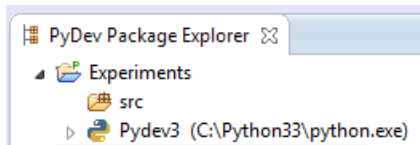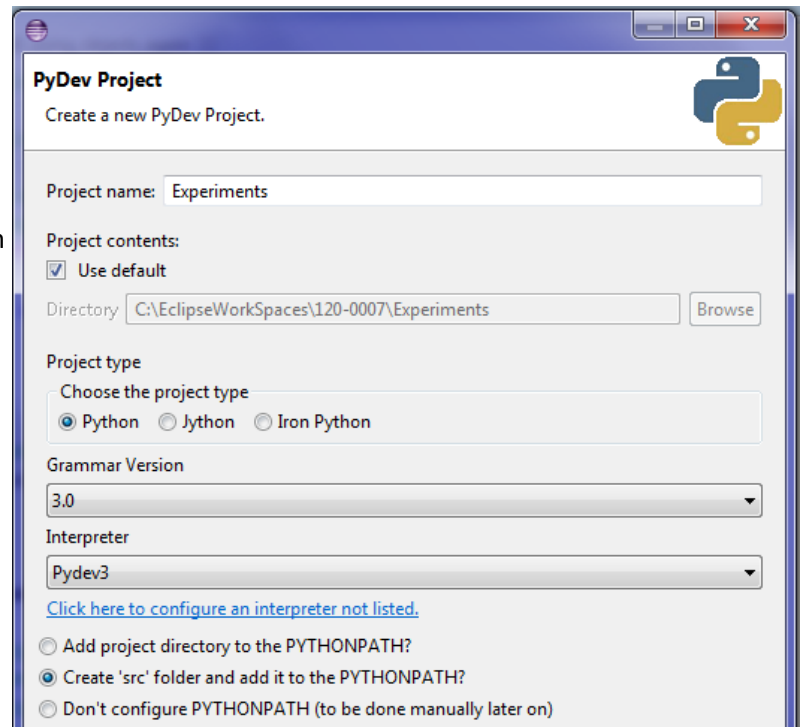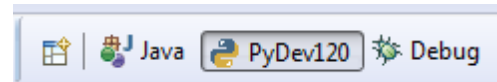# How to create your own PyDev projects and modules

There are many reasons why you might want to create your own project or module. For now, a reason may be to have a place to try out various Python constructs or experiment with objects from a module that you are importing, or to do additional practice programs.

1. **Create a new project:**
   a. In Eclipse, you should be in the PyDev120 perspective.
   b. File ~ New ~ PyDev Project
   c. In the dialog box :
      i. Enter a project name
      ii. Project type: Python
      iii. Grammar version: 3.0
      iv. Interpreter: Python3, or whatever your Python interpreter is called
      v. Second radio button: Create 'src' folder should be selected
   d. Click the Finish button
   e. **The new project should appear in the Package Explorer view**

2. **Create a new Python Module (source code file)**
   a. In the Package Explorer, click the black triangle for the project where you want to add the module (see above picture)
   b. Right-click src and choose New ~ PyDev Module
   c. Enter the name of your new module in the Name field (not the Package Field)
   d. **DO NOT** include **.py** in the Name. That is part of the file name, but not part of the module name. Eclipse will automatically add **.py** to the file name
   e. Click the Finish button
   f. In the next dialog that comes up, you will usually want to choose Module Main (When we create our own classes, it will be Module Class)