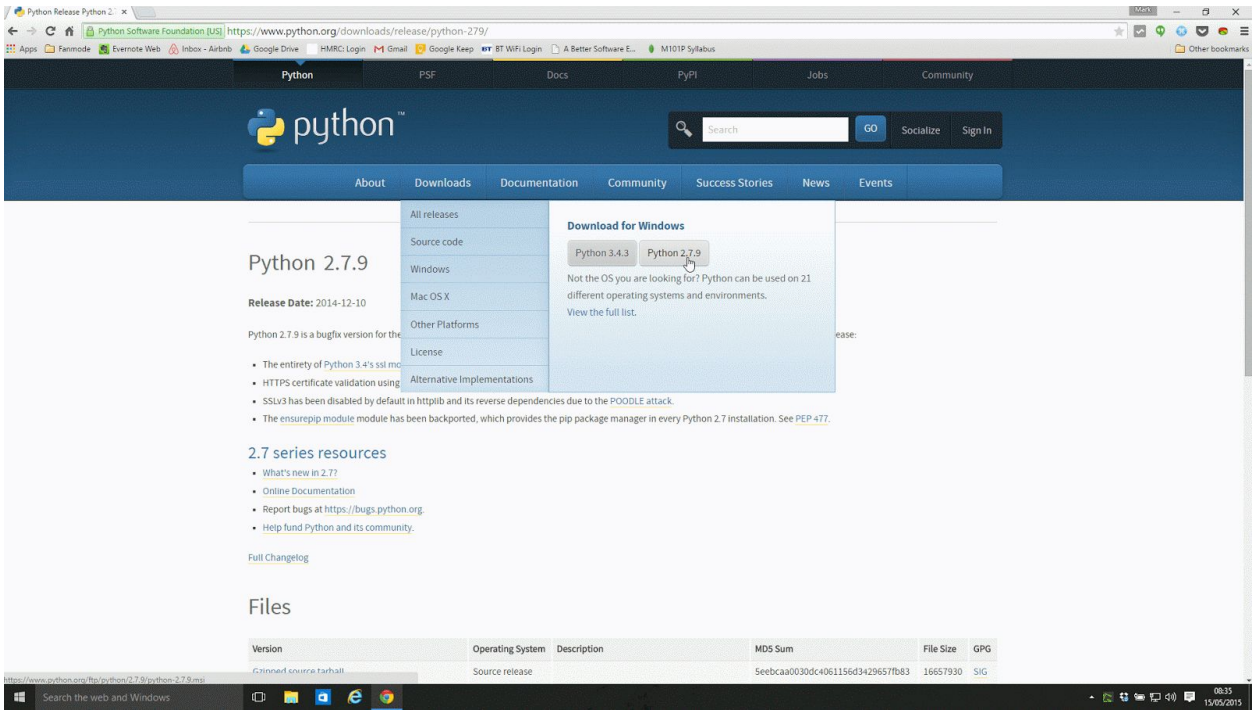
Setting up your Windows 10 System for Python Development (PyDev, Eclipse, Python)

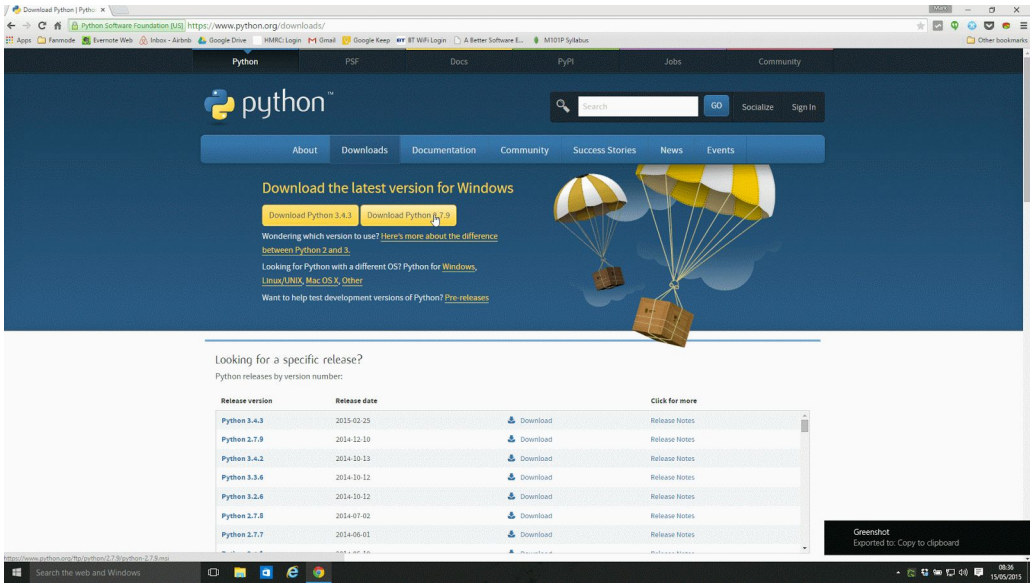
In this guide, I'll explain how you can set-up your Windows 10 machine for some extreme Python development.

Install Python

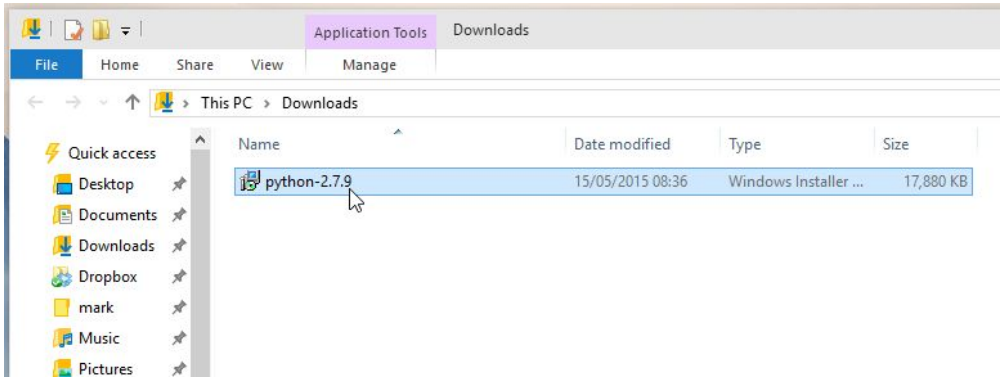
First we install Python. I recommend Python 2.7 because it has the most compatible packages. Visit www.python.org and navigate to **Downloads** > **Windows** and click **Python 2.7.9**.



Next, select **Download Python 2.7.9** from options.



