

# Setting up *PyCharm Professional*

You should have already done the following, per a previous document:

1. Install *PyCharm Professional*
2. Install *Git*
3. Create a *Github* account

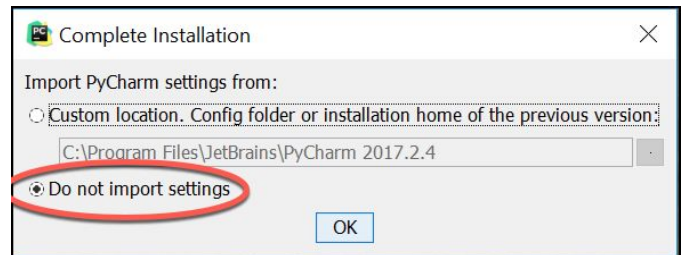
**If you have not already done the above, do so now** by following the instructions in [Installing PyCharm Professional and Git](#).

In this document, you will set up your PyCharm Professional to use Git and an up-to-date version of Python.

**Step #1: Start PyCharm**, as follows:

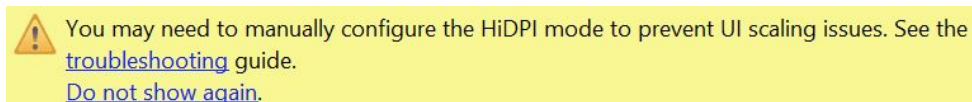
**Run PyCharm** (use your Search tool as needed to find it).

When PyCharm itself starts up, you may see the page shown to the right. If so, check the **Do not import settings** box and then press **OK**.



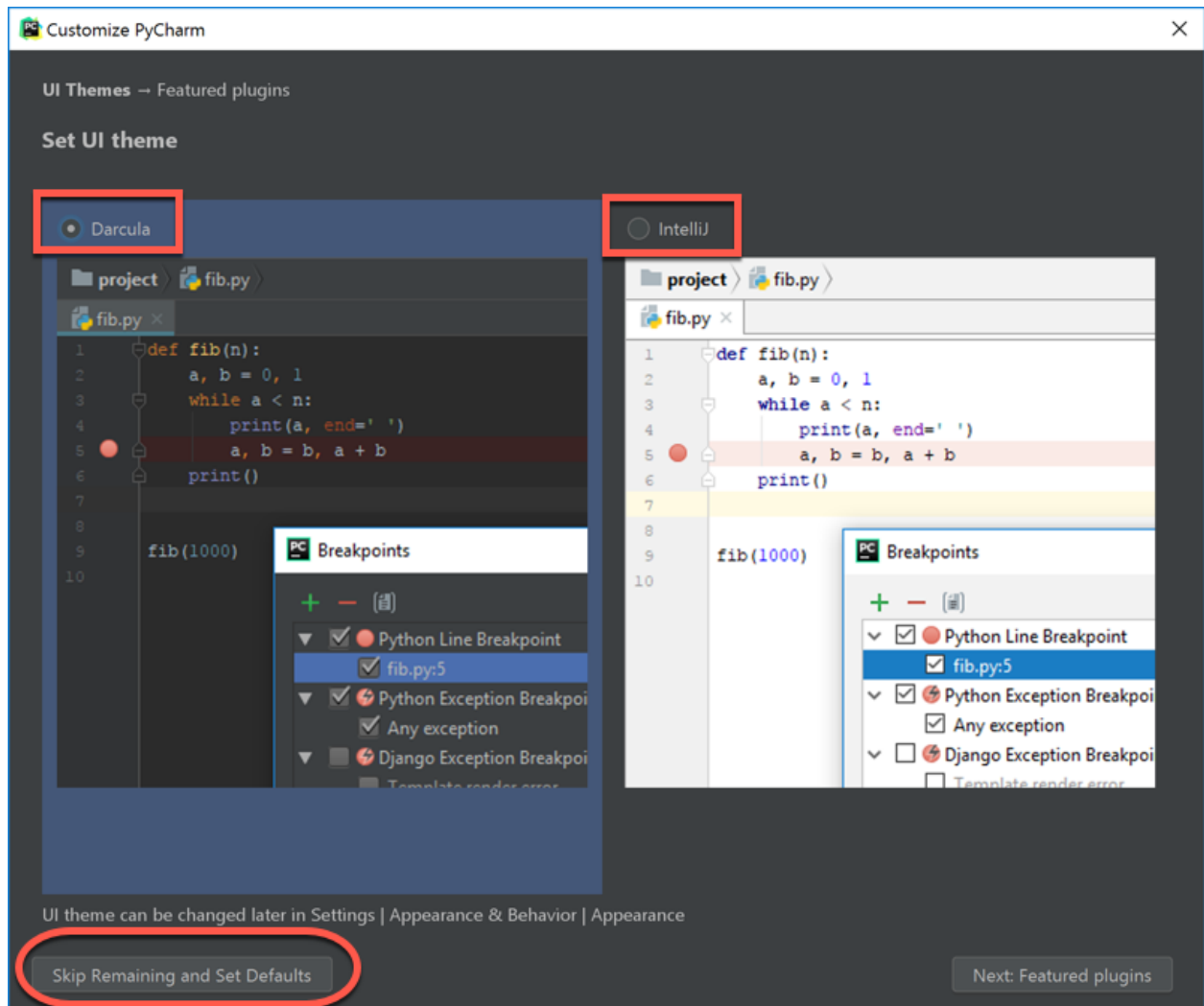
When asked, accept the license and choose whether or not to share your coding behavior with JetBrains (either choice is fine).

