CNT 4603: System Administration
Fall 2013

Configuring Eclipse For Python

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Configuring Eclipse For Python

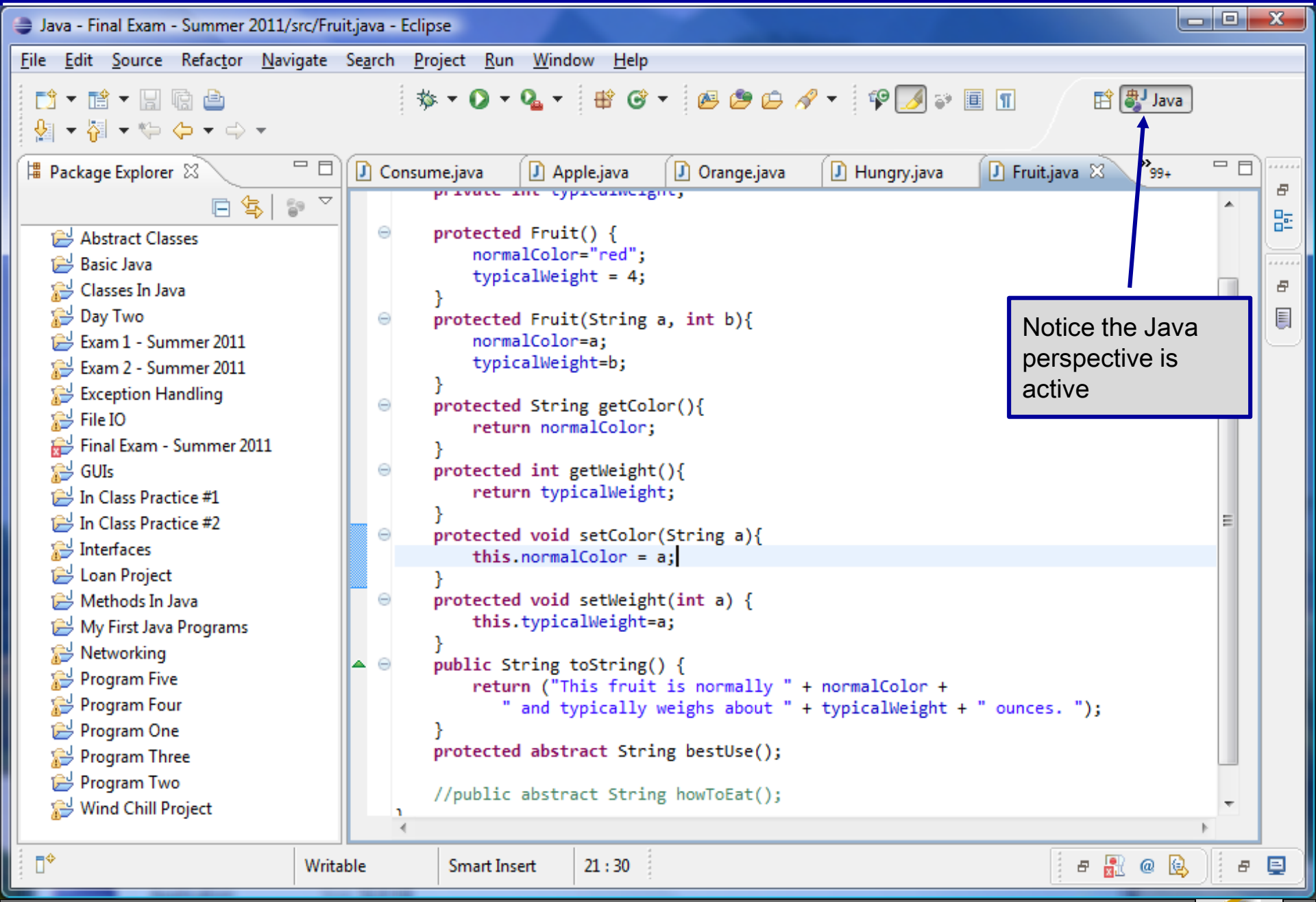
- Before you configure the Eclipse IDE for Python, you must first have Python installed on your system.
- As indicated in the first part of the Python notes, there are typically a couple of current Python environments. You'll need to select one of these for the Eclipse environment during the setup (if 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 Eclispe IDE which is known as Helios.
- To configure Eclipse for Python follow the steps beginning on the next page.