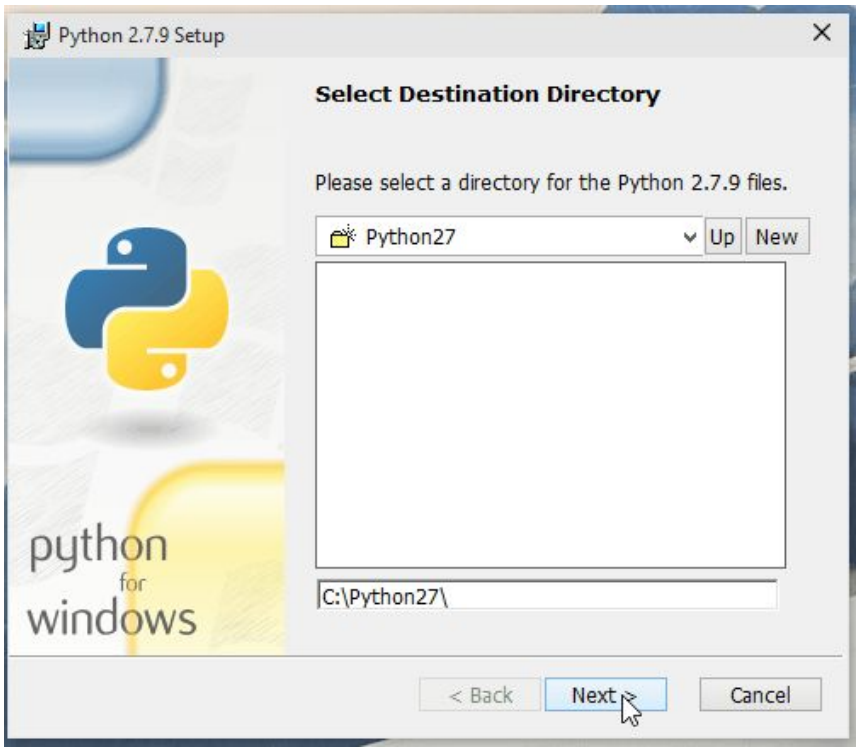
Wait for the Python installer to download, and then double click on it.



The Python *Windows Installer* will launch.

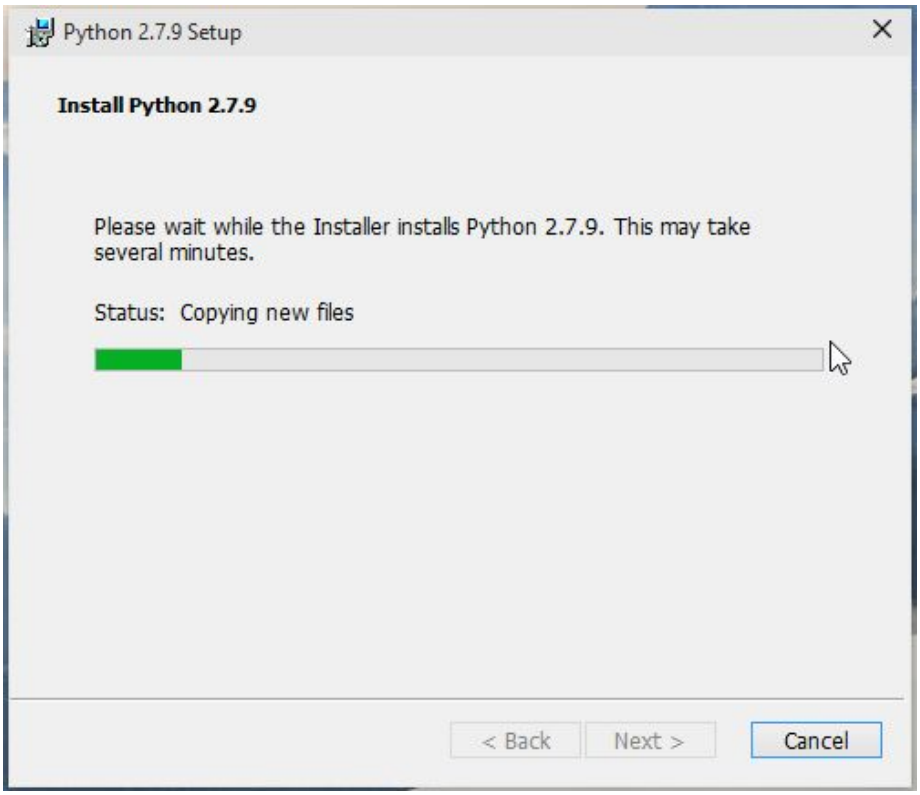
In the Python Setup screen, select **Install for all users** and click **Next >**.

I recommend you leave the destination directory as default and click **Next >**.



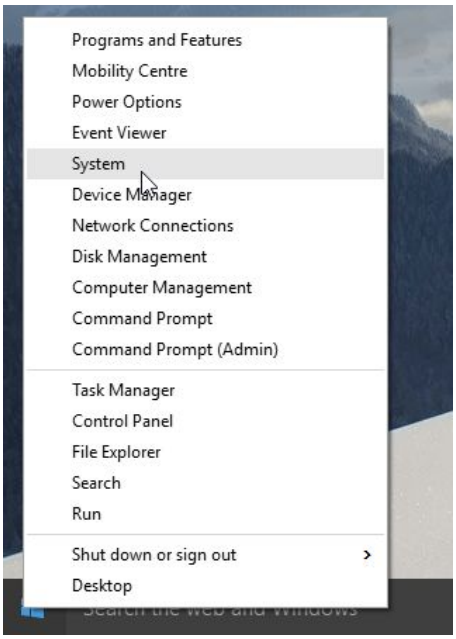
Leave the *Customize Python 2.7.9* screen as default and select **Next >**.

Wait for the installation to complete.

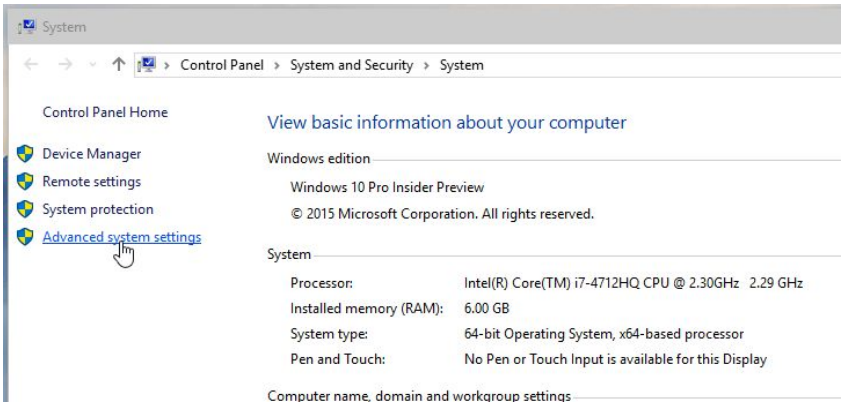


Once the installation completes, choose **Finish**.

