

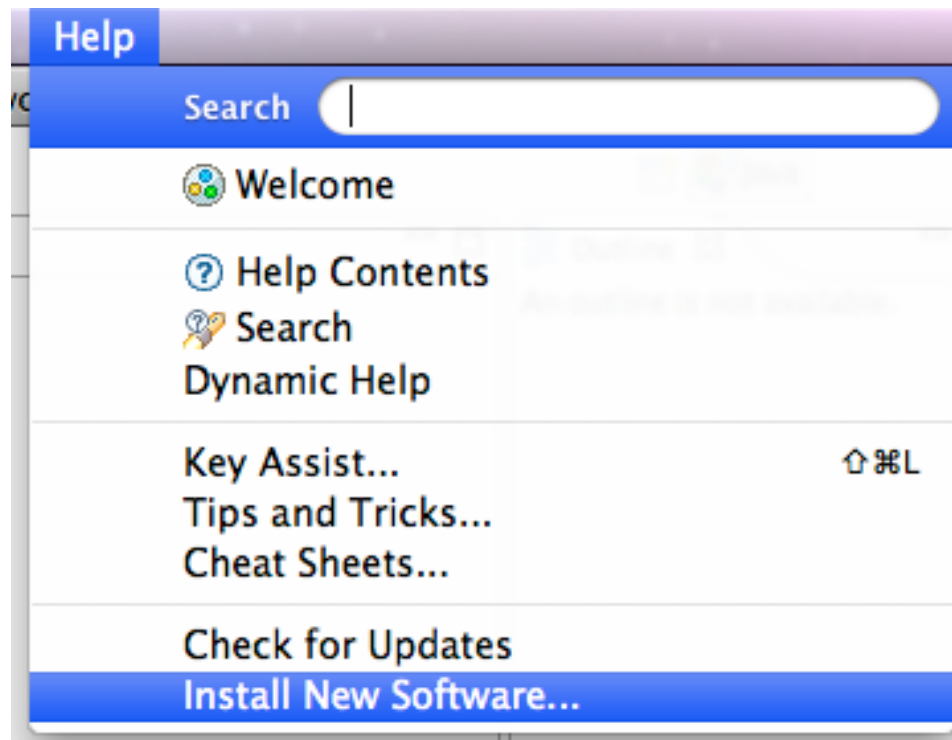
# Python and Eclipse

# Overview

- A brief overview to pydev
- <http://pydev.org>
- A plugin for Python development in Eclipse

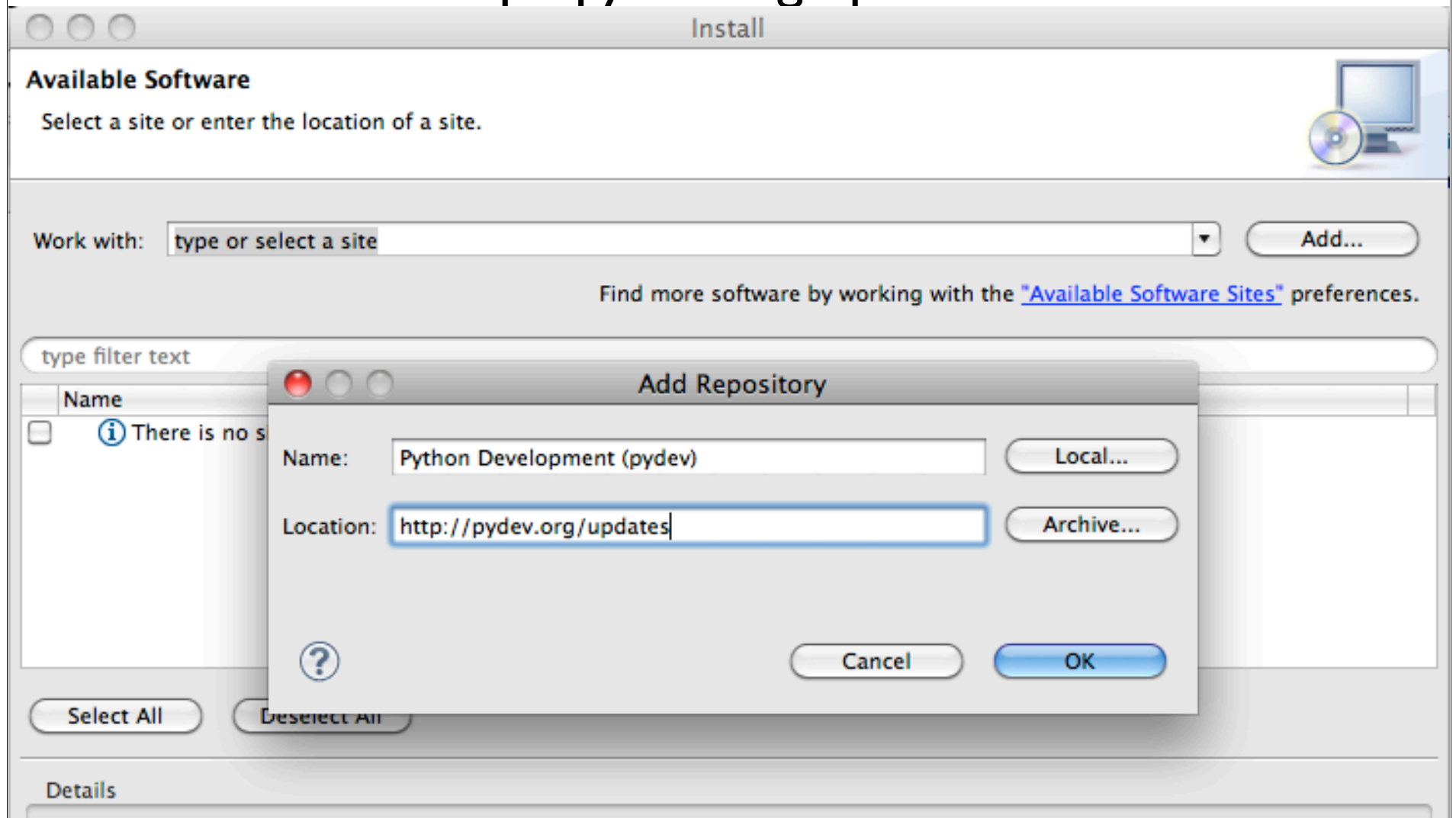
# Pydev Installation

- You must have Eclipse already installed
- Install via : Help > Install New Software