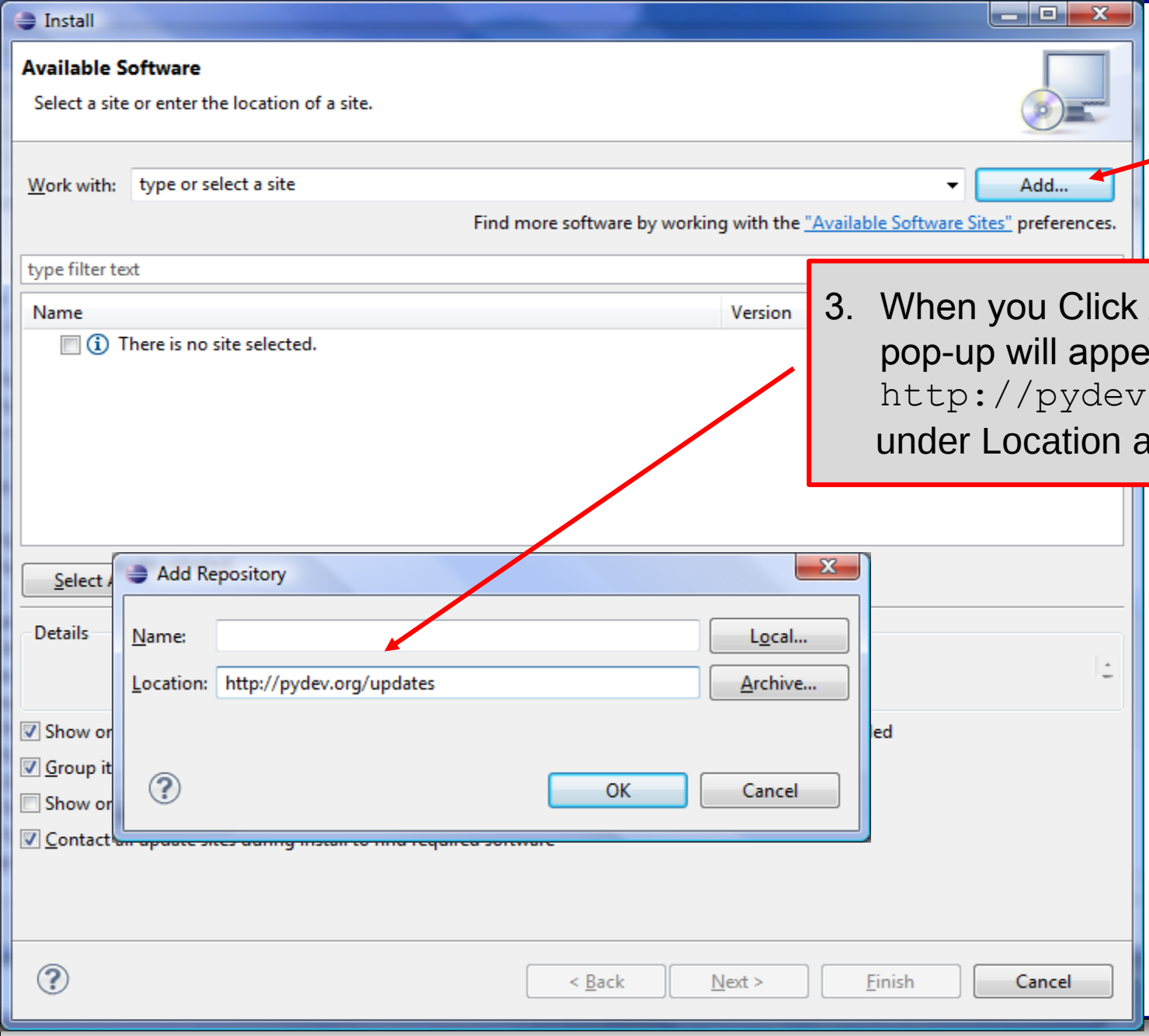
Configuring Eclipse For Python

- 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.

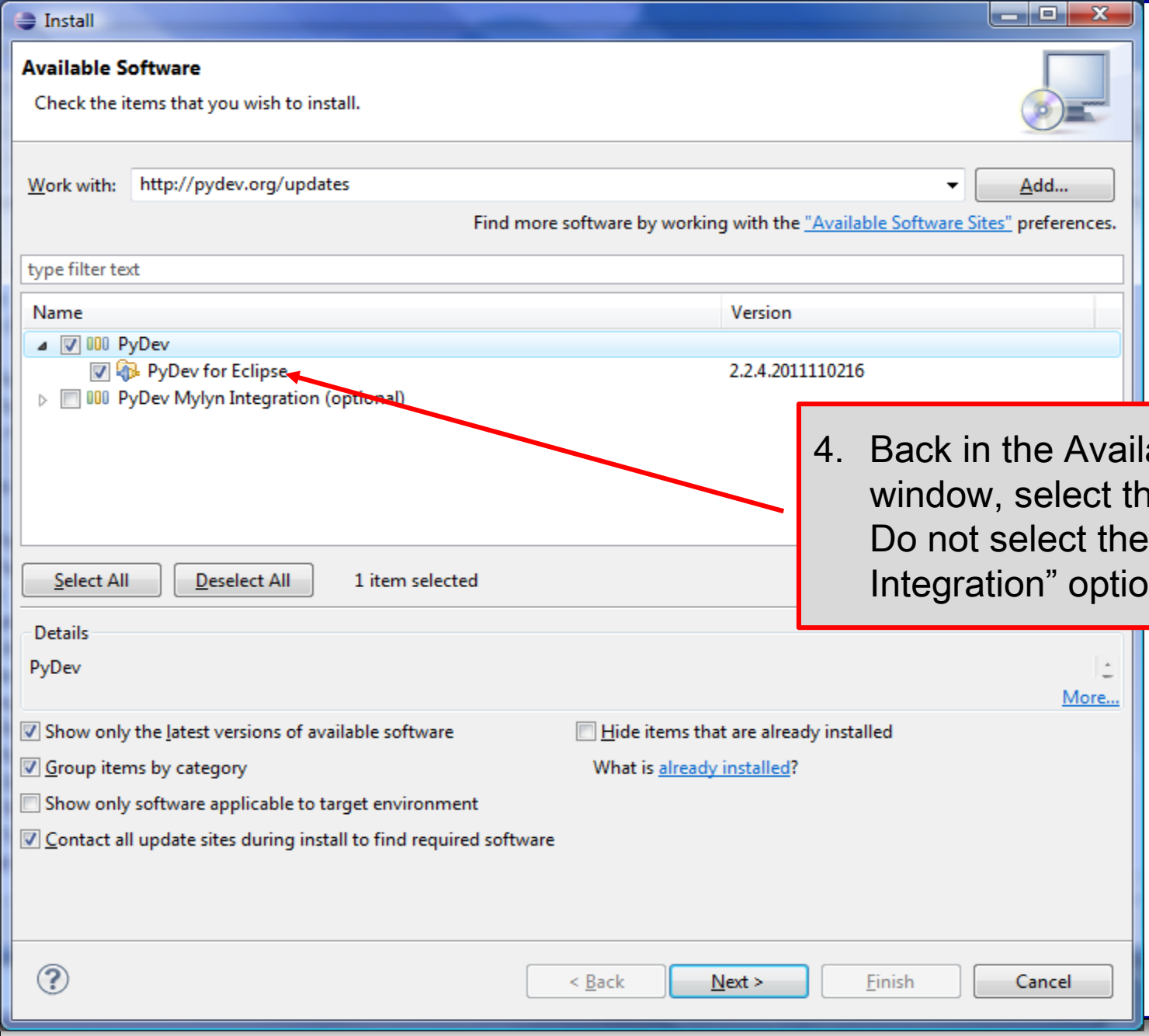
1. From the Java perspective, go to Help > Install New Software. You'll see the window that appears on page 5.


Java - Final Exam - Summer 2011/src/Fruit.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Java
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
99+
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

