Installation of macports gcc and gfortran

1. go to the link http://www.macports.org/install.php

2. After considering your specific laptop, download it. It has a walkthrough that comes with the package . (you'll an administrator password to complete it).
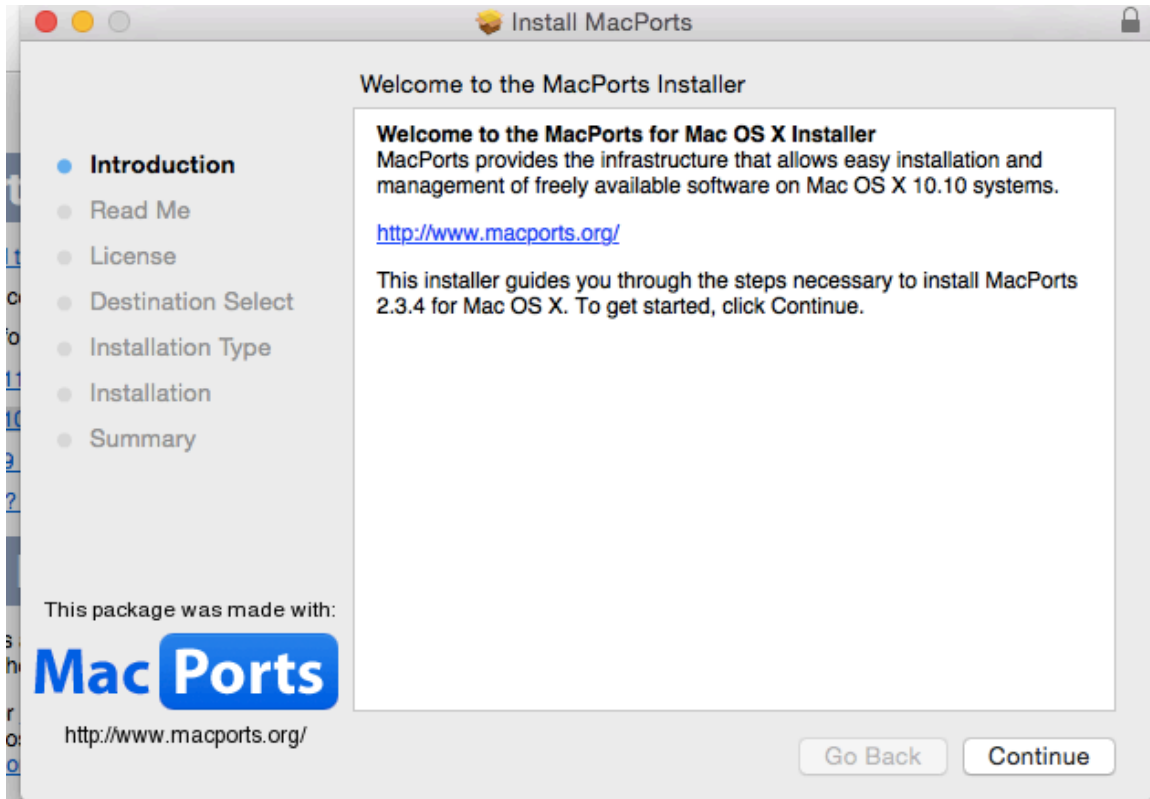
3. Download and install **Xcode** at the **AppStore** by searching *xcode* at the top right-hand corner.
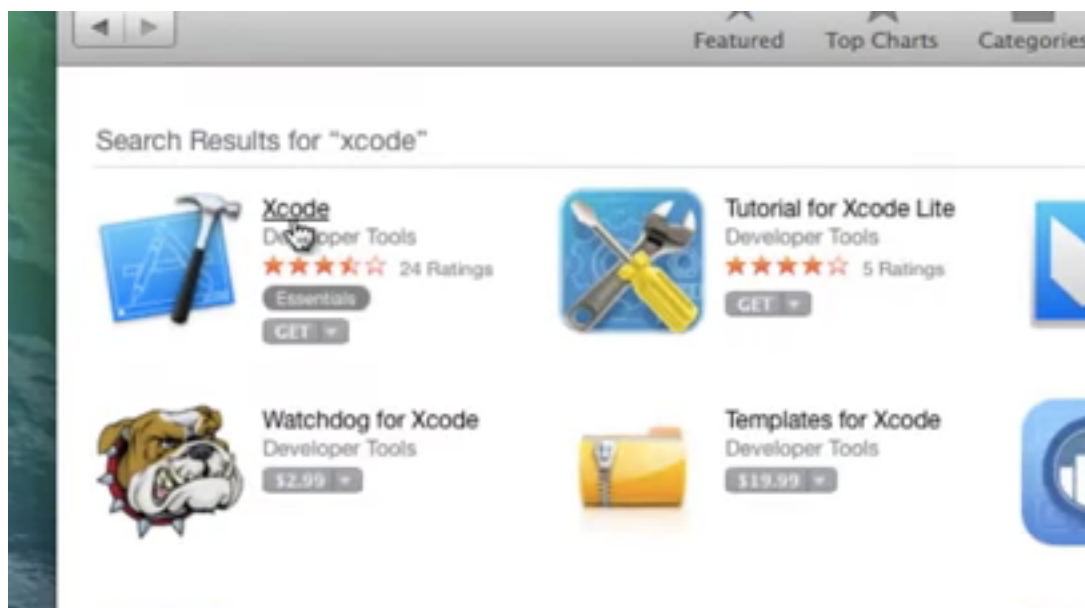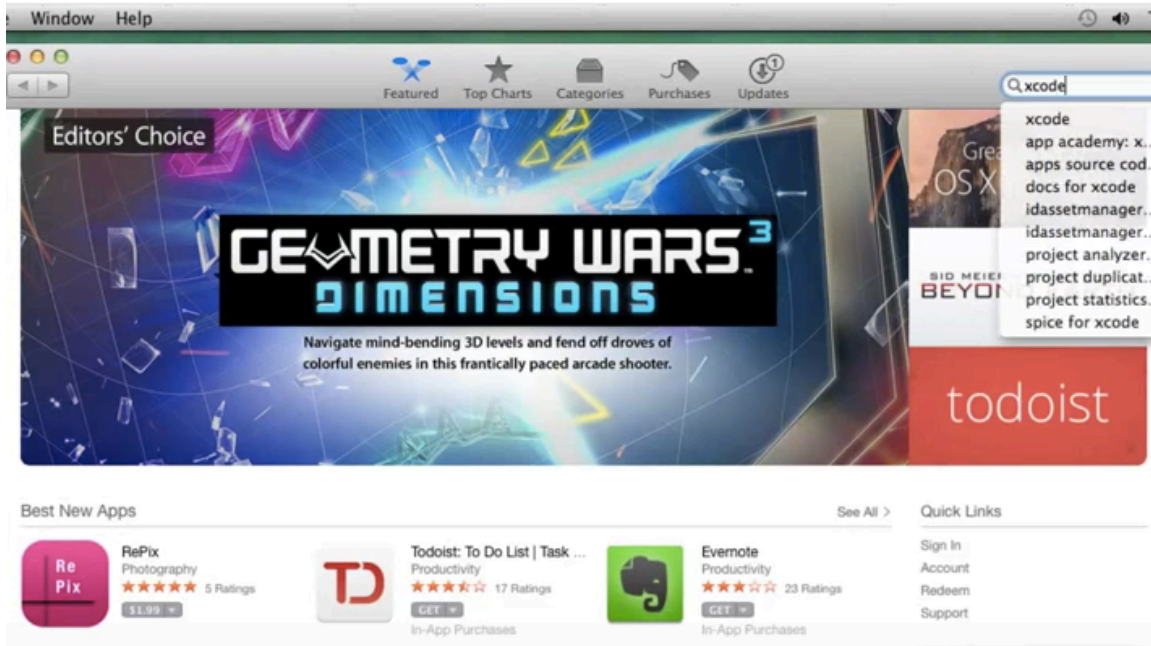
4. Download it (You'll need an **Apple ID** in order to download Xcode)