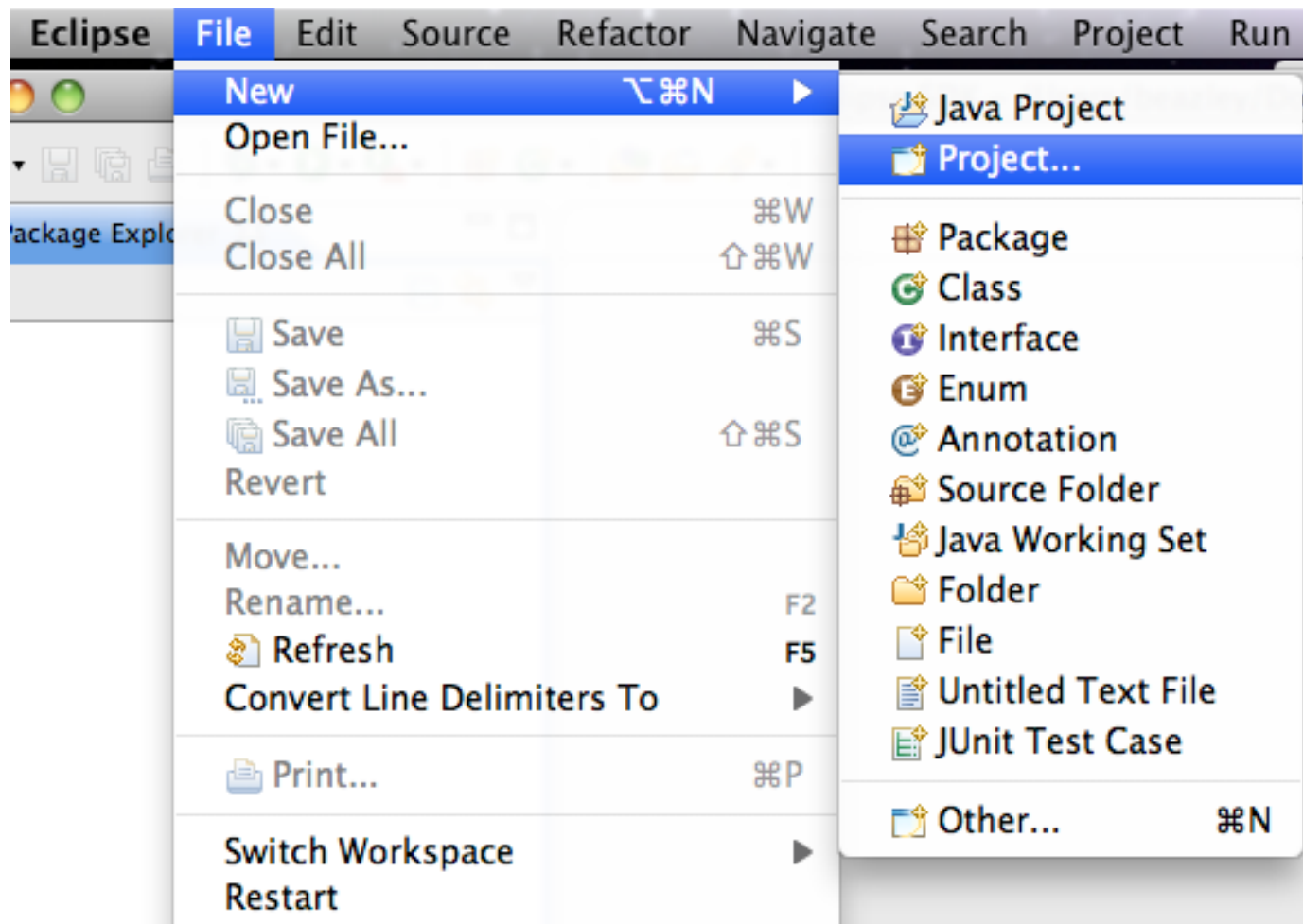
# Pydev Installation

- Install via <http://pydev.org/updates>



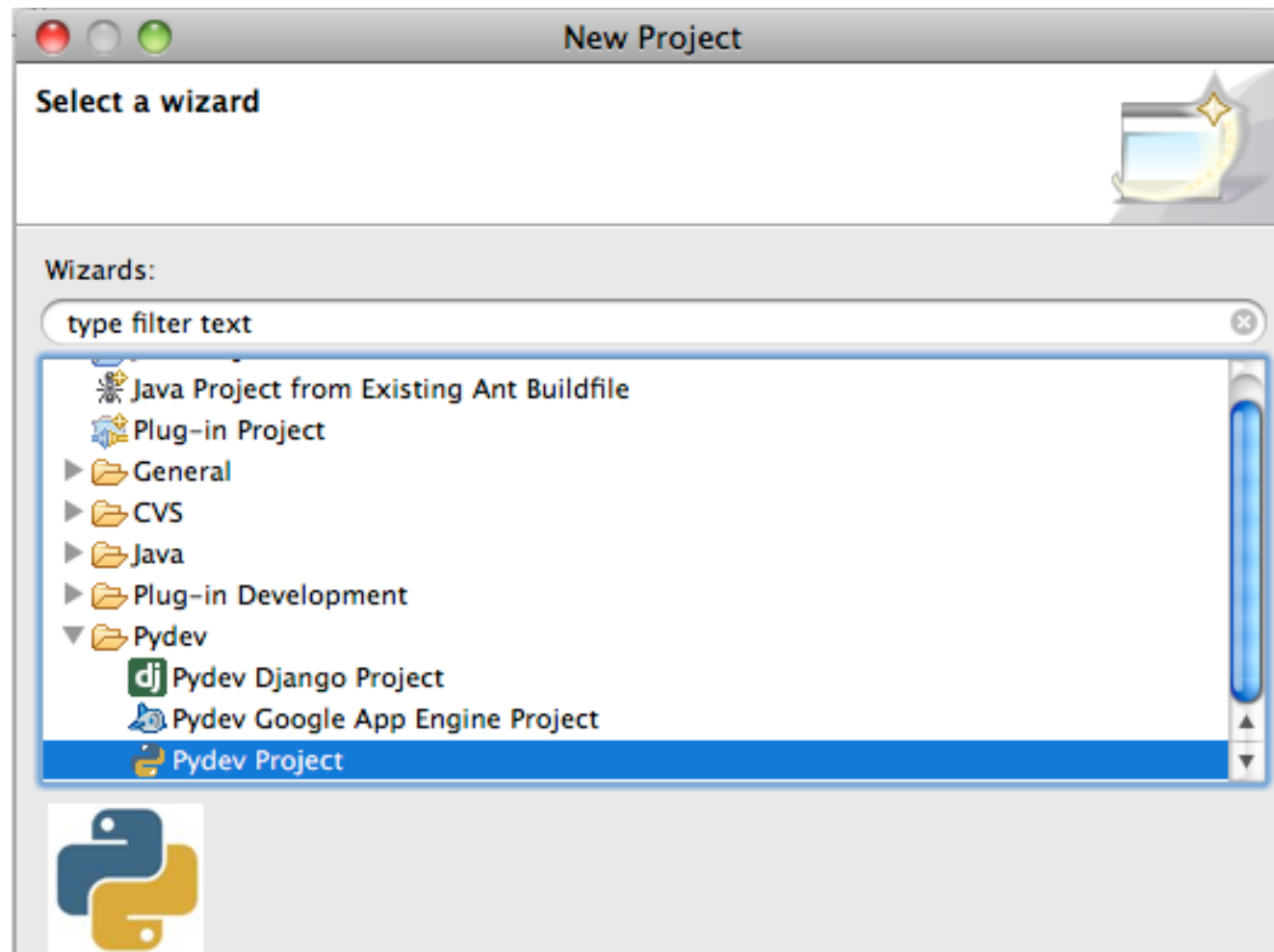