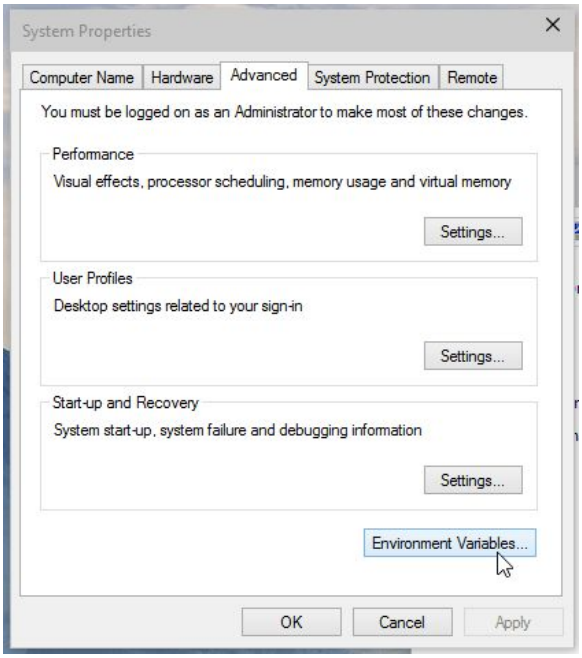
Now we need to add Python to the environment variables. This means when you type “python” into the Windows Command Prompt window, it will start Python. Right click the Start Menu in the bottom left and select **System** to load the System menu.



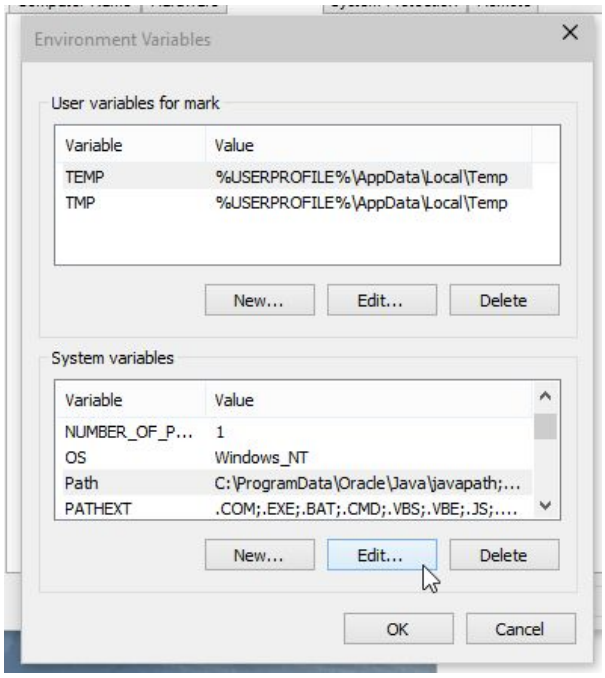
In the *System* menu, click on **Advanced system settings**.



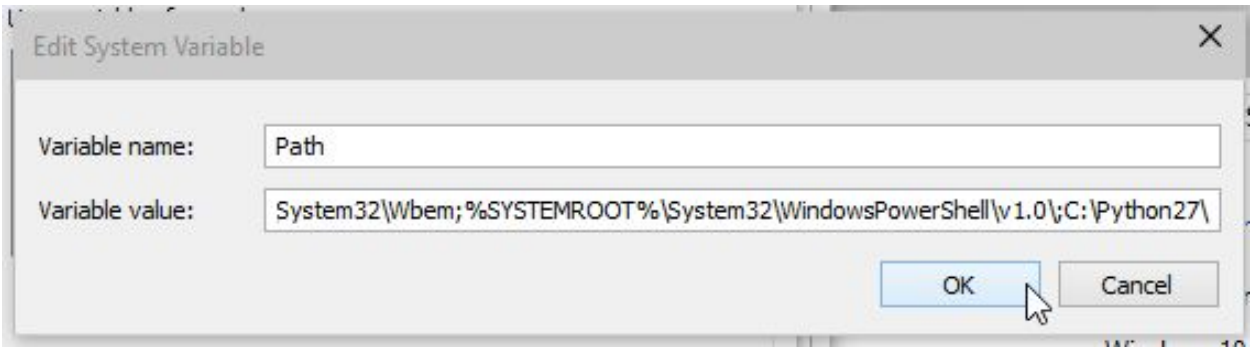
In the *System Properties* window, select the **Advanced** tab and click **Environment Variables…**



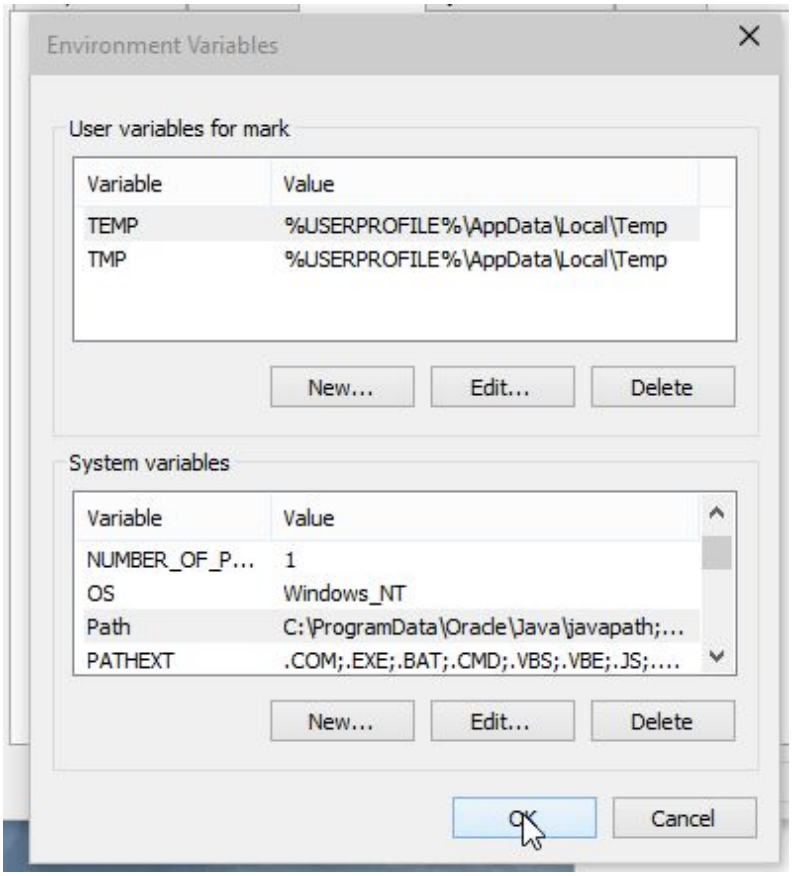
Under *System variables*, find the variable with the name *Path*. Click it and choose **Edit**…