At some point, you might (but probably will *not*) see a message like the following. If you do see this message, ignore it and click **Do not show again**.



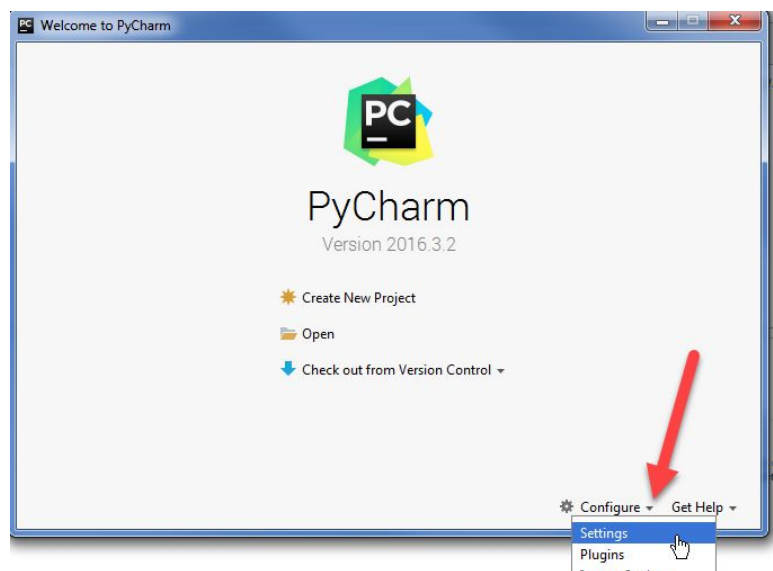
*(these instructions continue on the next page)*

You will see the page the page shown below. Choose whether you prefer the Darcula (dark) or IntelliJ (light) theme. (Either is fine, and it is easy to switch from one to the other later.)