# Pydev Projects

- Make a new project



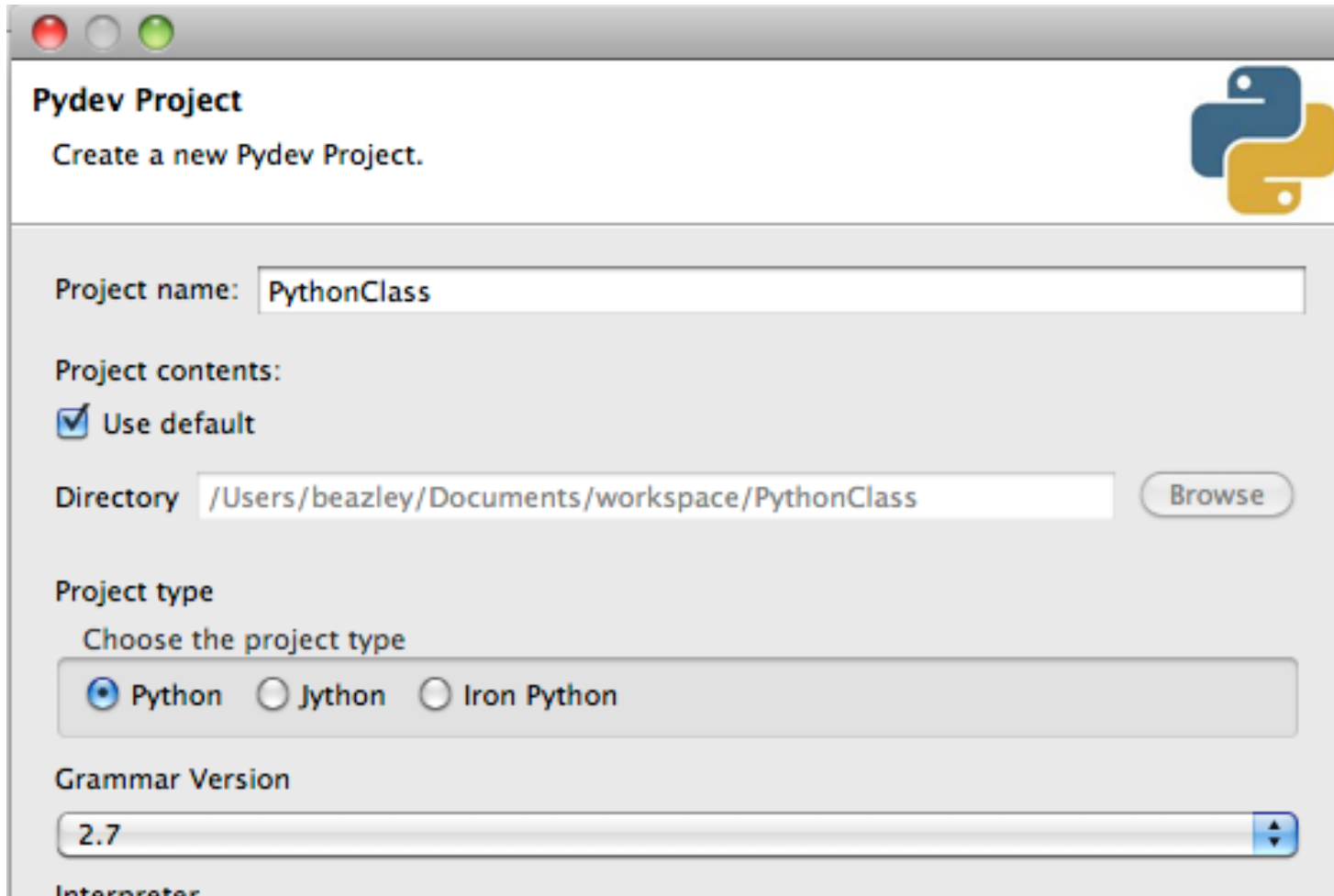
# Pydev Projects

- Select pydev



# Pydev Projects

- Pick a project name (e.g., 'PythonClass')