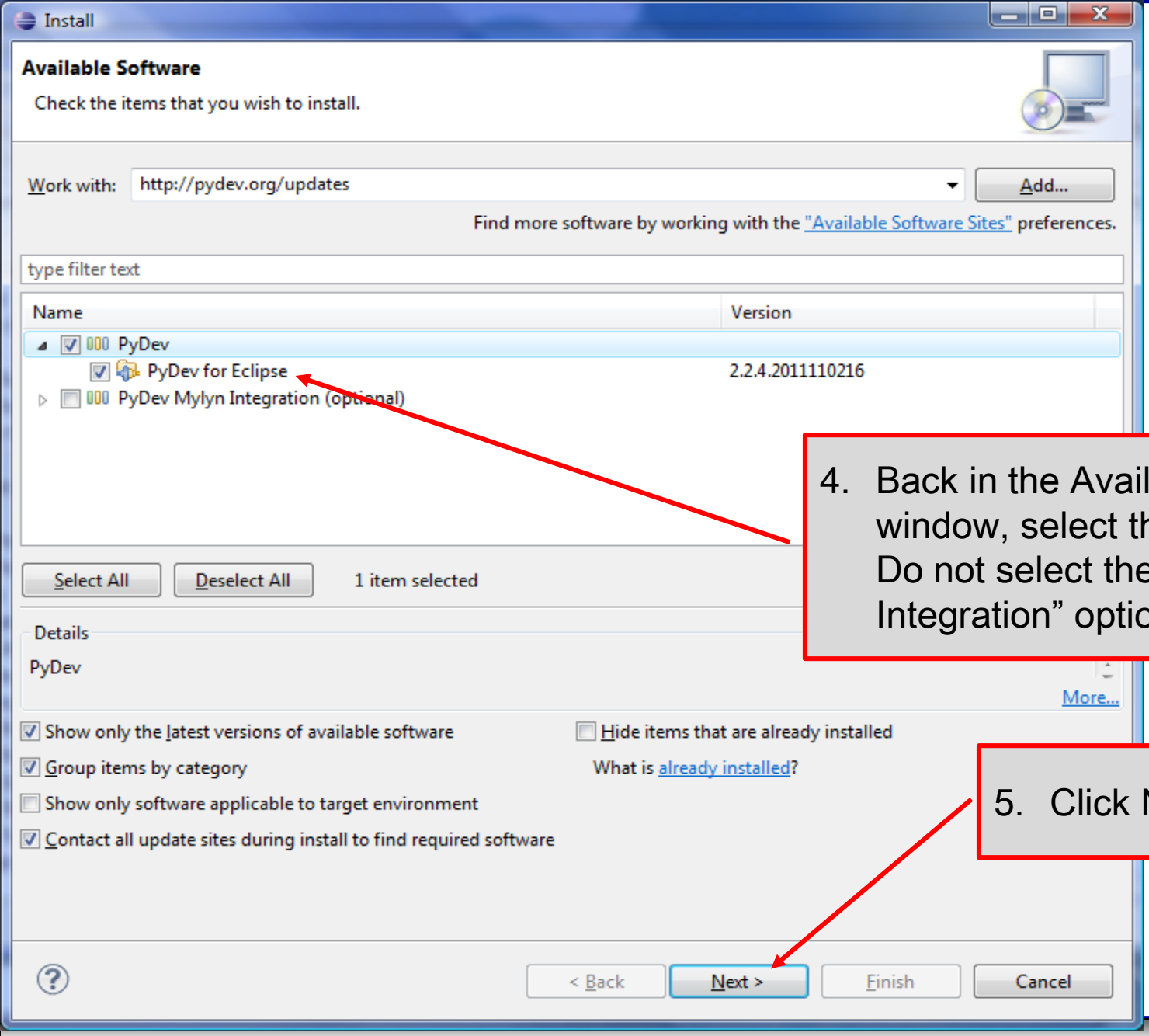


2. Click Add

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

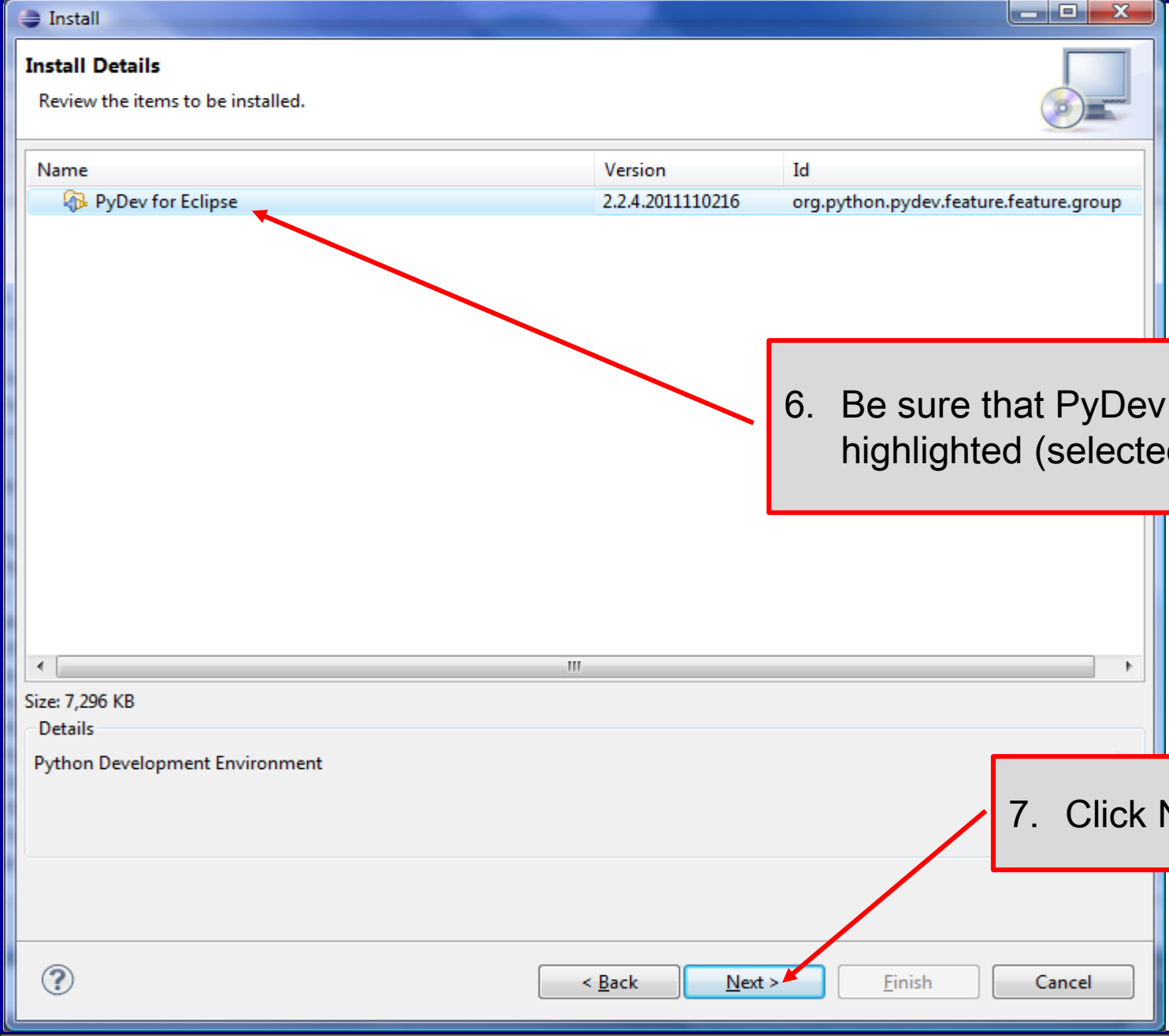


4. Back in the Available Software window, select the “pyDev” option. Do not select the “PyDev Mylyn Integration” option.



