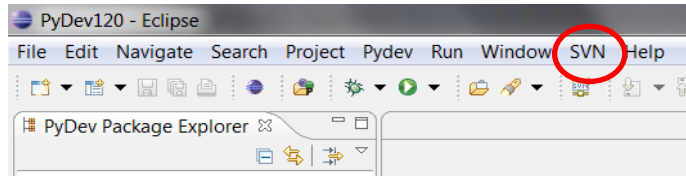


# Getting, Running and Editing a Program, by Pictures

Here's a pictorial introduction to the setup of your **version control system**, **SVN** (Subversion, implemented by Subclipse within Eclipse). You will do this setup **only this first time you use SVN in Eclipse**. It assumes that you are in Eclipse with the **Py Dev120** perspective. If not, your mileage may vary.

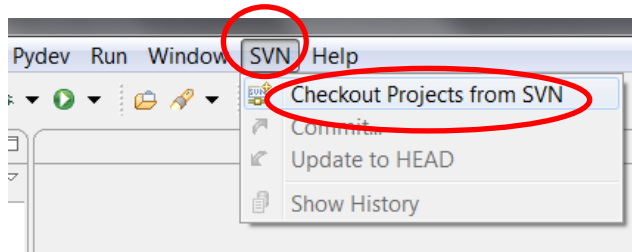
Follow the pictures (and associated instructions), one by one. **Turn to a neighbor or an assistant quickly whenever you get a bit lost** – most of this is much easier to *show* than to explain.

1. Select the SVN icon on the toolbar at the top of Eclipse.

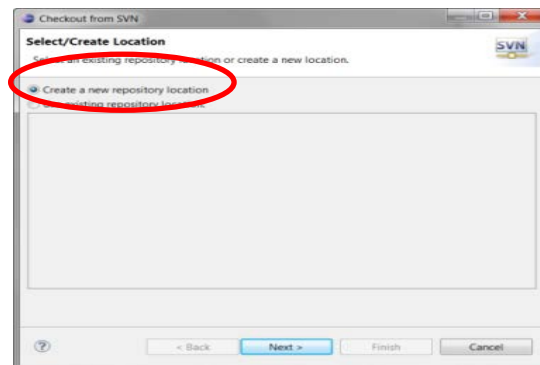


**If you don't have an SVN icon, follow the instructions in this [SVN handout](#).**

2. Initially, the only option is to **Checkout Projects from SVN**.

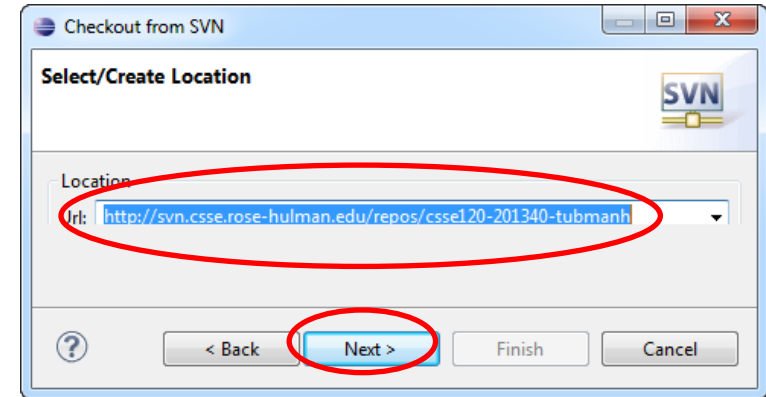


3. Choose **Create a new repository location**.



4. In the next dialog box that opens, carefully type the URL of your **personal repository** for this class (we created it for you):

`http://svn.csse.rose-hulman.edu/repos/csse120-201340-yourUsername`



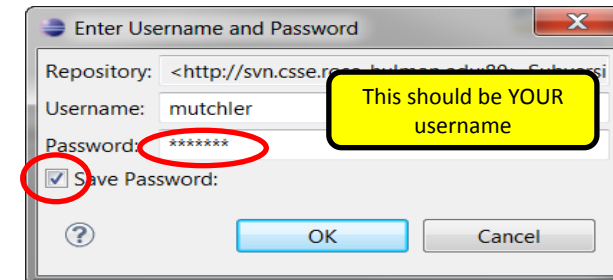
where you **replace *yourUsername*** with your Kerberos username. (The example above shows how a certain famous person would do it.)