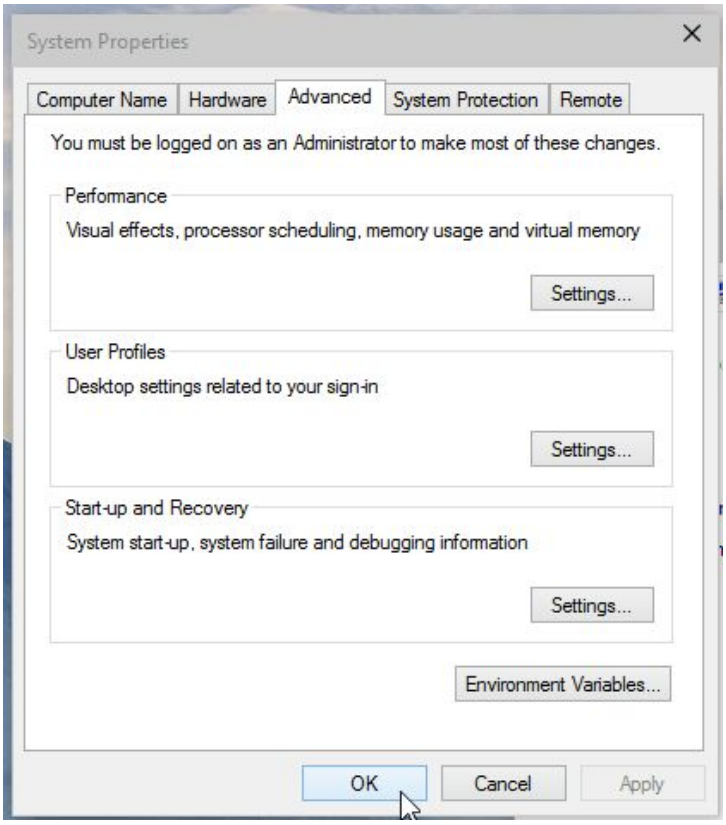
Being careful to leave the existing values intact, navigate to the end of the *Variable value* text box. Then append "**;C:\Python27**" to the end (without quotes). The semicolon is used to separate the variables. Then click **OK** to save the update.



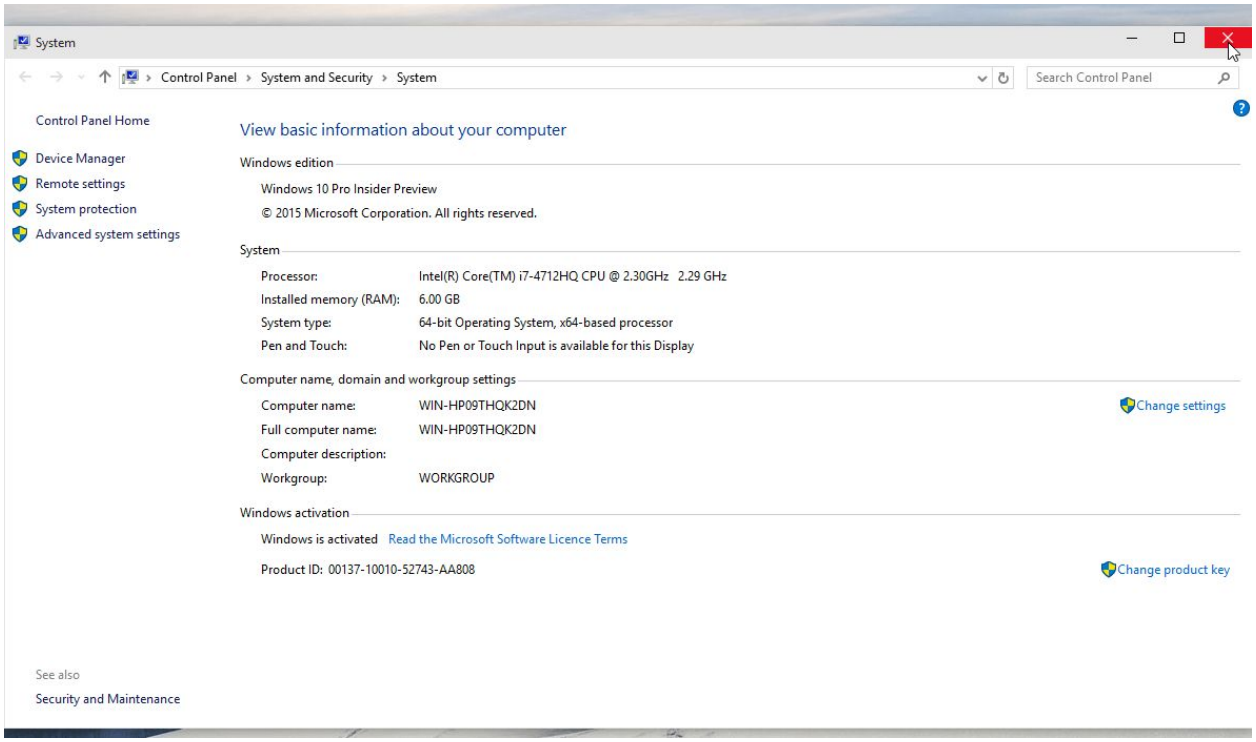
Then click **OK** on the *Environment Variables* screen.



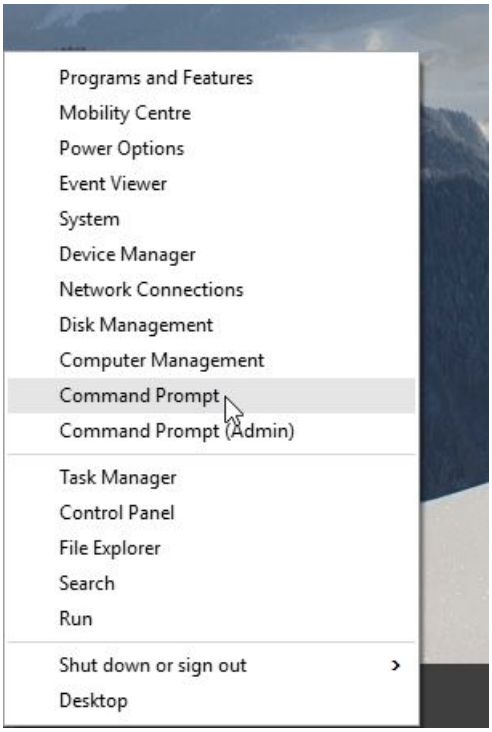
Click **OK** on the *System Properties* screen.



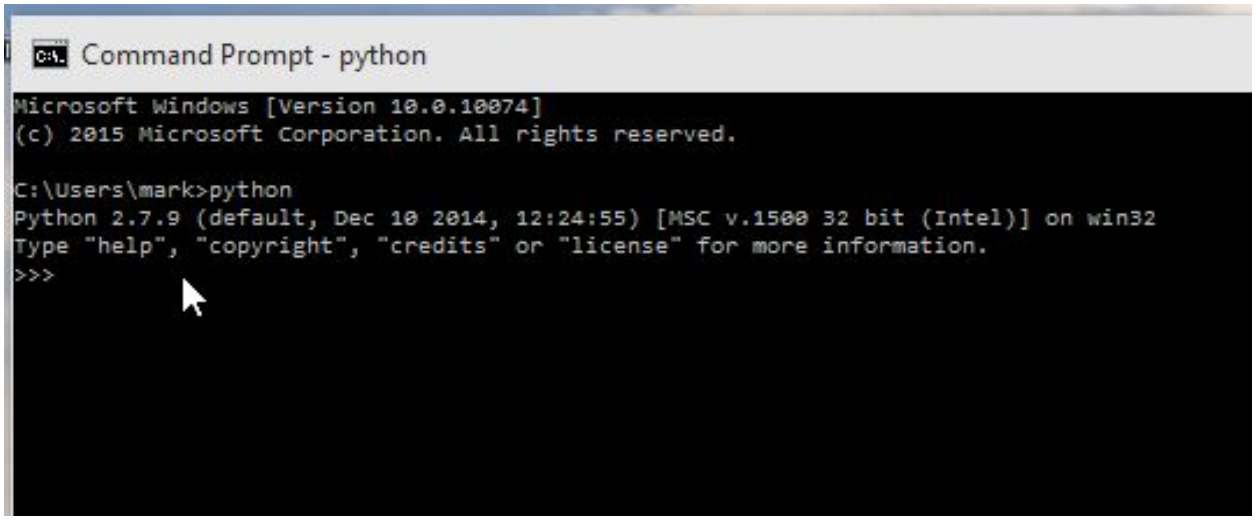
Exit the *System* menu by clicking **X**.



