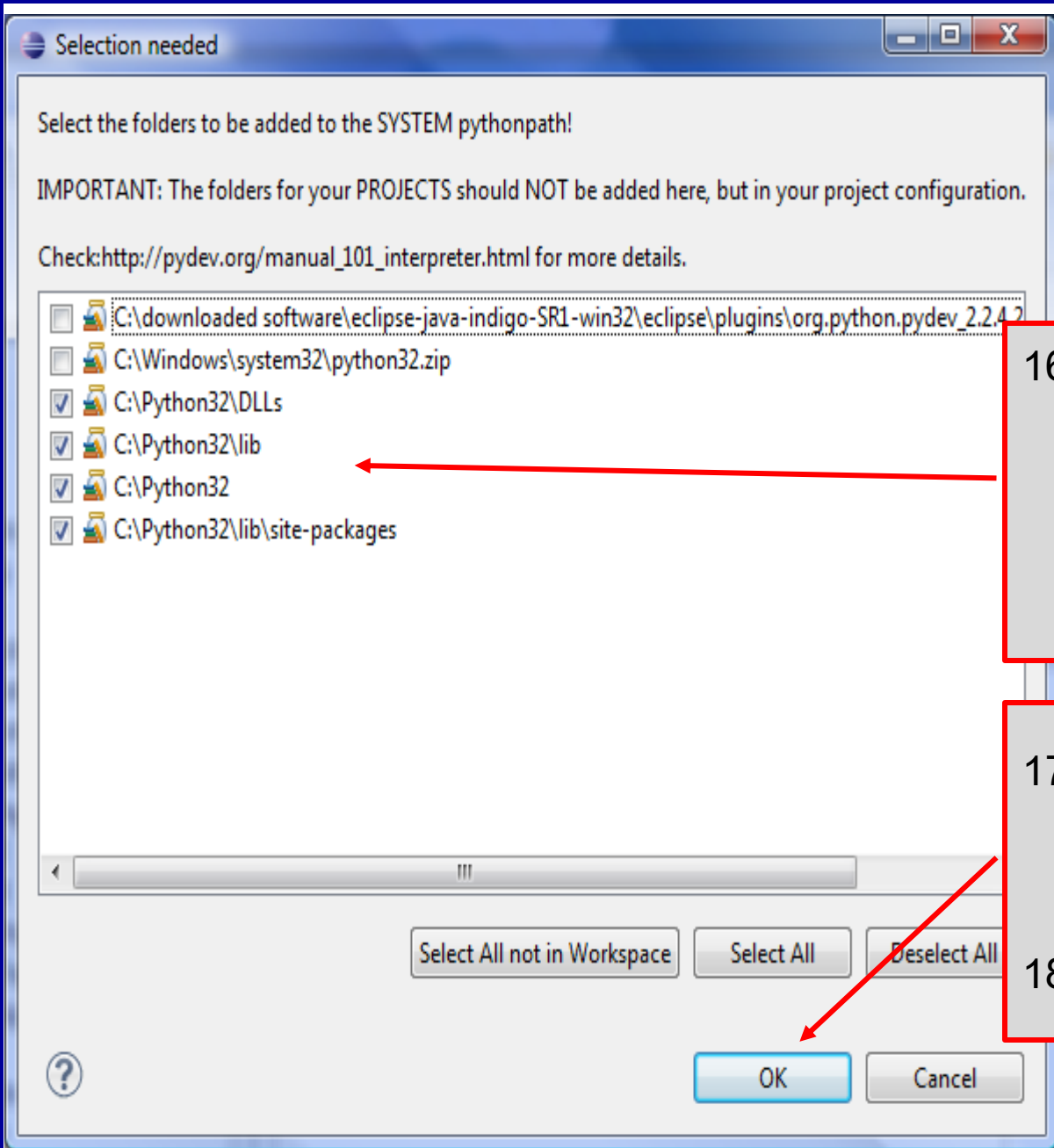
14. Click New

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.