Eclipse will remember this repository, so you won't have to type it again once you get it right. After this session, you will use the **personal repository** you create today, but may use other repositories (created later) for team projects.

**If you get an error message after pressing Next, try again, typing carefully, and get help as needed.**

5. The first time you use SVN in Eclipse, it will ask you to enter a username and password.

**Check the box to Save Password** and enter either your default SVN password (**hello**) or the SVN password that you set in class.



Then press OK.

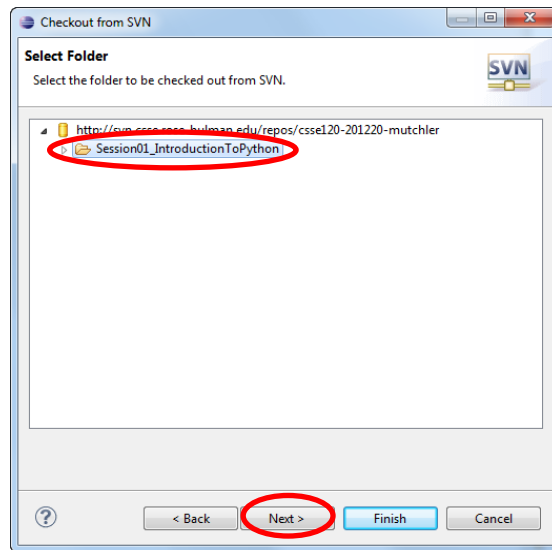
If it repeats this dialog box, try again (type carefully!), **be sure you checked the Save Password** box, and get help as needed.

6. Select the folder (project) that you want to check out.

**Caution: Select the project (as shown), NOT the http line and NOT anything that would appear if you were to expand the project.**

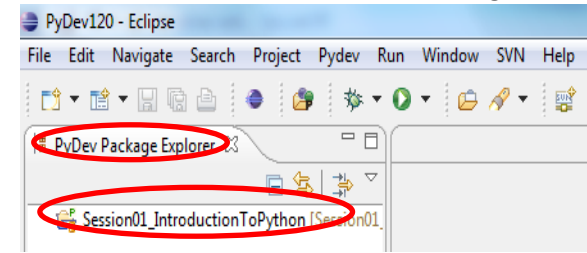
From here you would ordinarily select *Finish*. But this first time, choose *Next* to confirm that all is well.

7. Confirm that the next dialog selects **Check out as a project in the workspace** as shown below– if not, something has probably gone wrong. Then *Next* to get the picture shown at the bottom-left of this column – confirm that you are using the default workspace location and that that location is your **C:/EclipseWorkspaces/csse120** folder. If all is well, press *Finish*.



If you see the project in the **PyDev Package Explorer** window, all is well!

8. Finally, **expand** the project until you see the **.py** files within it, as shown below.



Then **double-click** on the **.py** files to bring them to the editor window (in the middle). Now you are ready to work on the programs!

If you haven't already done so, **maximize Eclipse**; you will want lots of screen real estate!

Try the **green arrow** (circled below) to run the program. Select **Python Run** if it gives you a choice for how to run it.

The **m1e\_hello\_world.py** module shown above prints (displays) its output in the **Console** window (on the right). Other modules (like the **m3e\_input\_compute\_output.py** module) expect you to type inputs in that window as well.

**Try changing the greeting to something else and run your revised version.** Be careful with the quotation marks, and use **Edit ~ Undo** as needed.