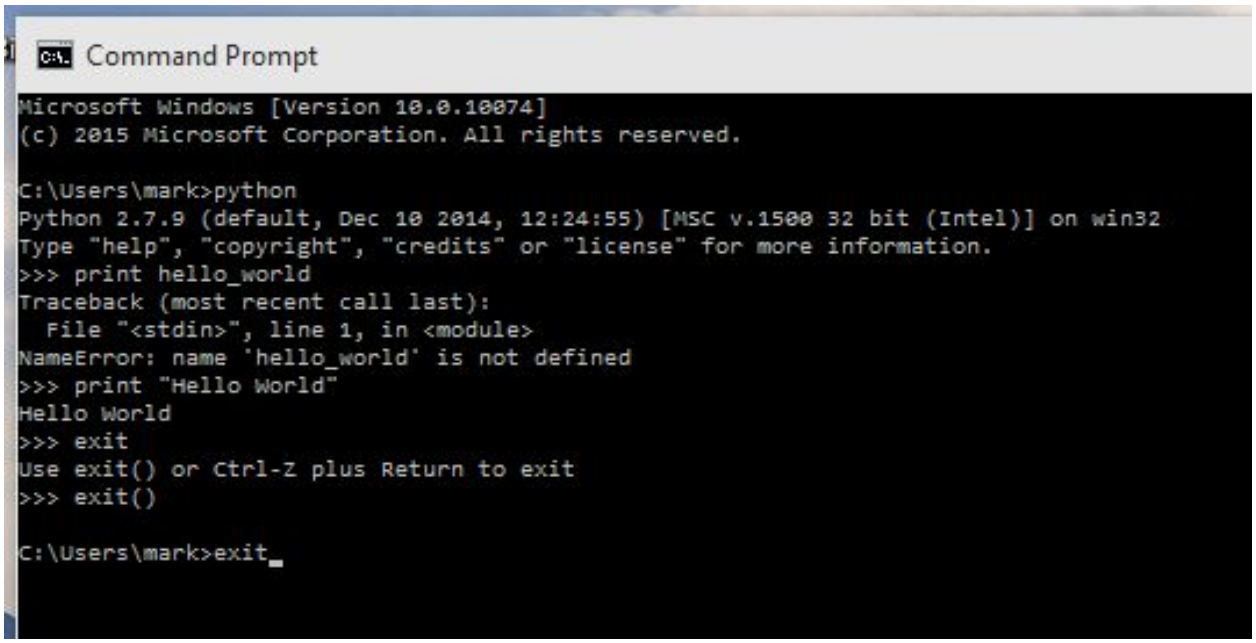
Now left click the start menu again and choose **Command Prompt** to load a new Command Prompt window.



Now enter **“python”** into the window and hit **Enter**.

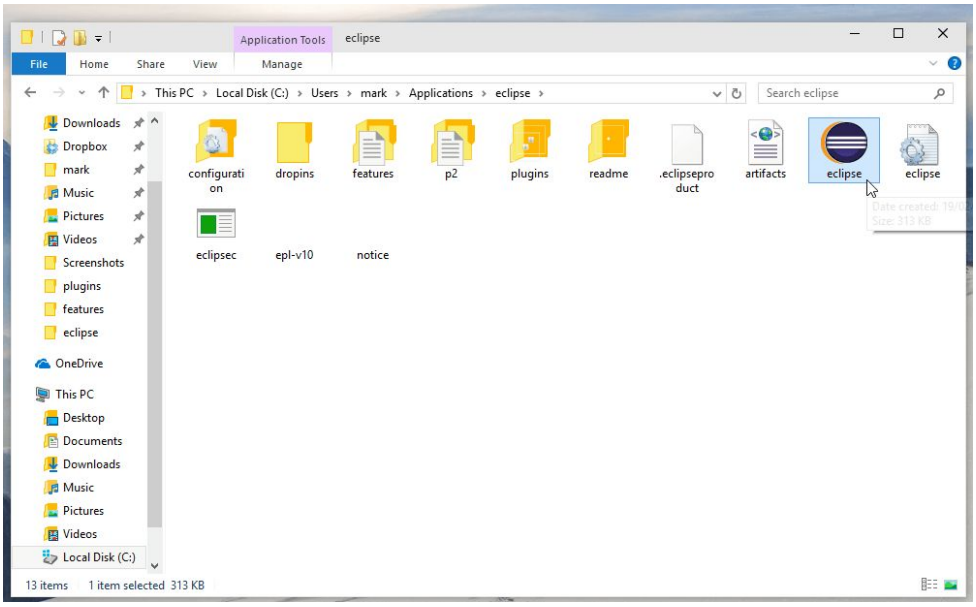


If you type **print “hello world”** it should output “Hello World” on the screen. Python has been successfully installed.



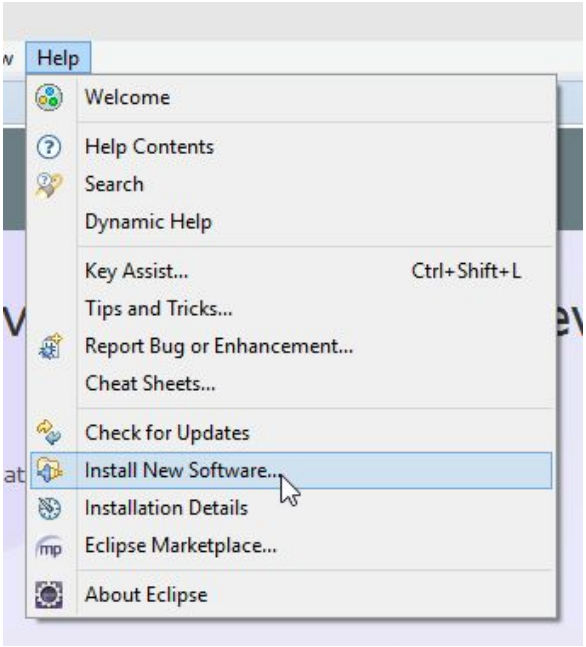
Install the Eclipse PyDev Plugin

Next we will install the Eclipse PyDev plugin. Launch Eclipse by **double clicking** on the eclipse executable.