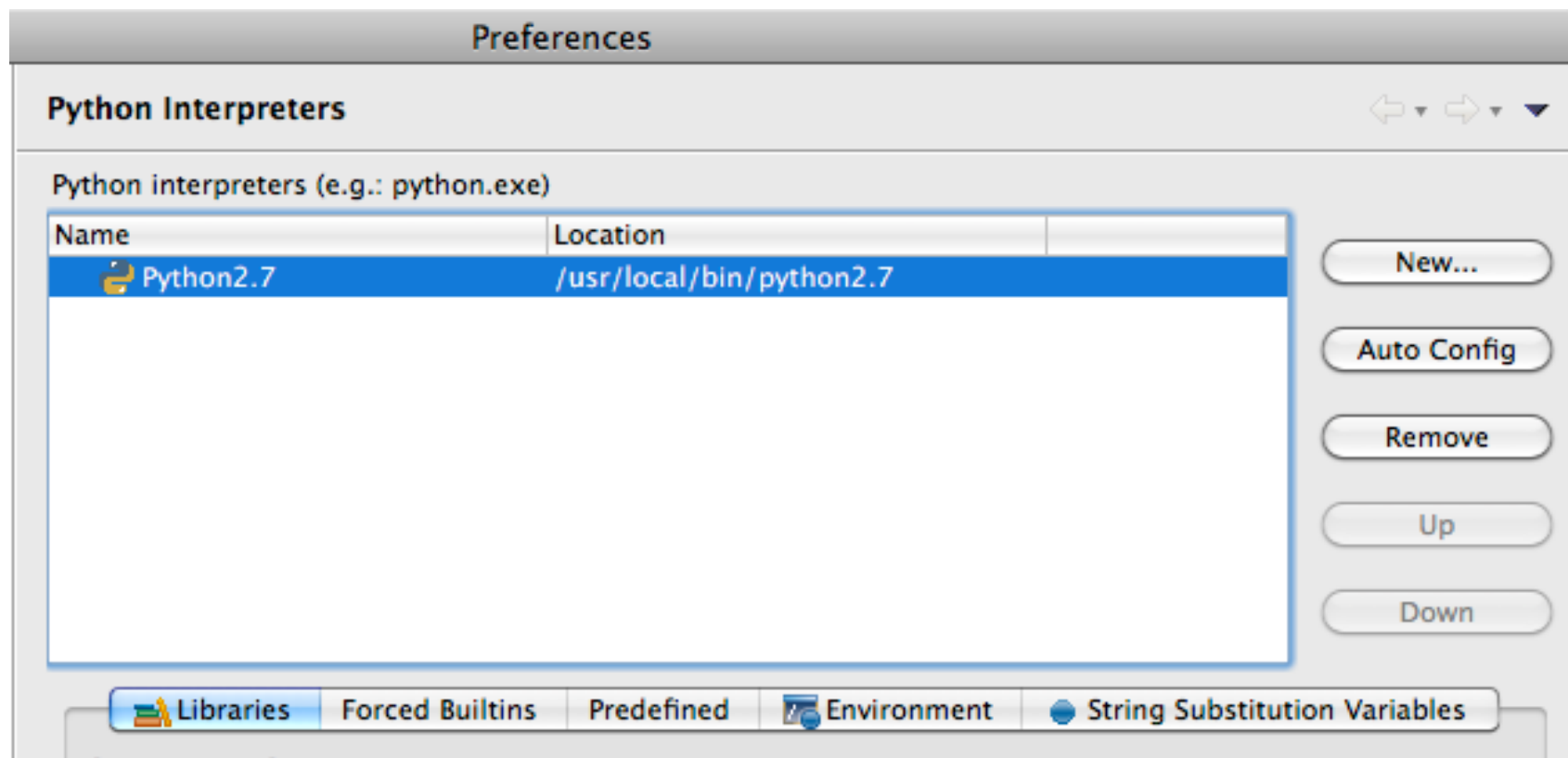


The image shows a 'Pydev Project' dialog box with a title bar containing red, yellow, and green window control buttons. The title bar text is 'Pydev Project' and the subtitle is 'Create a new Pydev Project.' The Python logo is in the top right corner. The main area contains the following fields and controls:

- Project name:** A text field containing 'PythonClass'.
- Project contents:** A section with a checked checkbox labeled 'Use default'.
- Directory:** A text field containing '/Users/beazley/Documents/workspace/PythonClass' and a 'Browse' button to its right.
- Project type:** A section with the text 'Choose the project type' and three radio buttons: 'Python' (selected), 'Jython', and 'Iron Python'.
- Grammar Version:** A dropdown menu showing '2.7'.
- Interpreter:** A label at the bottom of the dialog.

# Pydev Projects

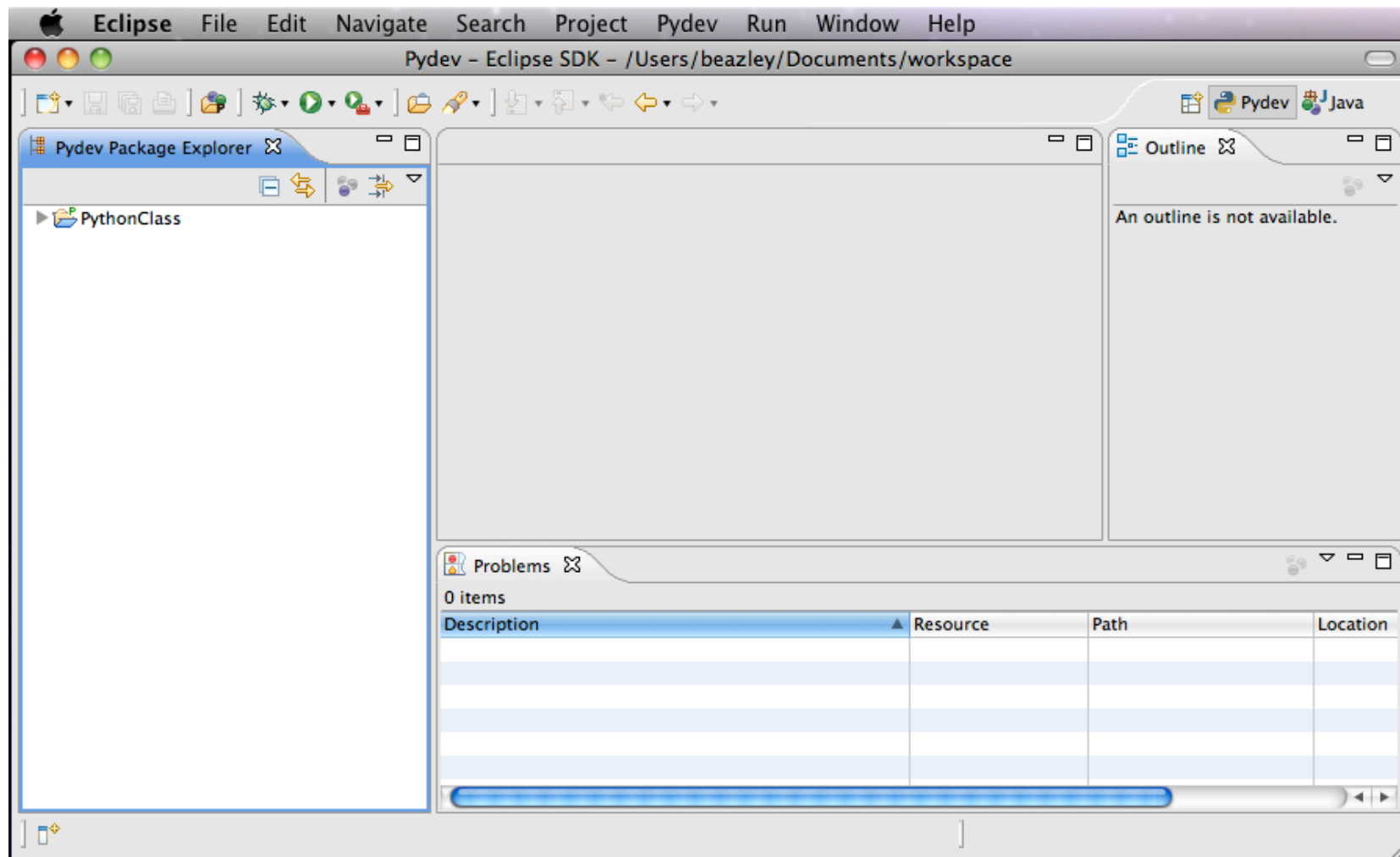
- Note: You may have to tell it about Python