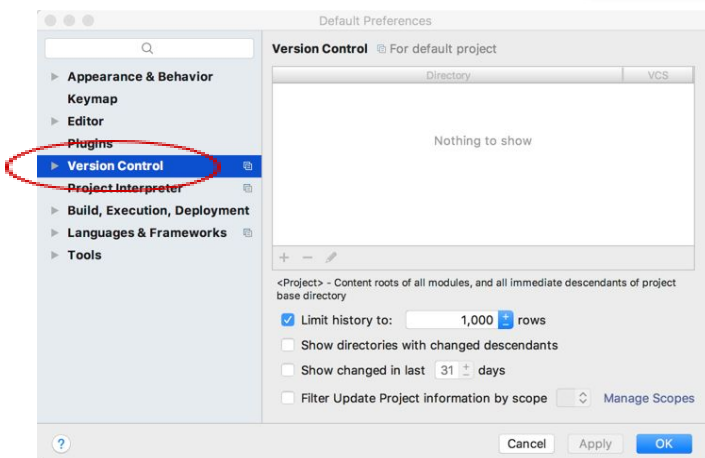
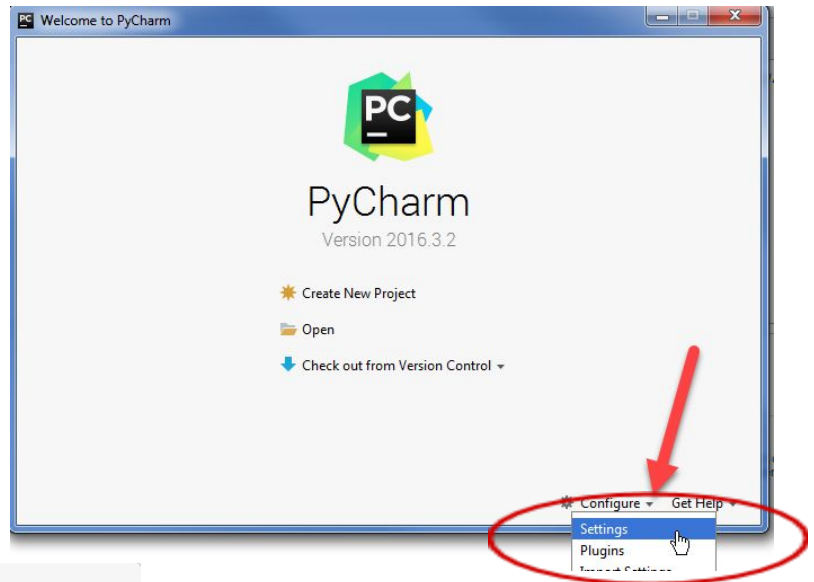
Then press **Skip Remaining and Set Defaults** (the other default values are fine).

When you get to the screen shown to the right, **STOP** (and continue to the next step of these instructions, on the next page).



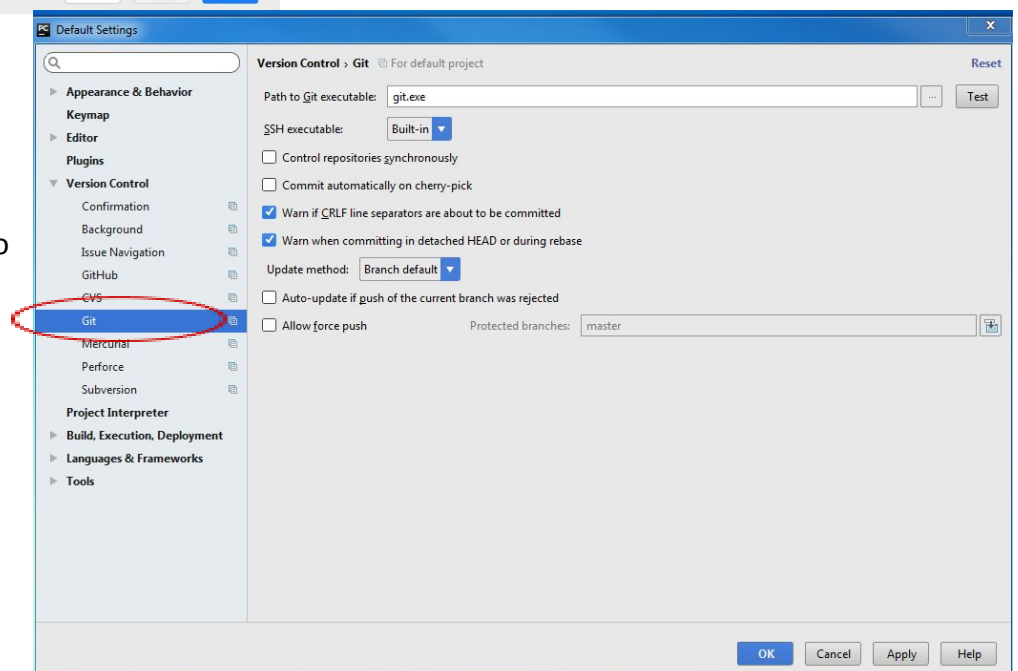
## Step #2: Configure Git in PyCharm, as follows:

From the main PyCharm main page, select **Configure** → **Settings** (or *Preferences* on a Mac), as shown to the right.