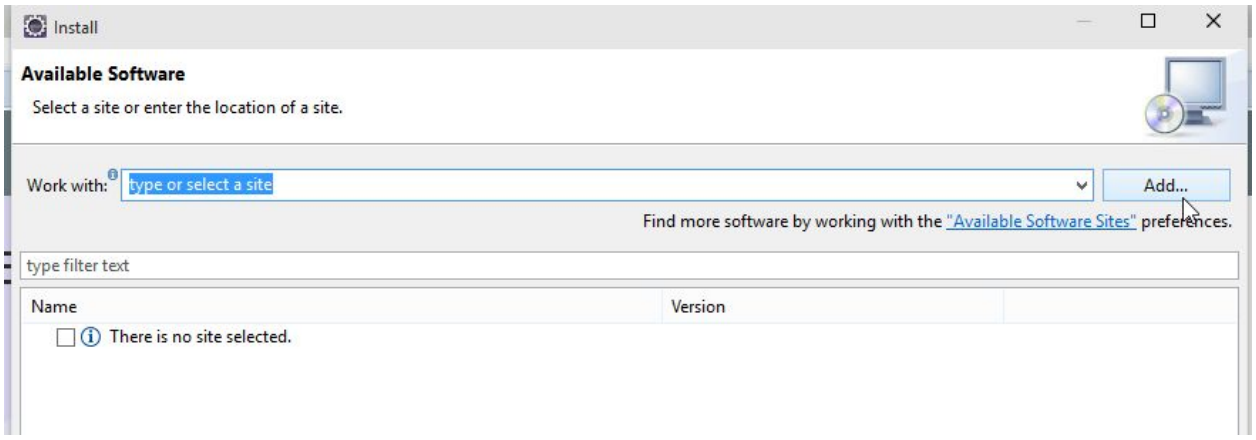


Eclipse will launch.

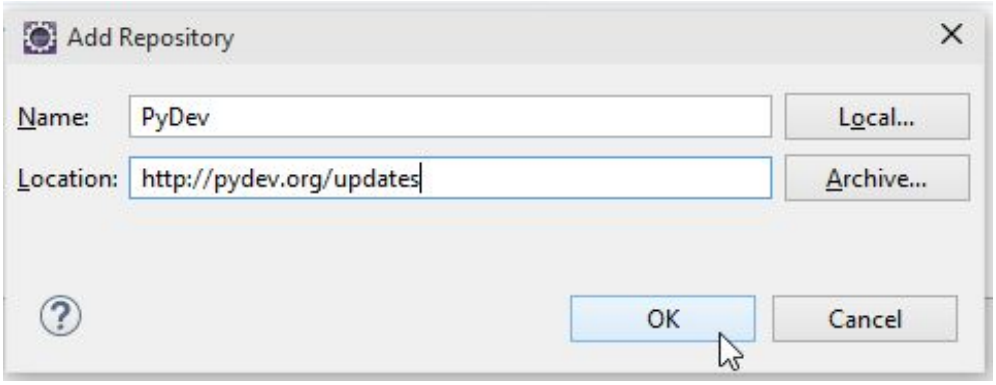
Once Eclipse loads, select **Help > Install New Software…**



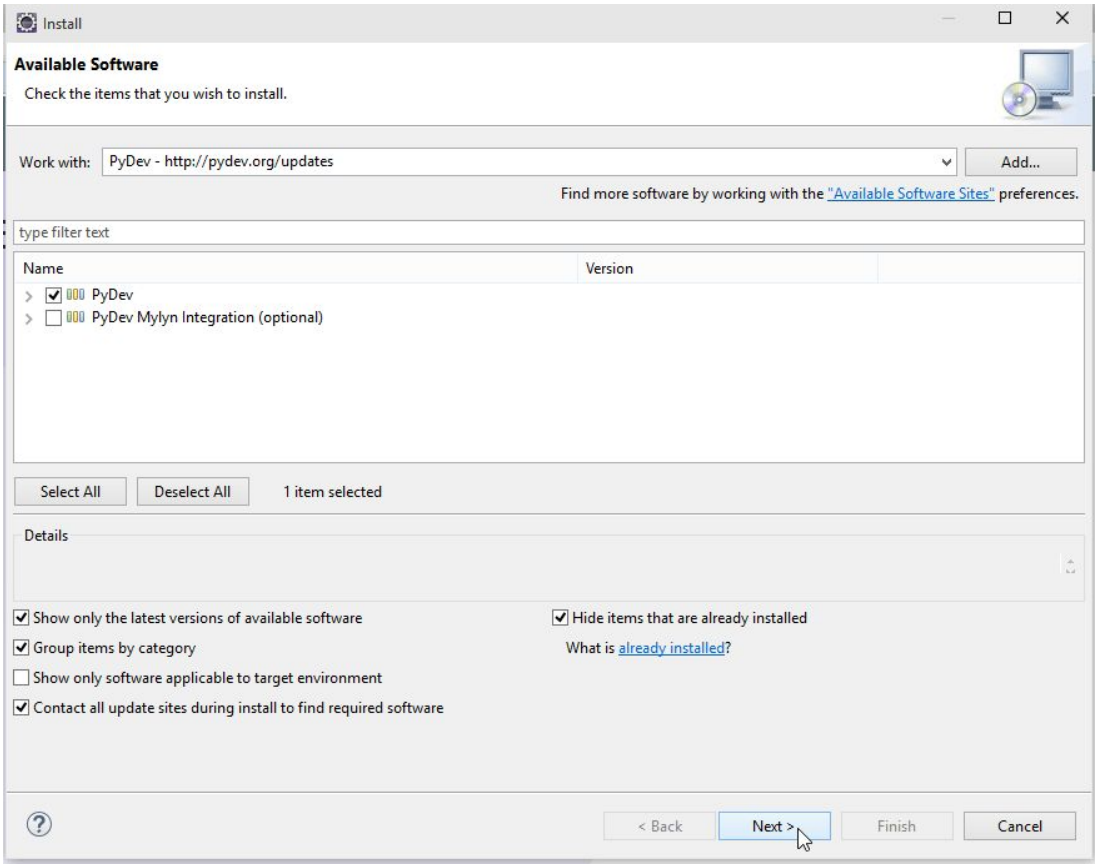
The *Install* menu will load. Next to the text box that says *type or select a site*, click on **Add…** to add a new repository.



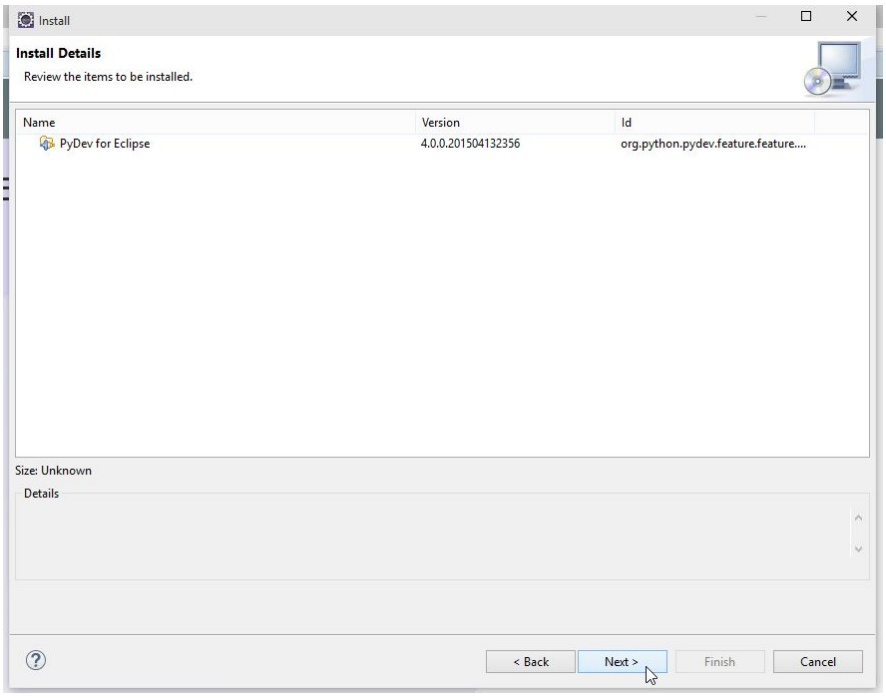
In the *Add Repository* window, type the name **PyDev**, and enter the location as **http://pydev.org/updates**. Then click **OK**.