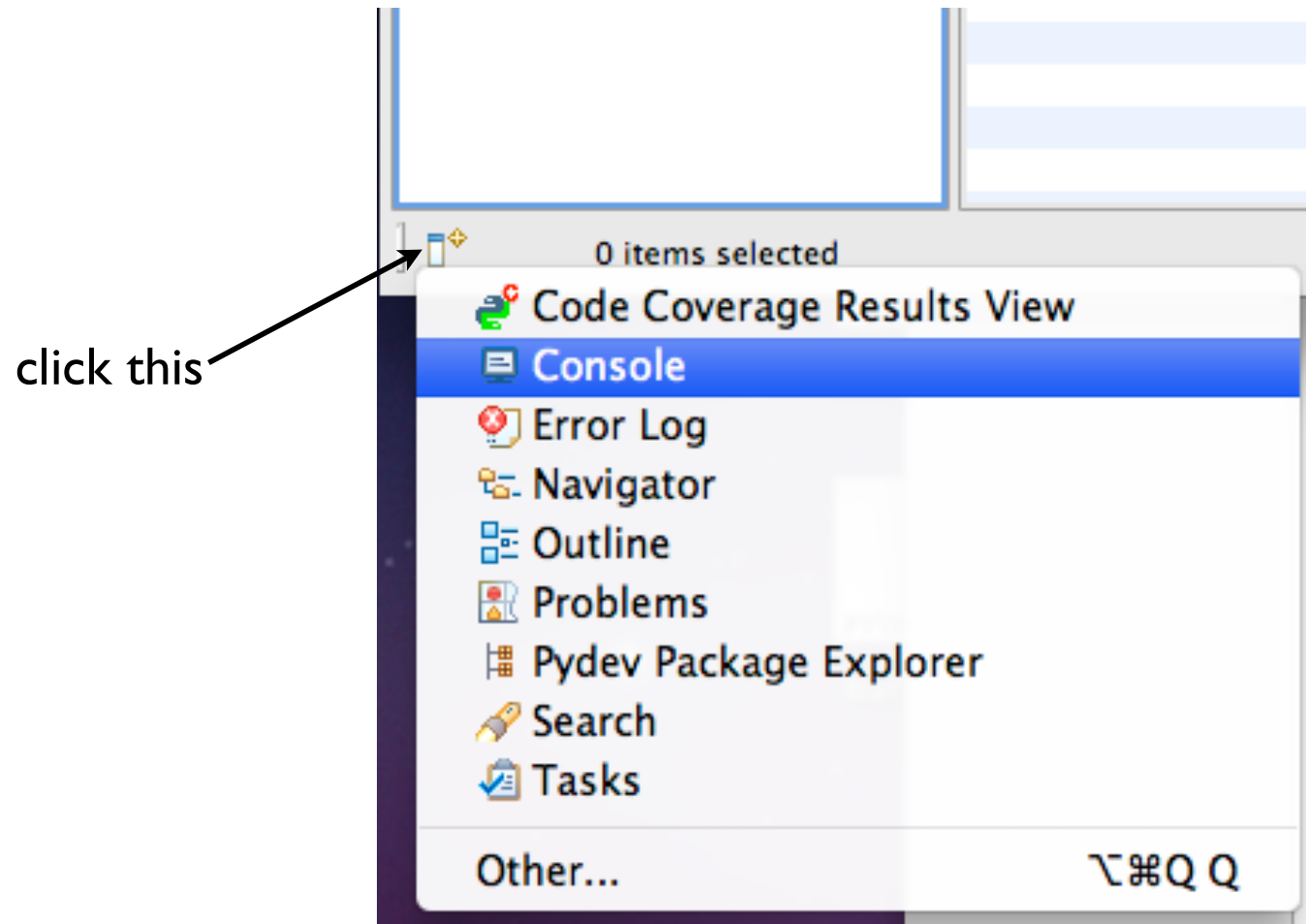
# Pydev Introduction

- Will eventually get to here



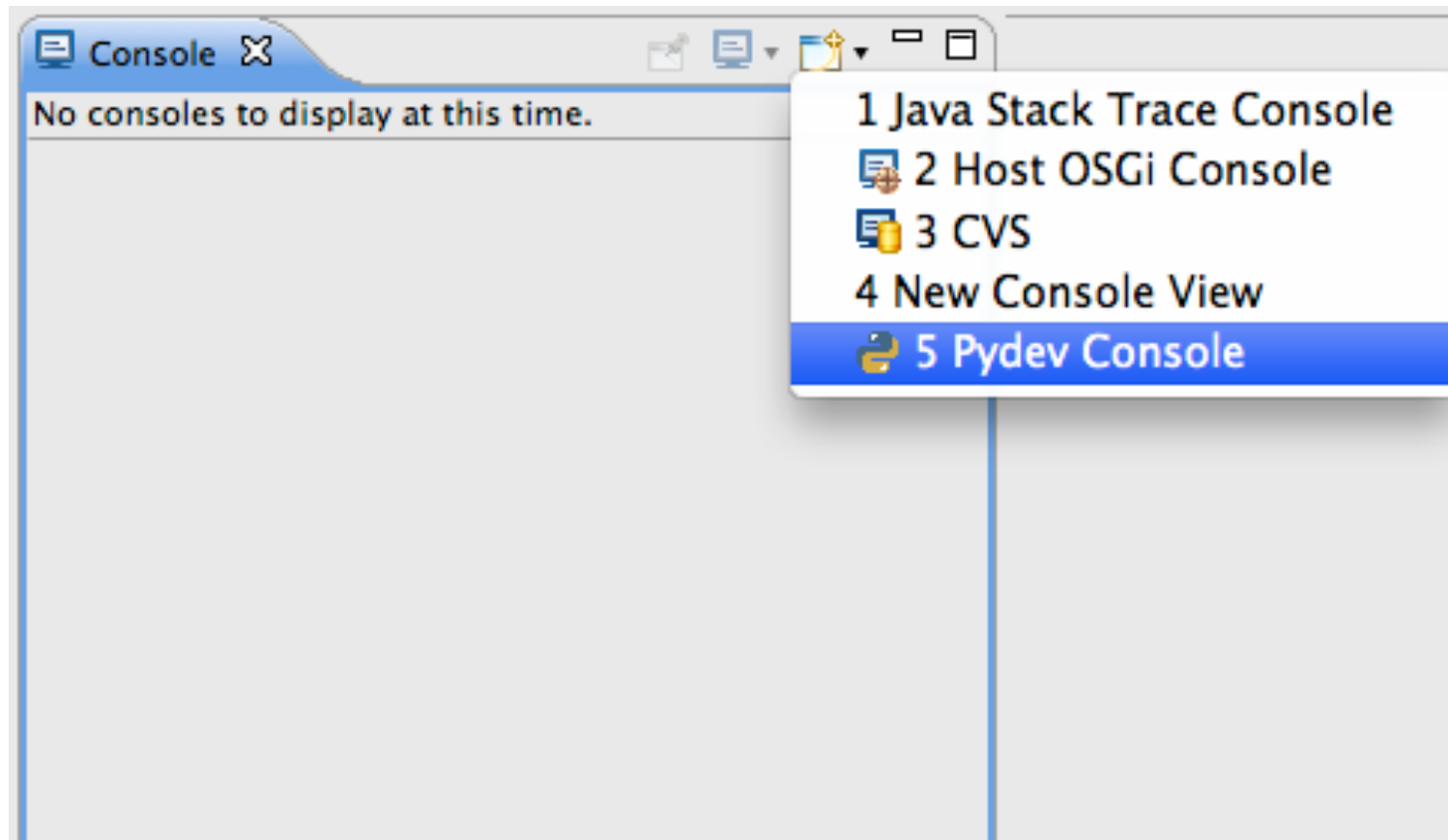
# Pydev Console

- To get an interactive shell, first create a console



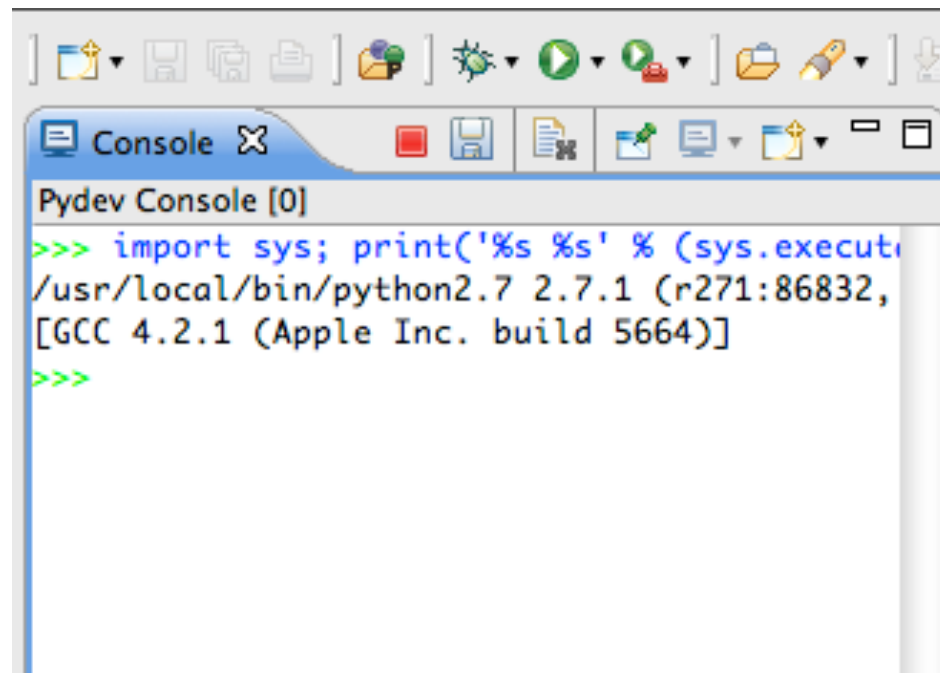
# Pydev Console

- Next, create a new Pydev console