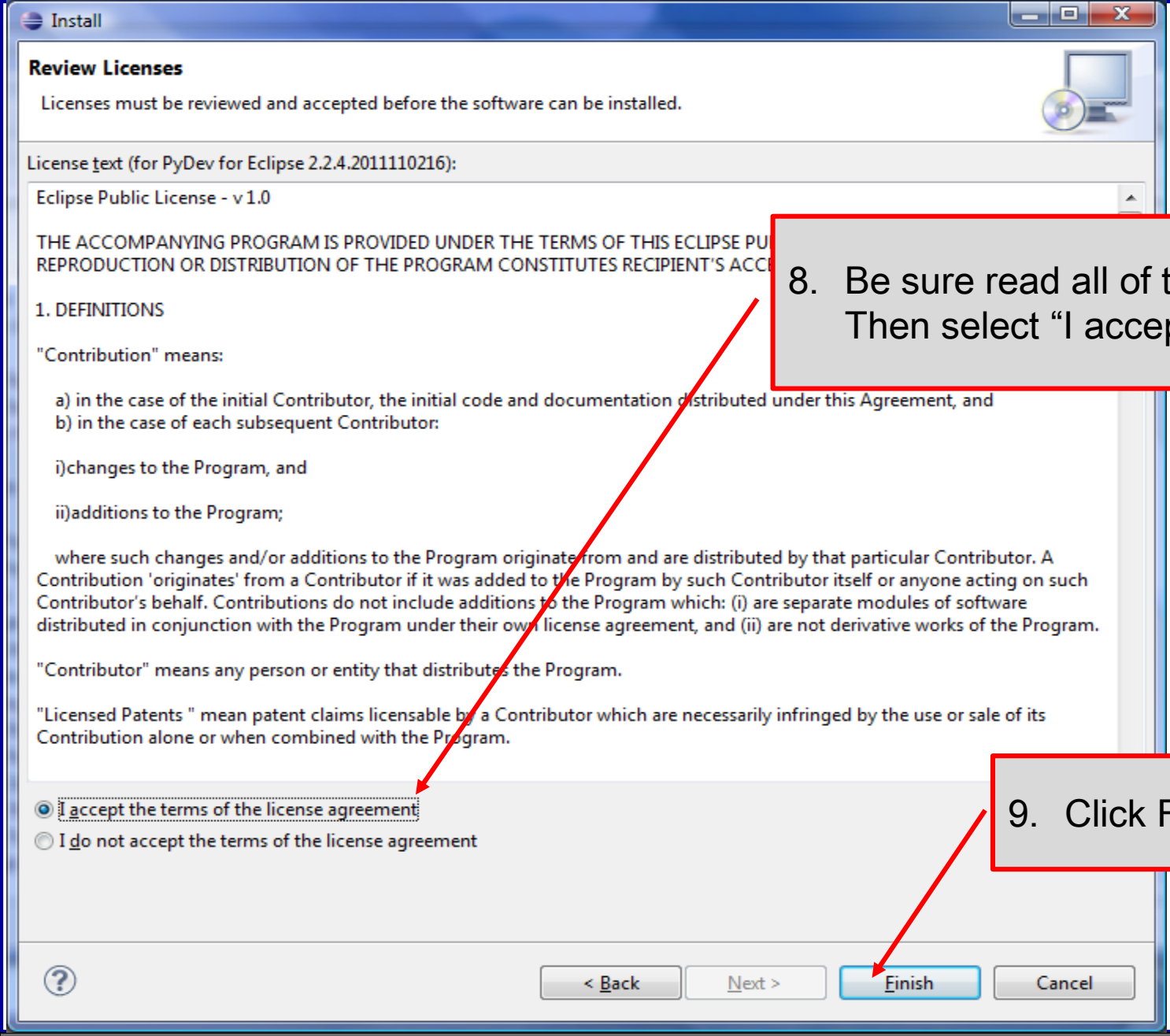
4. Back in the Available Software window, select the "pyDev" option. Do not select the "PyDev Mylyn Integration" option.

5. Click Next.



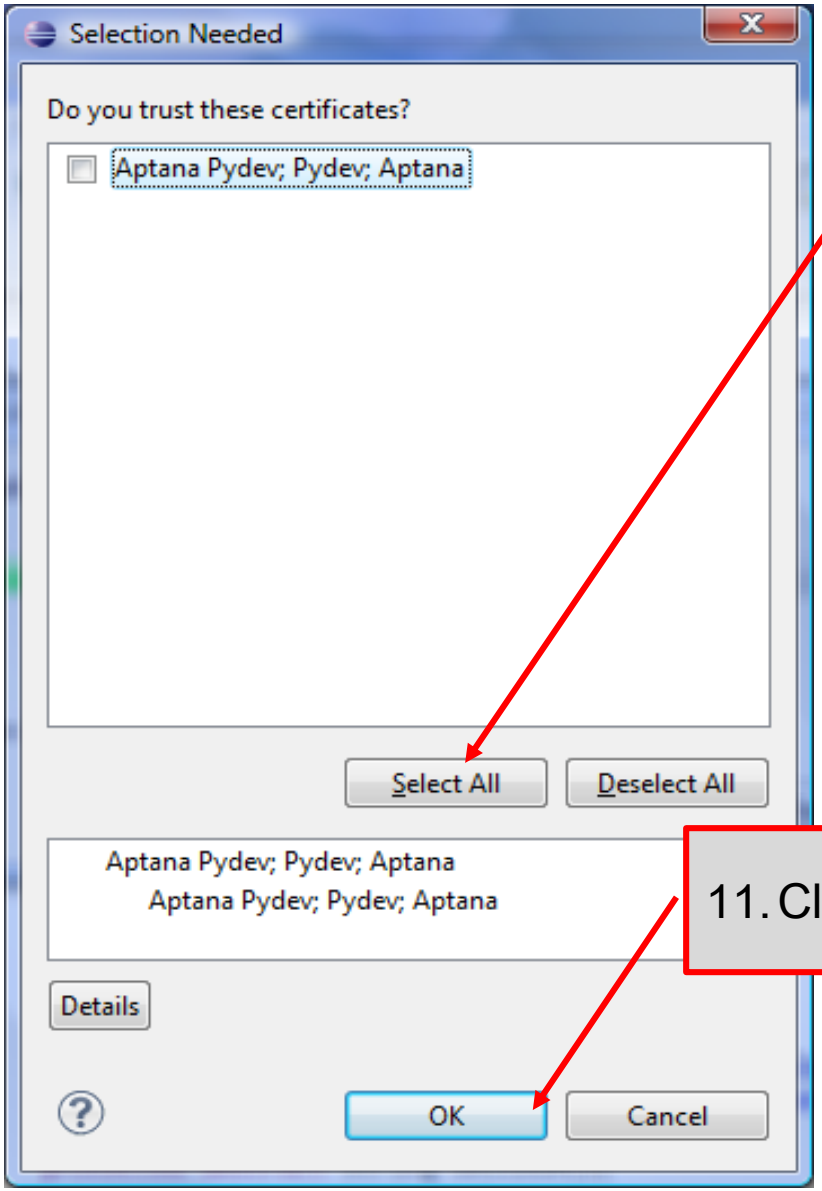
6. Be sure that PyDev for Eclipse is highlighted (selected).