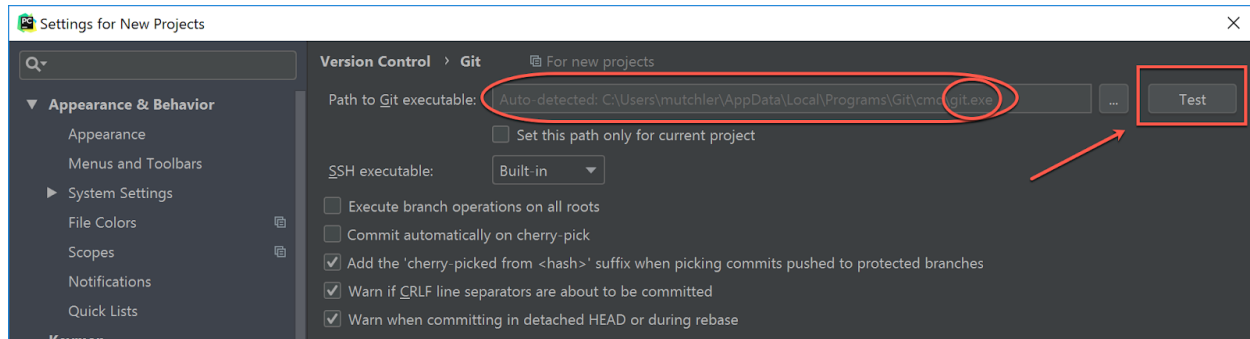
Then, from the **Settings** page that appears, **expand Version Control**, as shown to the left and below.

From the expanded **Version Control**, select **Git** to get the screen shown to the right.

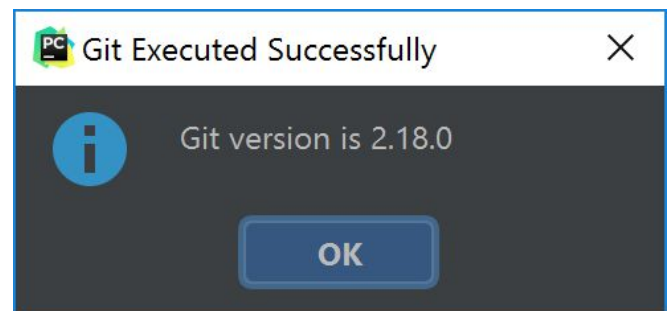


At that screen (*instructions continue on the next page*):

You may see something like the screen shown below, where PyCharm has already found where your **git.exe** file is stored on your computer. If so, press the Test button.



If you get a message that says **Git Executed Successfully**, as shown to the right, then you have completed setting up Git in PyCharm. In that case, skip ahead in these instructions to **Part 3: Configure Your Python Interpreter in PyCharm**.



Otherwise, click the button that has the **three dots**, as shown below:



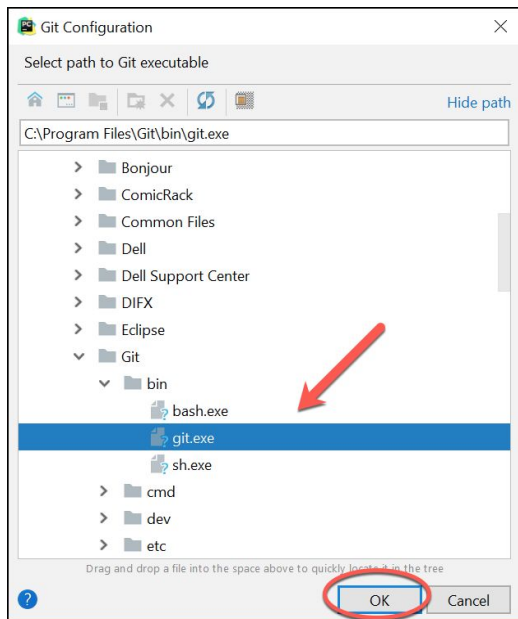
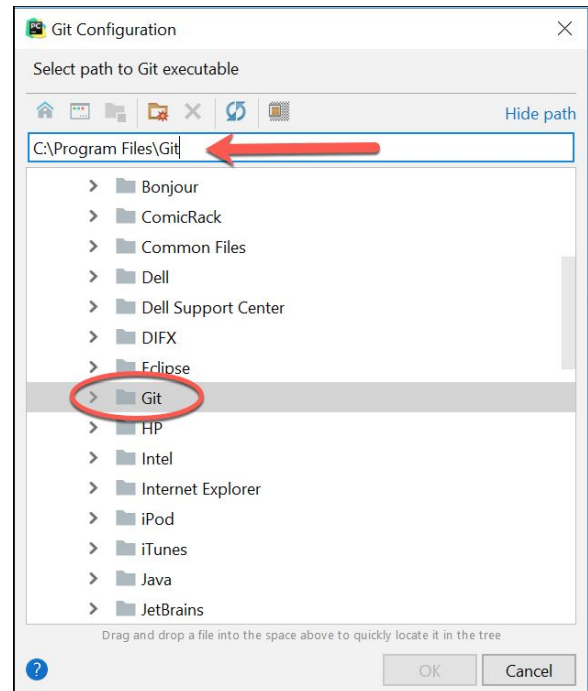
*(these instructions continue on the next page)*

That will **pop up a submenu** (as shown to the right).

**Expand folders as necessary to get to the *Git* folder** that you obtained when you installed Git, as shown to the right.

Expand that **Git** folder, then expand its **bin** subfolder, as shown below.

Select **git.exe** and then press **OK**.



You should now have a valid path to **git.exe**, something like this:



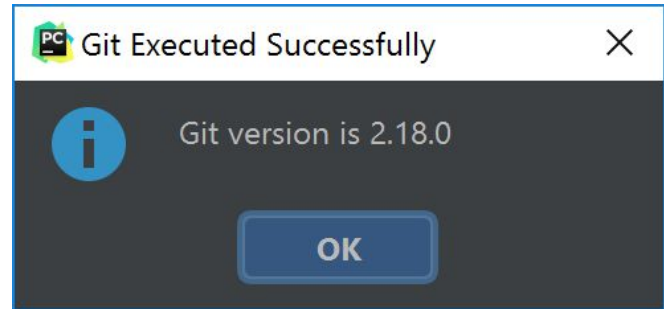
*(these instructions continue on the next page)*

Once you have a valid path to **git.exe**, press the **Test** button.



It should give you a message that says “**Git executed successfully**”, as shown to the right.

Press **OK** to exit the dialog.

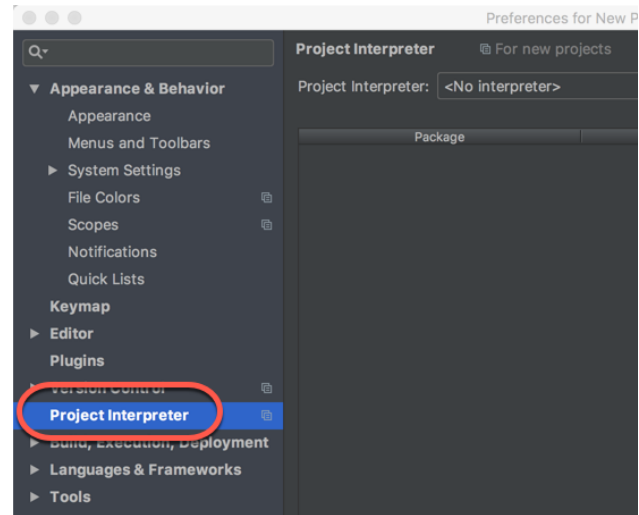


**If you do NOT get a “Git executed successfully” message**, get help from your instructor or a student assistant to complete the configuration of Git in PyCharm. But in any case, continue to the next step to configure your Python interpreter, as shown on the next page.