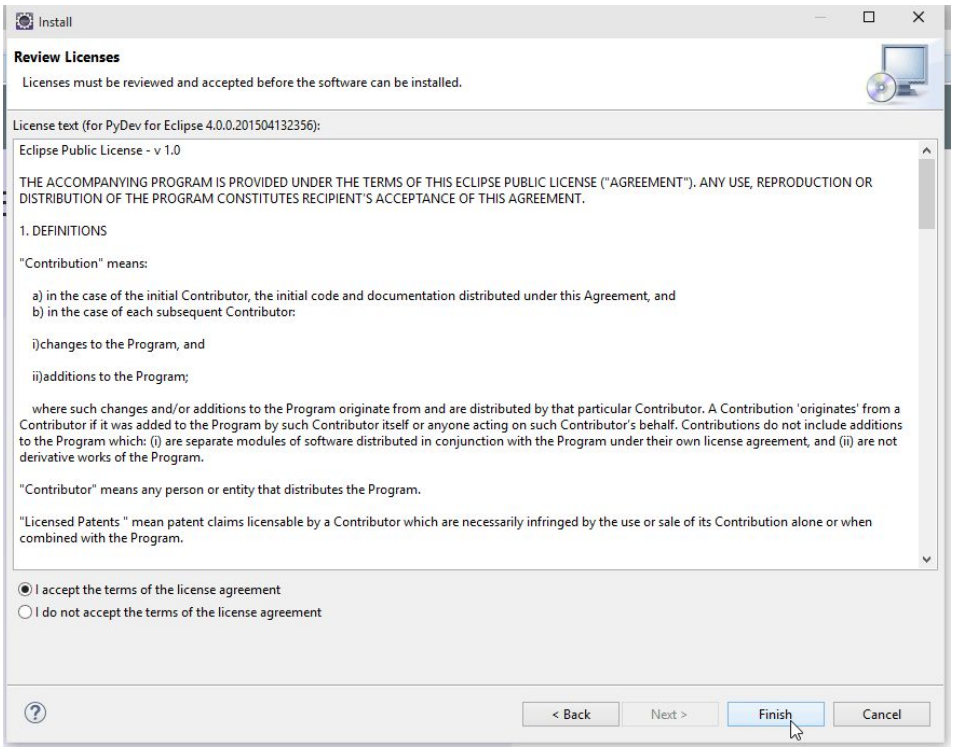
Now ensure that the **PyDev** repository is selected in the *Work with* menu. Check the box next to **PyDev** in the list and click **Next >**.



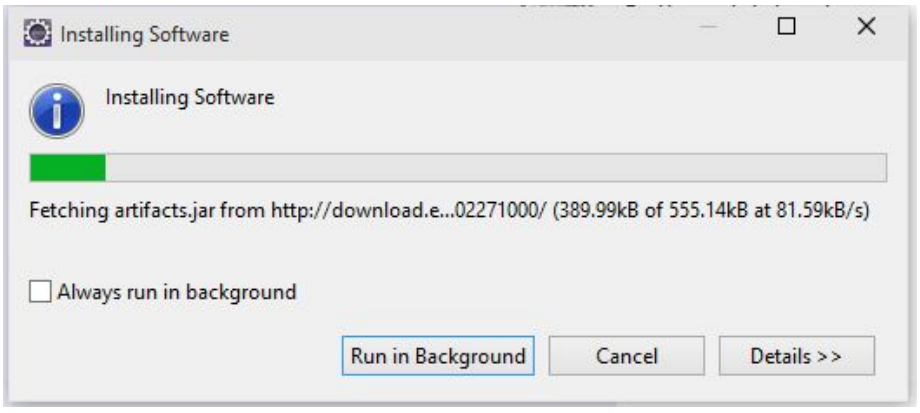
Review the *Install Details* screen and select **Next >**.



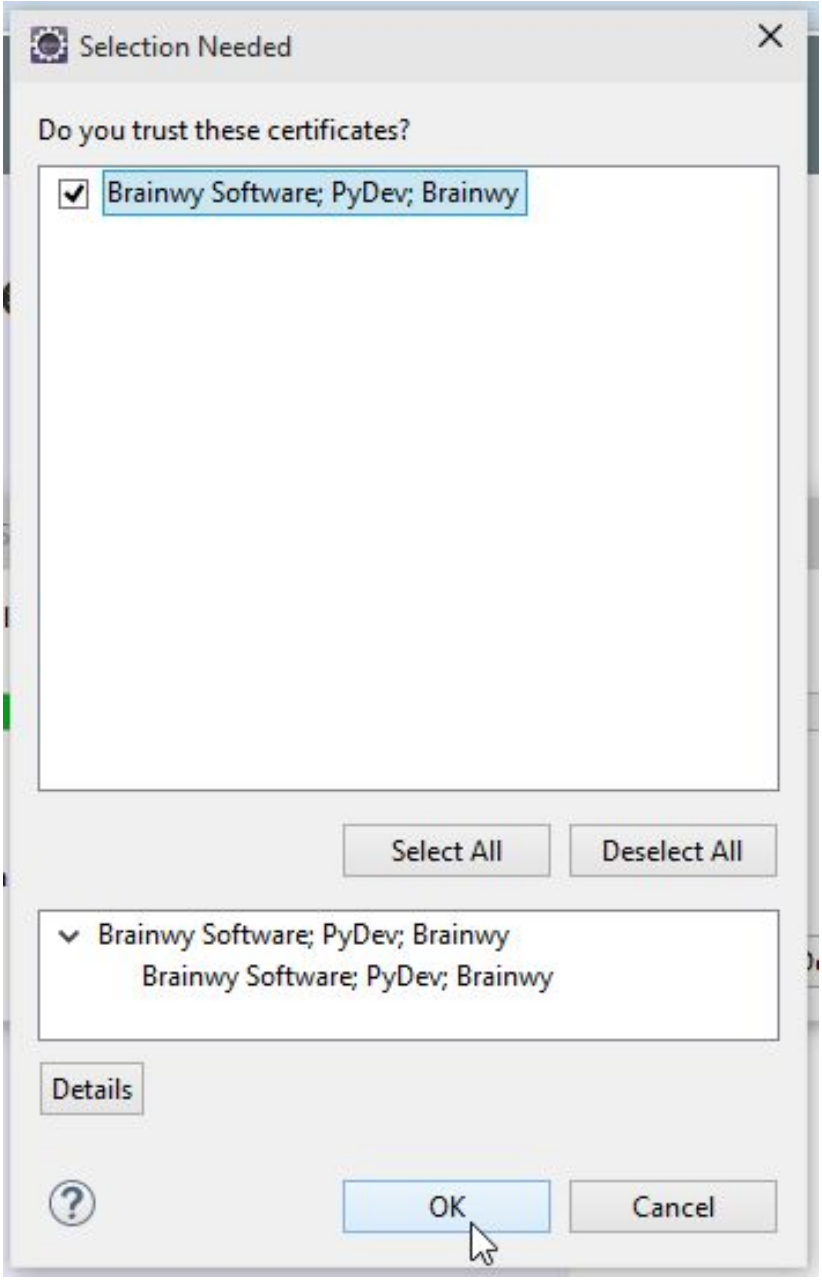
Have a fleet of lawyers review the license agreement and if they advise it's safe, select **I accept the license agreement**. Then click **Finish**.