7. Click Next.



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

9. Click Finish.



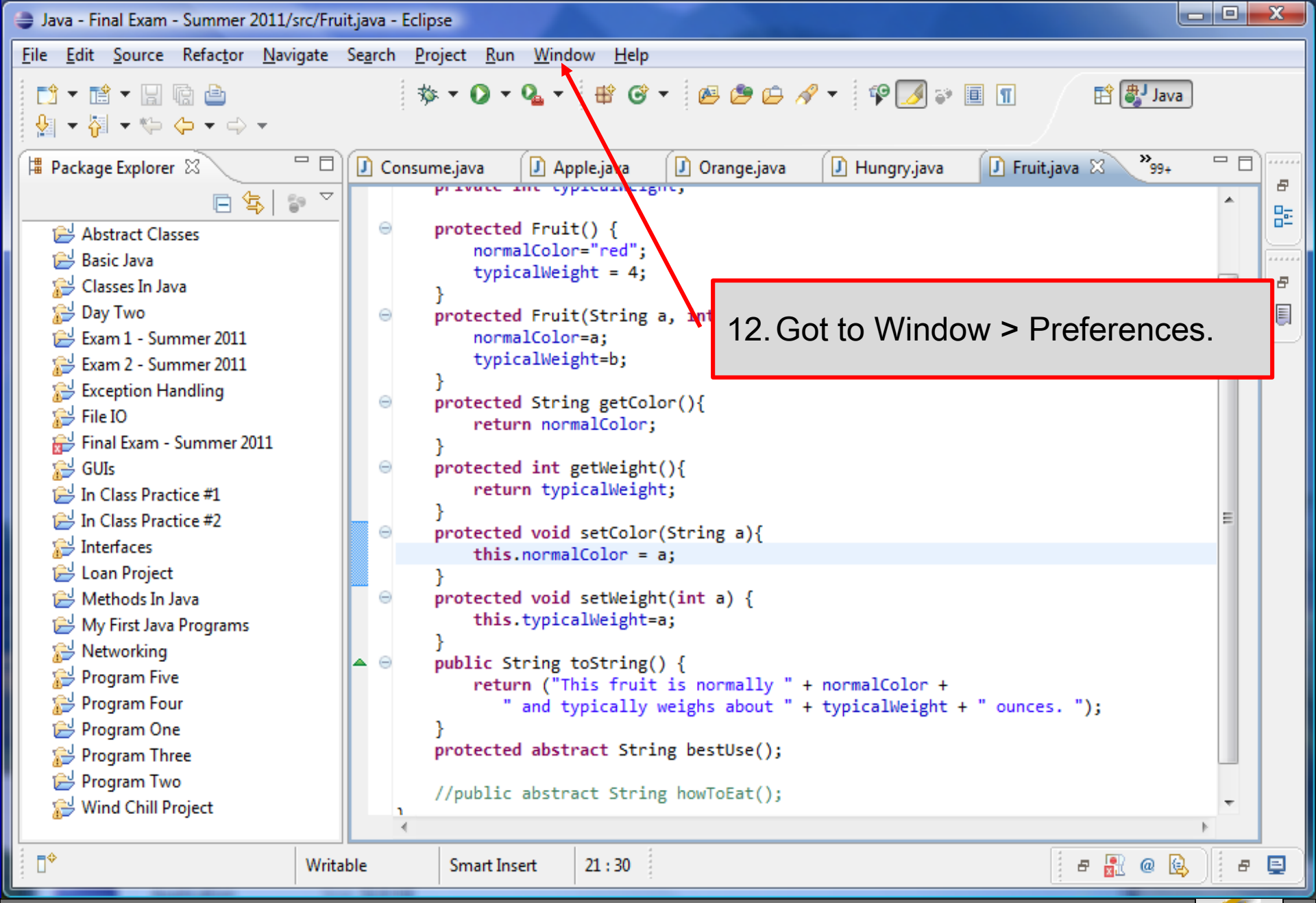
10. Click “Select All”