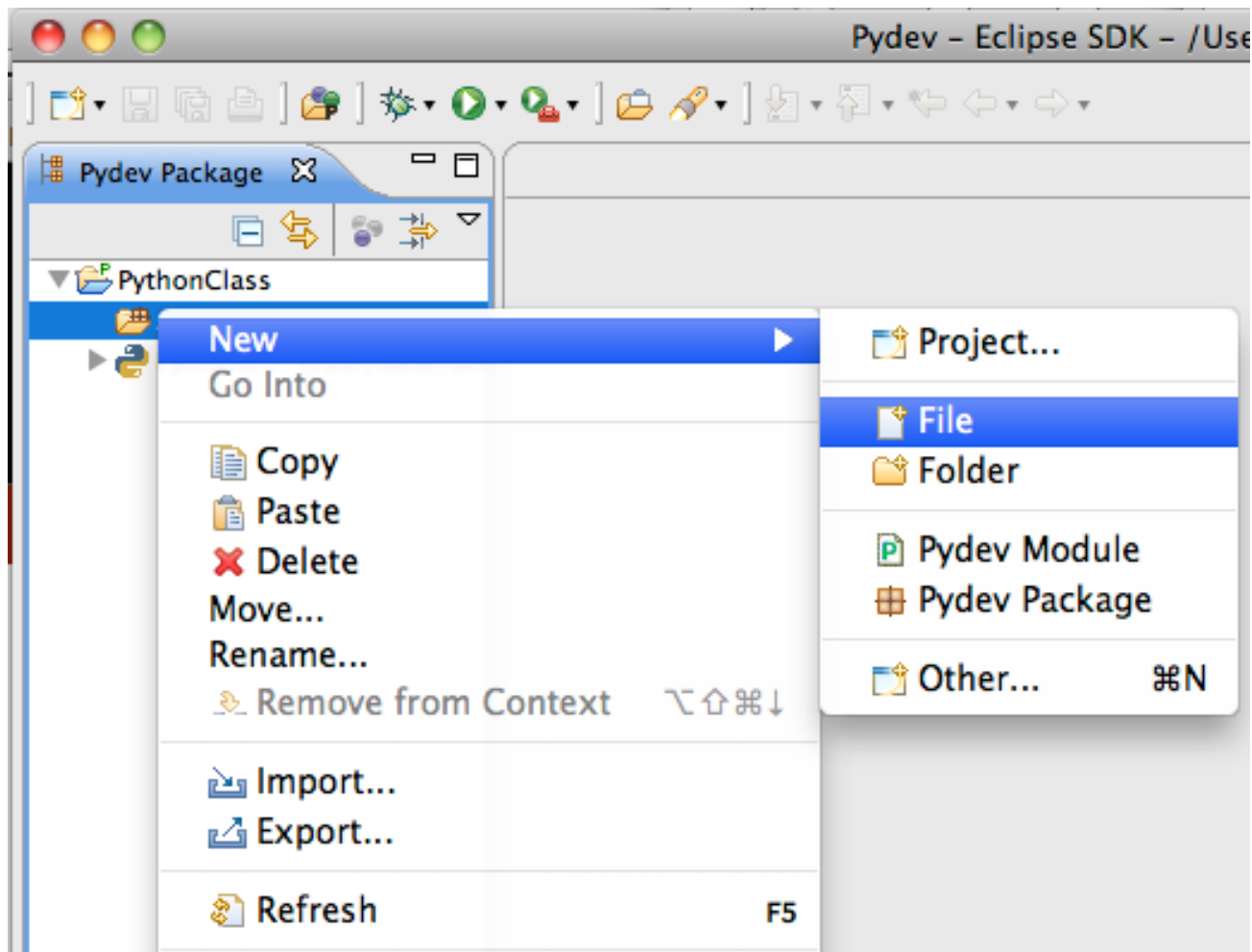
# Pydev Console

- Interactive Python Shell

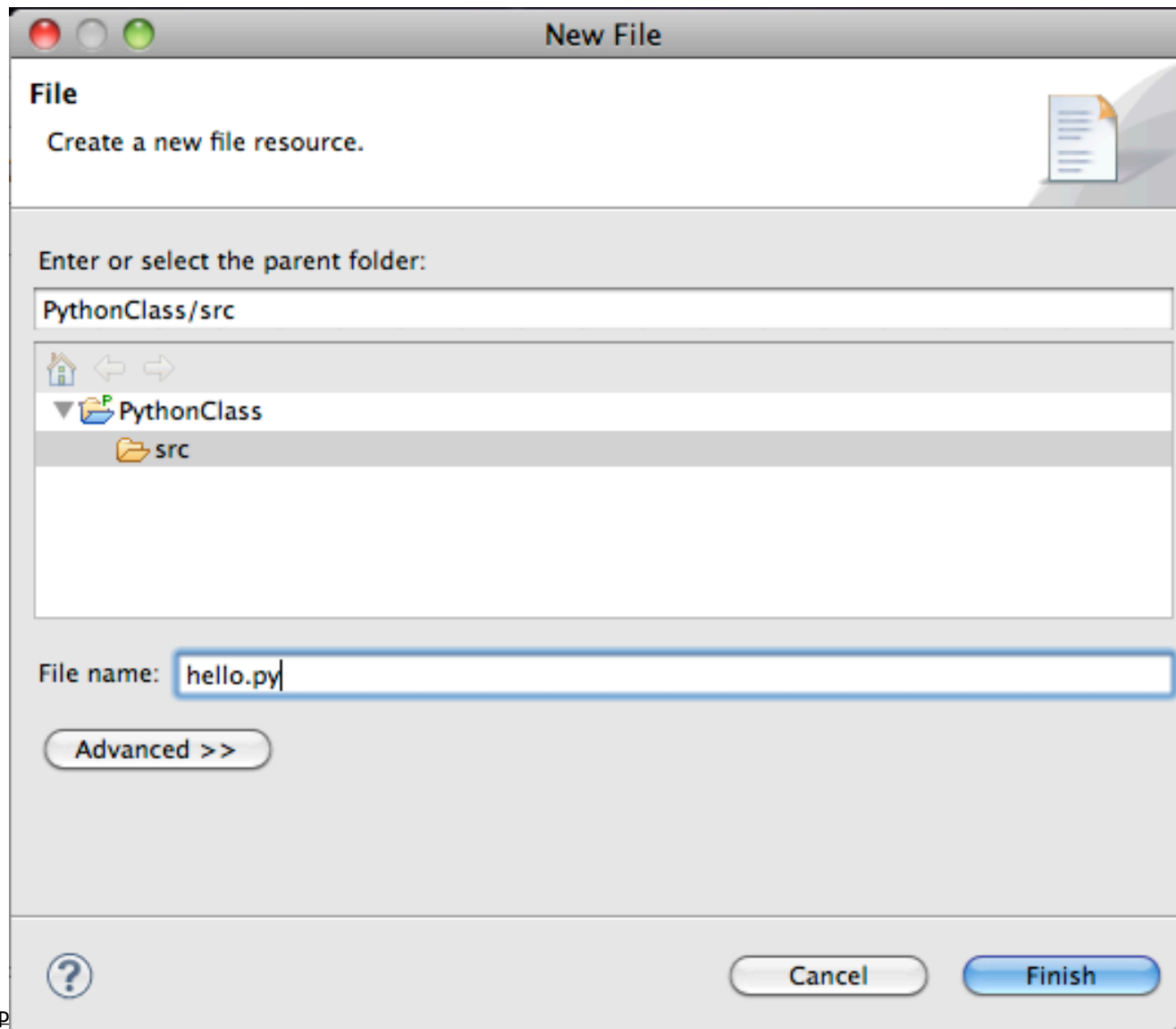


- Move around and resize as desired

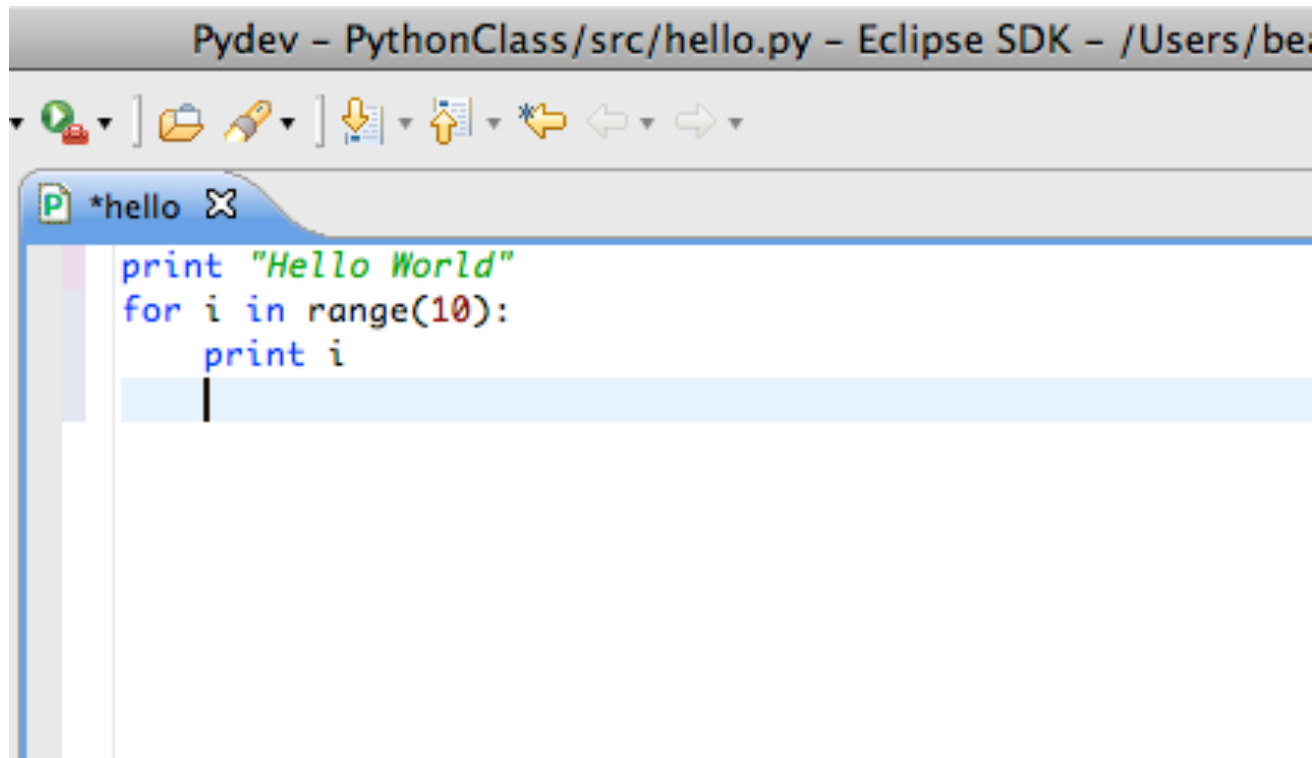
# Creating Programs



# Creating Programs



# Creating Programs

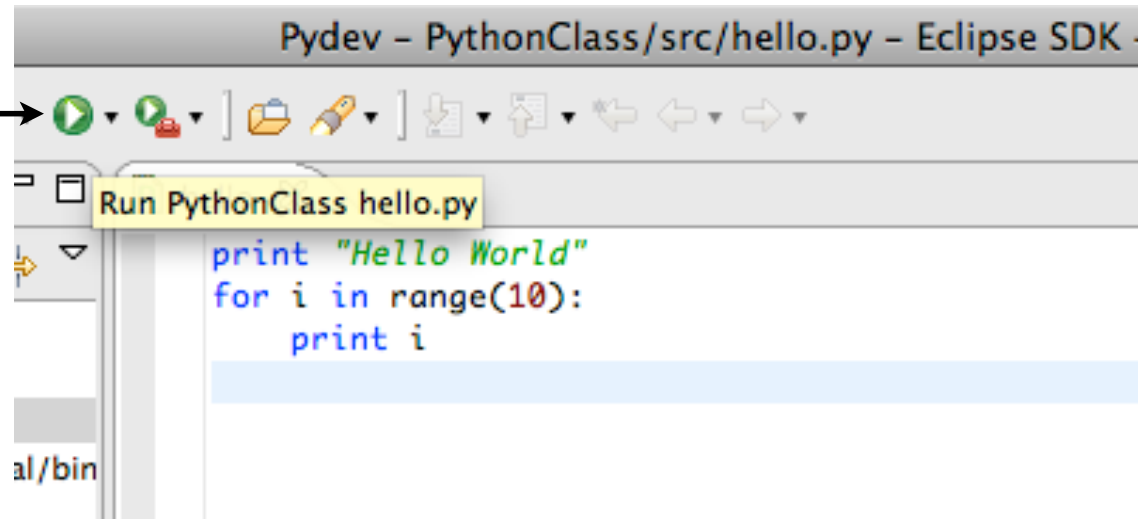