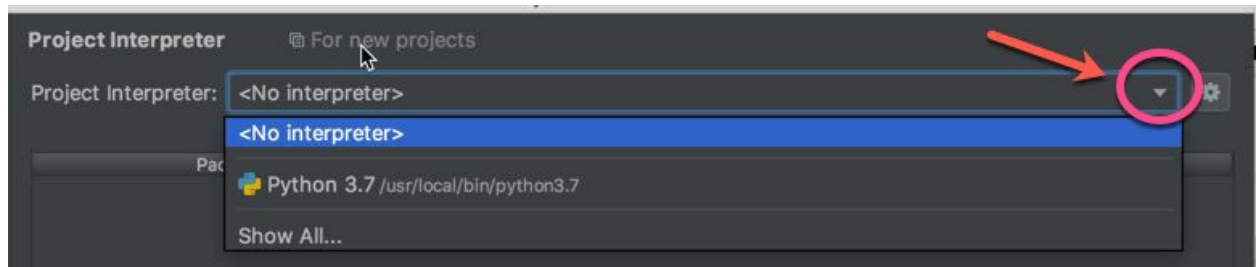
*(these instructions continue on the next page)*

**Step #3: Configure your Python Interpreter in PyCharm**, as follows:

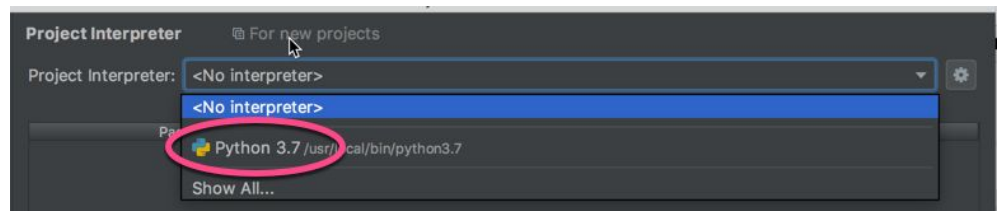
Still in the **Settings** dialog, select **Project Interpreter** (toward the bottom of the list on the left-hand side).



Then click on the little pull-down arrow on the right-hand-side of the Project Interpreter text box:



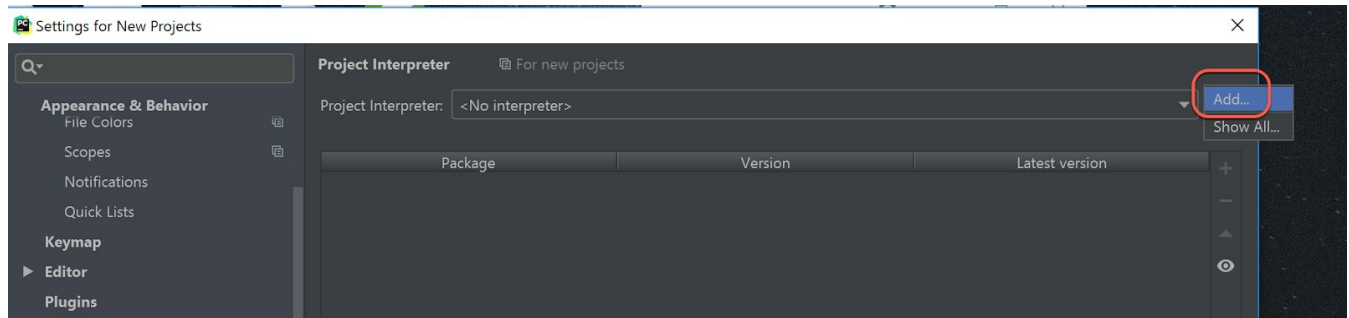
Hopefully it shows **Python 3.7**, as shown to the right. If so, select **Python 3.7** and then click **OK** to exit the Settings dialog. It