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.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Apple.java
Orange.java
Hungry.java
Fruit.java
99+
protected Fruit() {
normalColor="red";
typicalWeight = 4;
}
protected Fruit(String a, int
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 +
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protected abstract String bestUse();
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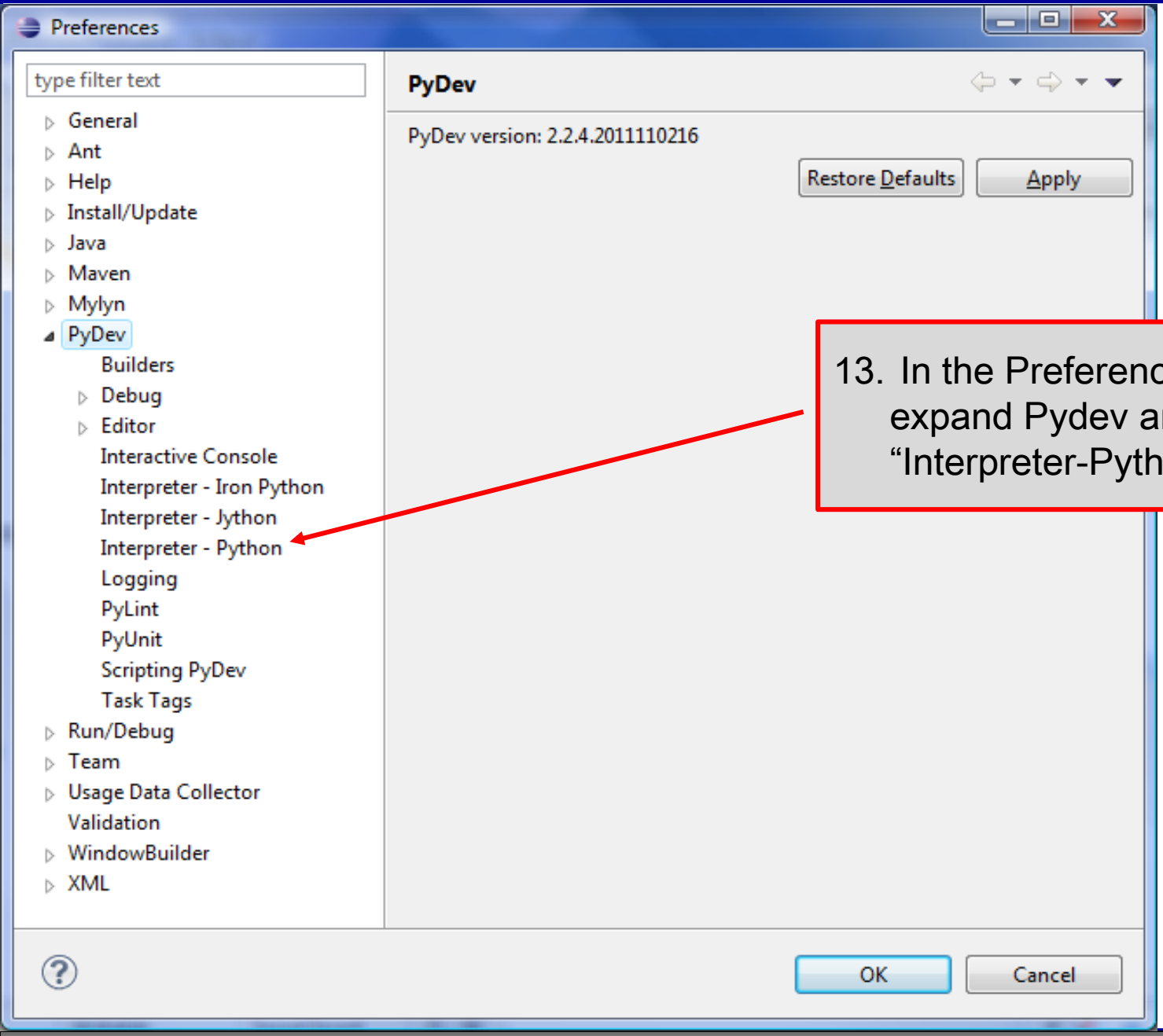
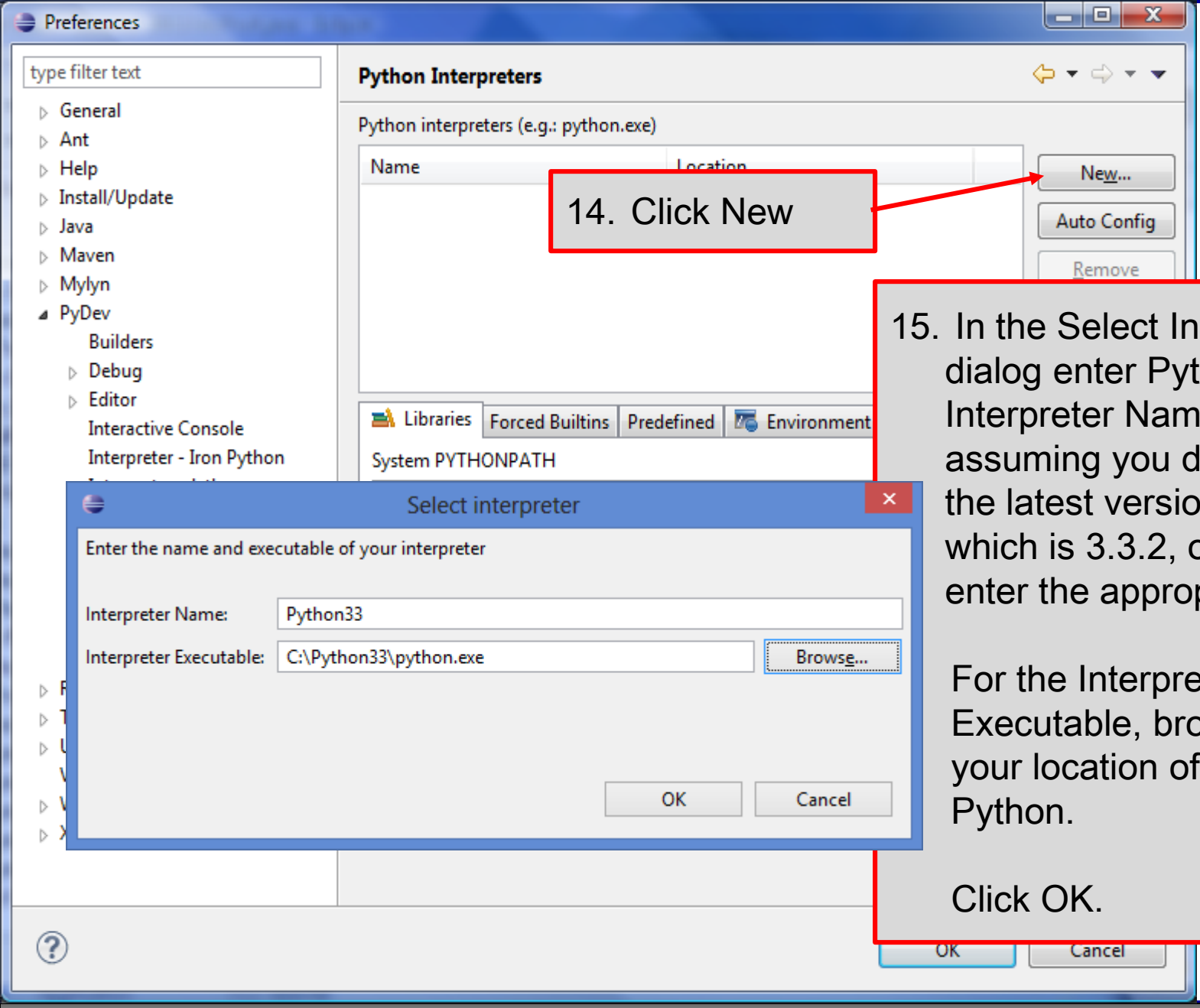
12. Got to Window > Preferences.
Writable
Smart Insert
21 : 30



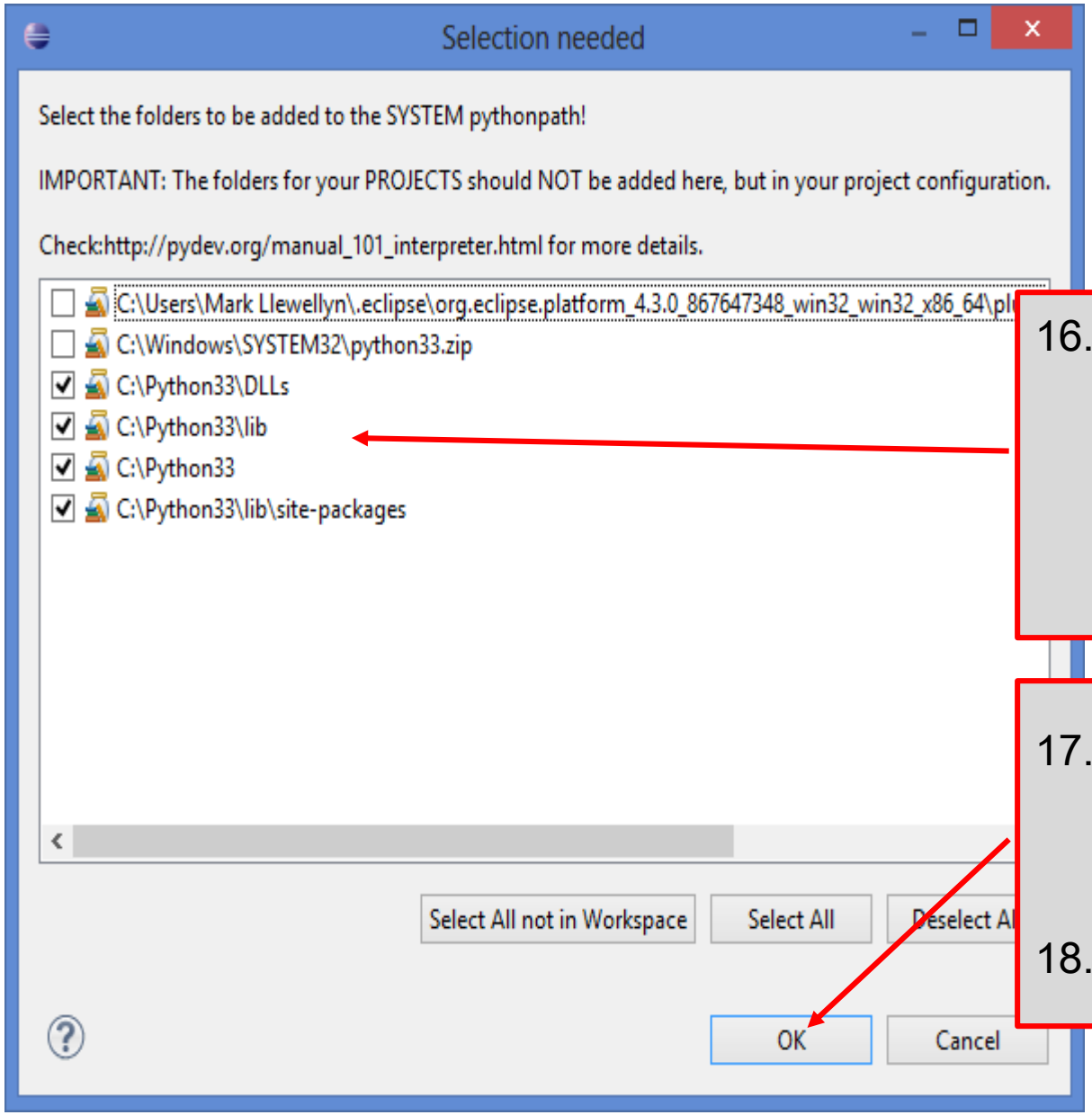
13. In the Preferences window, expand Pydev and select "Interpreter-Python"