The screenshot shows the Eclipse IDE interface. The title bar at the top reads "Pydev - PythonClass/src/hello.py - Eclipse SDK - /Users/be...". Below the title bar is a toolbar with various icons for file operations and editing. The main editor window has a tab labeled "\*hello" and contains the following Python code:

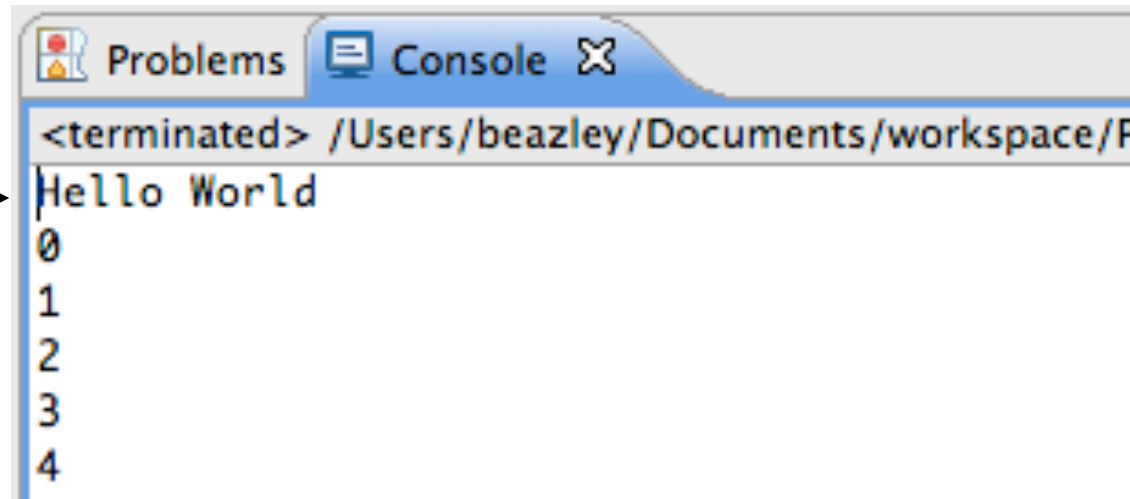
```
print "Hello World"
for i in range(10):
    print i
```

# Running Programs (pydev)

click this



output in  
console





# General Comments

- Eclipse is a large environment
- Many features for "professionals"
- Opinion : not sure it's suitable for learning
- Your mileage might vary