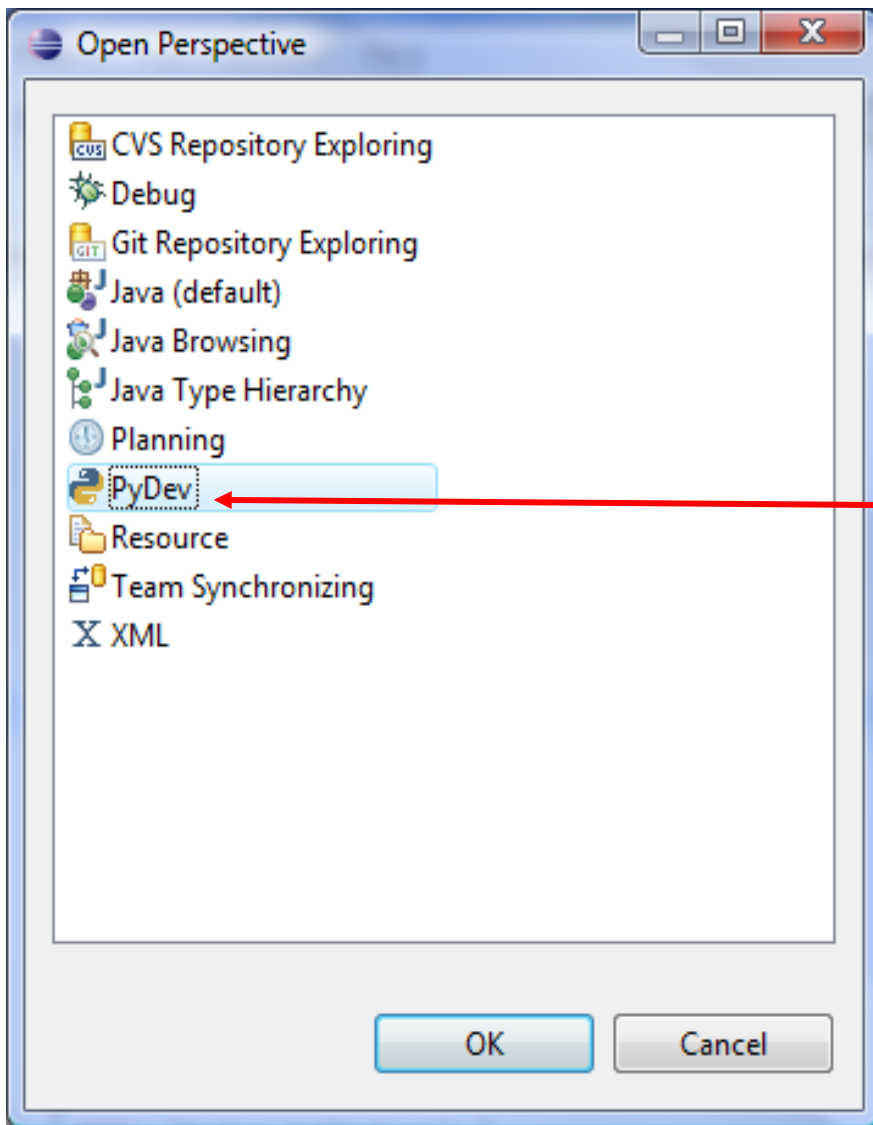




16. In the Selection needed dialog, select all but the PySrc and python32.zip and select OK. (These are probably already auto selected, but be sure.)

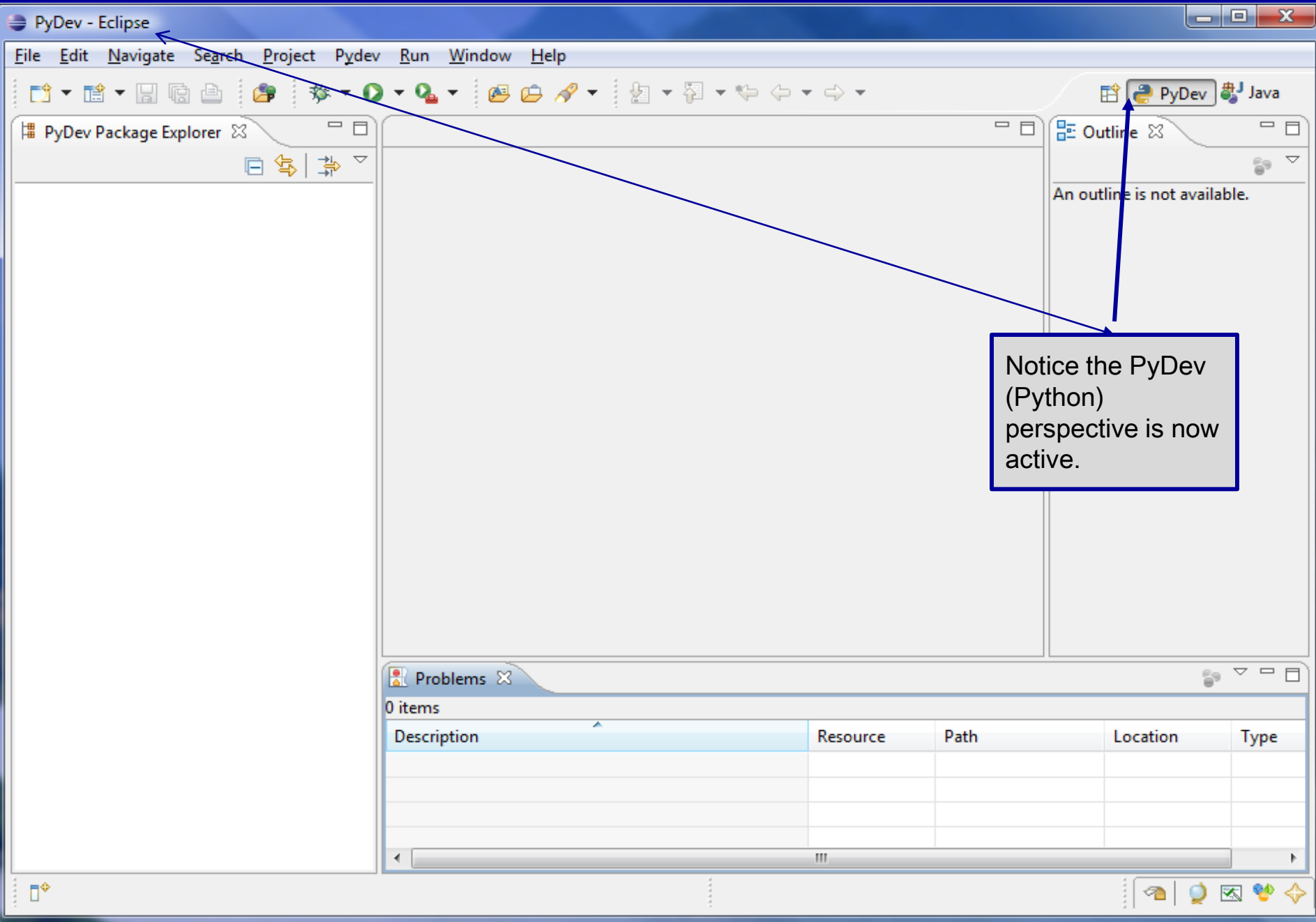
17. Click OK as many times as necessary to exit the preferences.
18. You're now ready to go!





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





Notice the PyDev (Python) perspective is now active.