15. In the Select Interpreter dialog enter Python33 for the Interpreter Name. (I'm assuming you downloaded the latest version of Python which is 3.3.2, otherwise enter the appropriate name.)

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

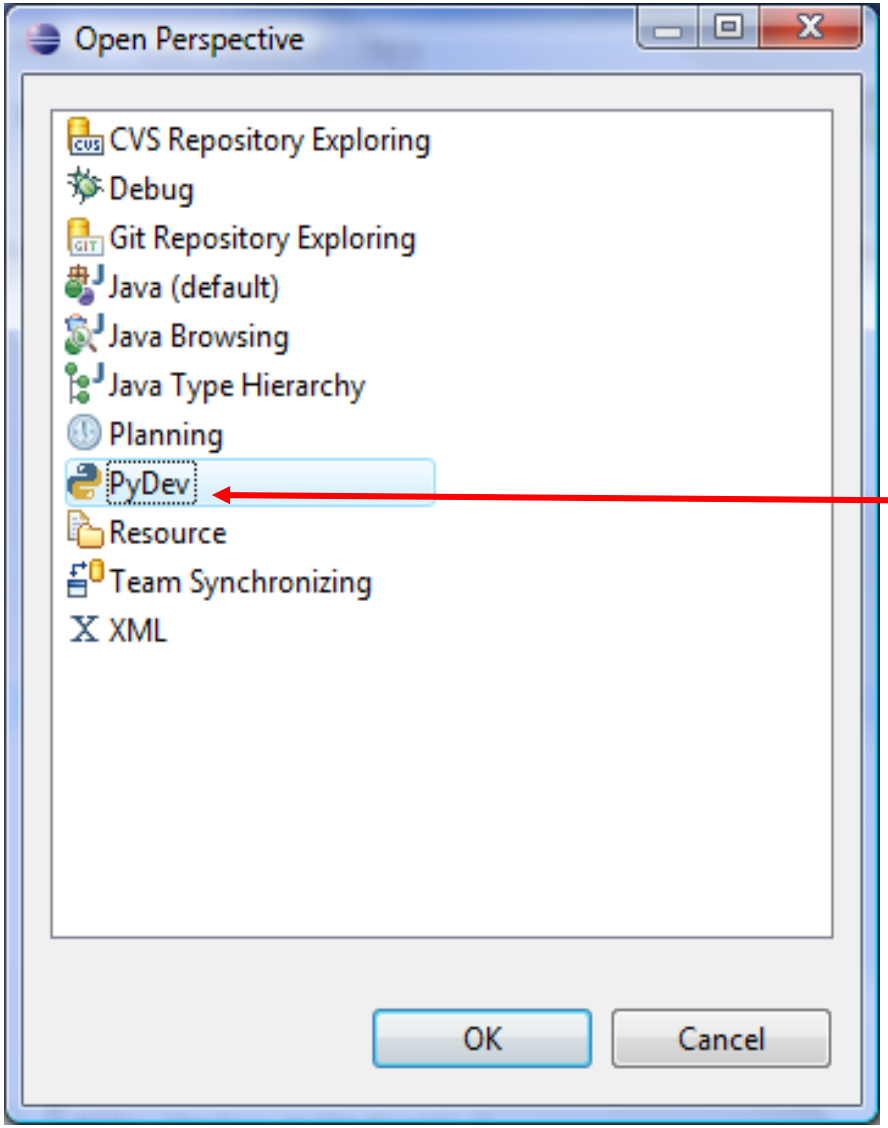
Click OK.



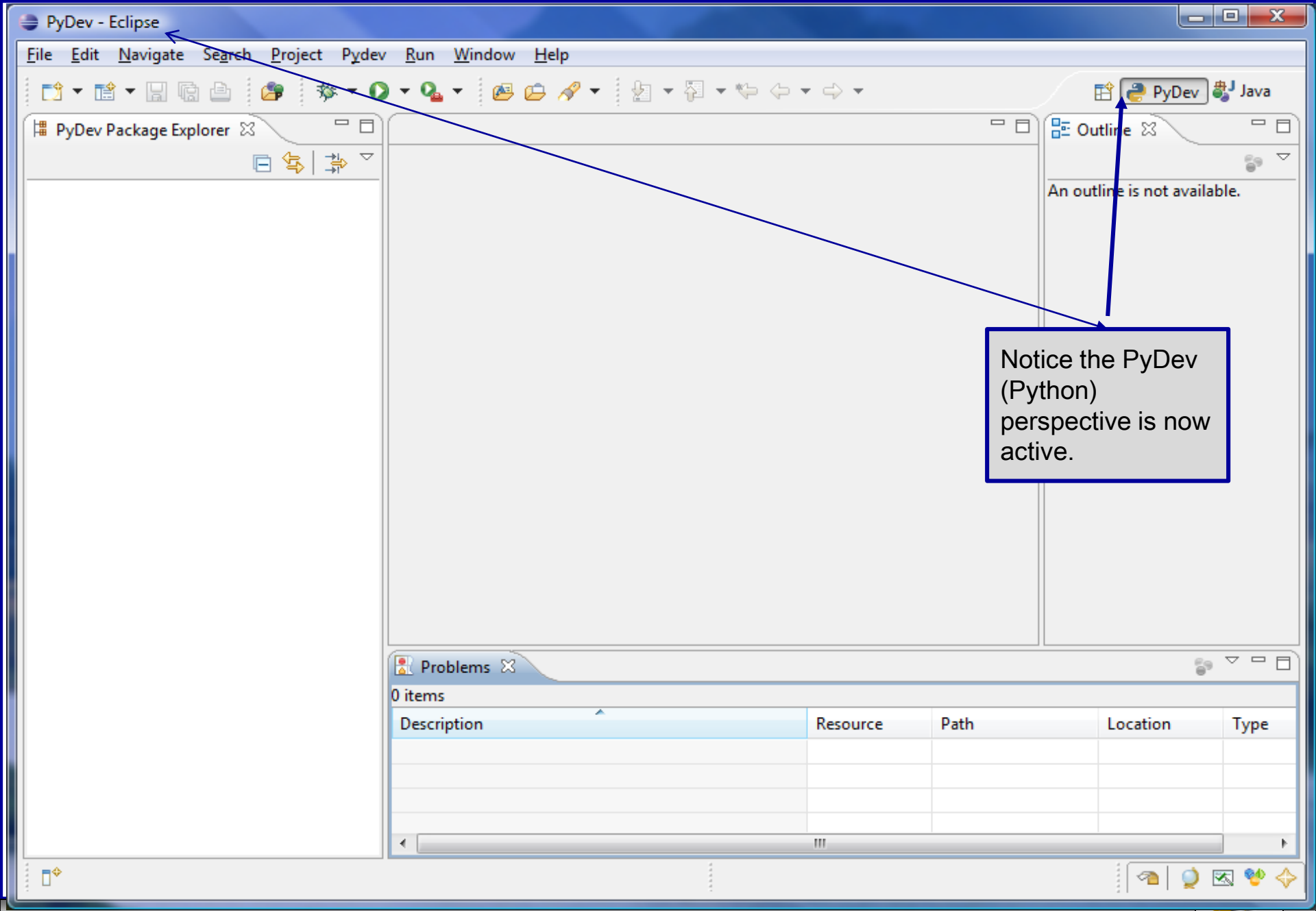
16. In the Selection needed dialog, select all but the PySrc and python33.zip and select OK. (These are probably already auto selected, but be sure.)