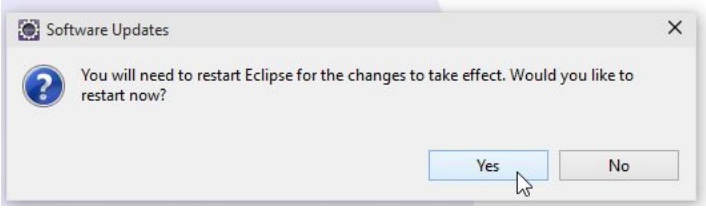
The *Installing Software* box will display the progress of the installation.



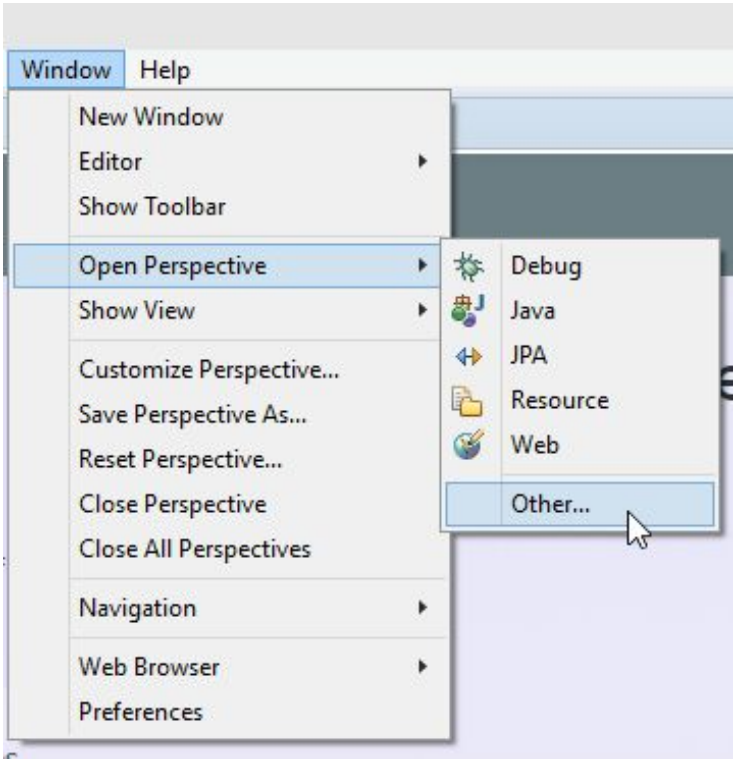
During the installation, you should be prompted if you trust the certificate. Check the box next to **Branwy Software; PyDev; Brainwy** and click **OK**.



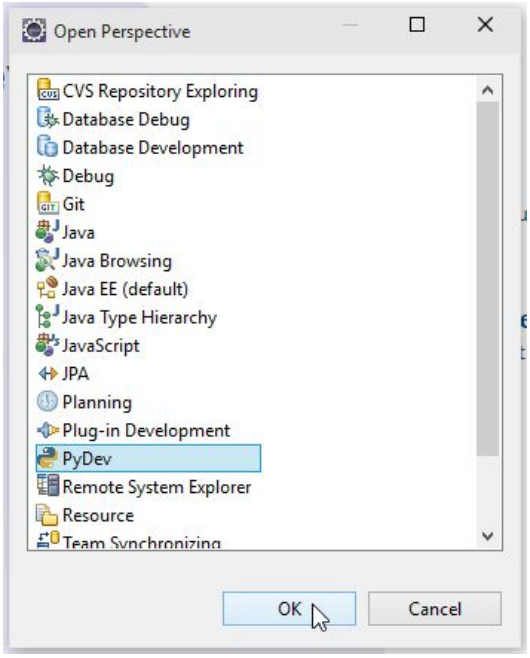
After the installation completes you will be prompted to restart eclipse. Choose **Yes**.



Once Eclipse restarts, click on **Window > Open Perspective > Other.**

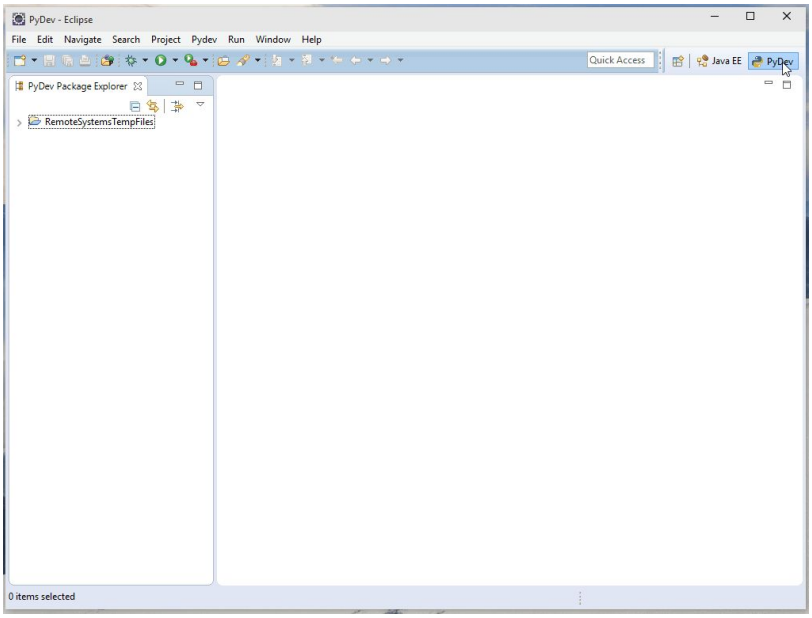


In the *Open Perspective* menu you should be able to find one called **PyDev**. Select it and click **OK** to open the PyDev perspective.



If the *Welcome* screen is still visible, you can close it by clicking the **X**.

PyDev is now installed and you can begin coding!



If you have any questions please drop me a line at hello@londonappdeveloper.com

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