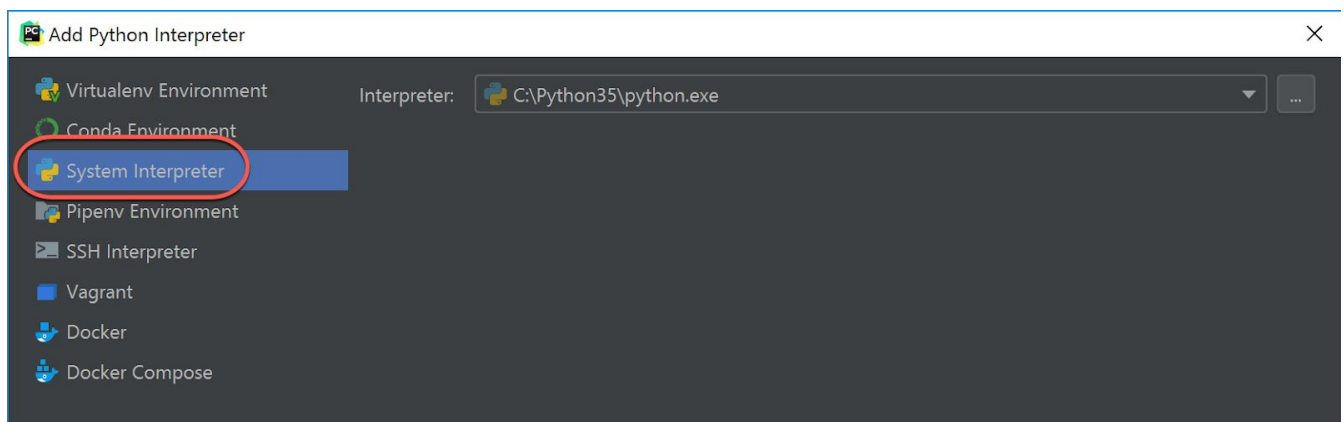
will take a minute or two for all the Python Interpreter files to get loaded.

If you do **NOT** see **Python 3.7** in the pull-down shown above, then (continued on the next page) ...

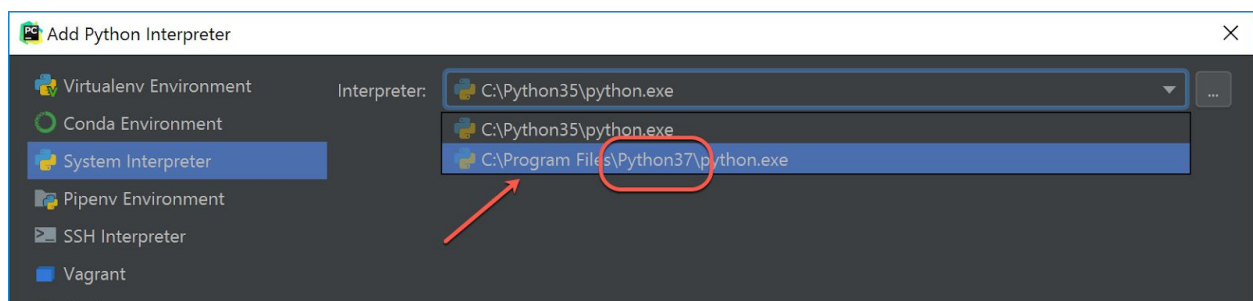
If you do **NOT** see **Python 3.7** in the pull-down shown on the previous page, then select the tiny “gear” symbol to the right of the pull-down symbol, and select **Add...** from the pop-up that appears, as shown below.



**IMPORTANT:** In the screen that then appears, select **System Interpreter**, as shown below. Do **NOT** use the Virtualenv Environment that is the default option.



Now **try the pull-down arrow again**. If it shows a file for **Python 3.7**, as shown below, **select the Python 3.7 choice** and then click **OK** to exit the Settings dialog. It will take a minute or two for all the Python Interpreter files to get loaded.



If Python 3.7 still has not shown up, get help from your instructor or in class.