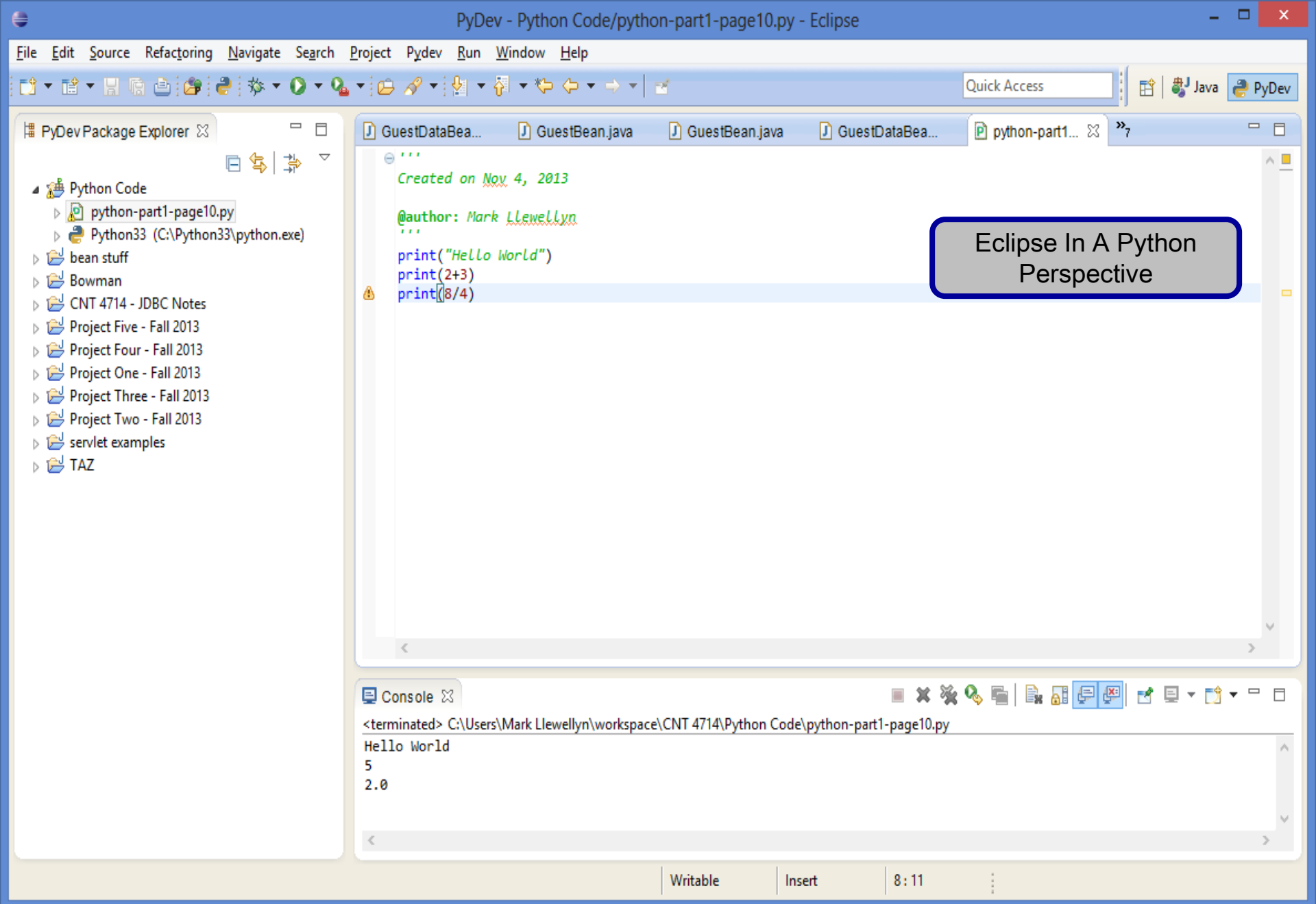
17. Click OK as many times as necessary to exit the preferences.

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.


PyDev - Eclipse
File Edit Navigate Search Project Pydev Run Window Help
PyDev
Java
PyDev Package Explorer
Outline
An outline is not available.
Notice the PyDev (Python) perspective is now active.
Problems
0 items
Description
Resource
Path
Location
Type


PyDev - Python Code/python-part1-page10.py - Eclipse
File Edit Source Refactoring Navigate Search Project Pydev Run Window Help
Quick Access
Java
PyDev
PyDev Package Explorer
Python Code
python-part1-page10.py
Python33 (C:\Python33\python.exe)
bean stuff
Bowman
CNT 4714 - JDBC Notes
Project Five - Fall 2013
Project Four - Fall 2013
Project One - Fall 2013
Project Three - Fall 2013
Project Two - Fall 2013
servlet examples
TAZ
GuestDataBea...
GuestBean.java
GuestBean.java
GuestDataBea...
python-part1...
'''
Created on Nov 4, 2013
@author: Mark Llewellyn
'''
print("Hello World")
print(2+3)
print(8/4)
Eclipse In A Python Perspective
Console
<terminated> C:\Users\Mark Llewellyn\workspace\CNT 4714\Python Code\python-part1-page10.py
Hello World
5
2.0
Writable
Insert
8 : 11