5. It is a big download of 4.5GB. It'll take a while...

6. After it finished downloading begin installation. That can also take a while...

7. Now that is's finished, you need to start **XCode** to allow it to install additional components. (you'll administrator password to complete it).

8. Once it is open, the additional components have been installed and you can close it.
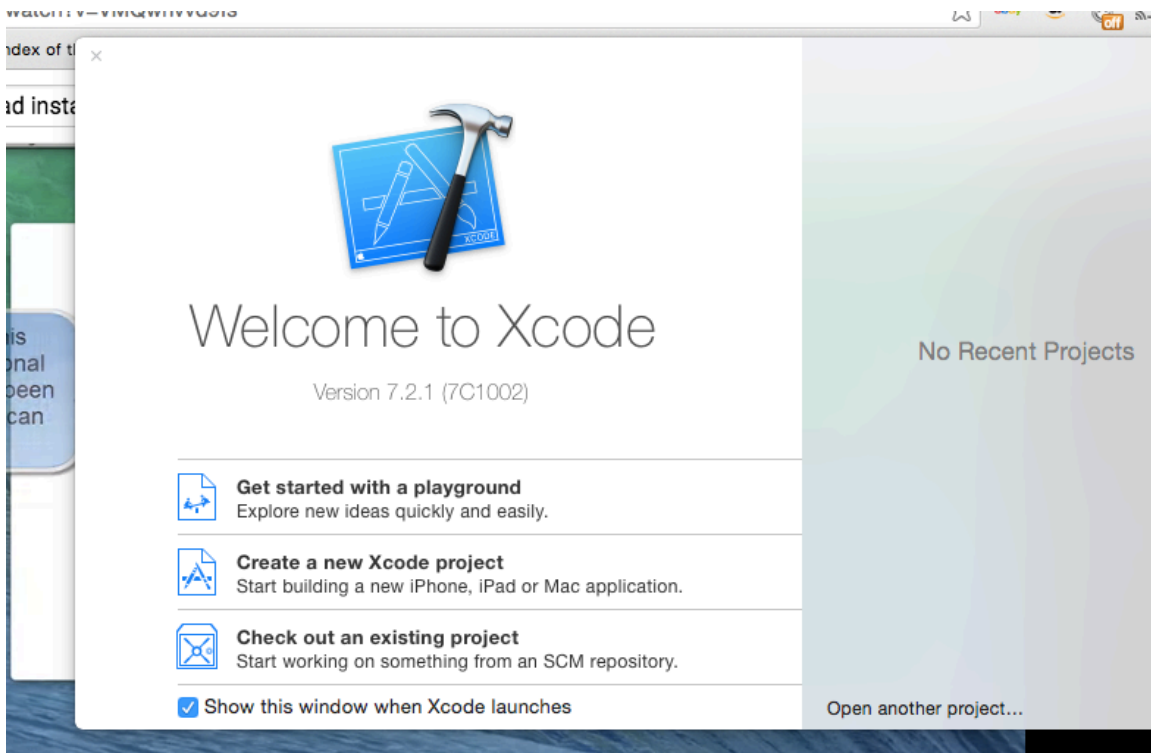
9. Now you need install the **Command Line Tools**. Open your terminal and type
xcode-select – install

10. The following window will open. Click install .
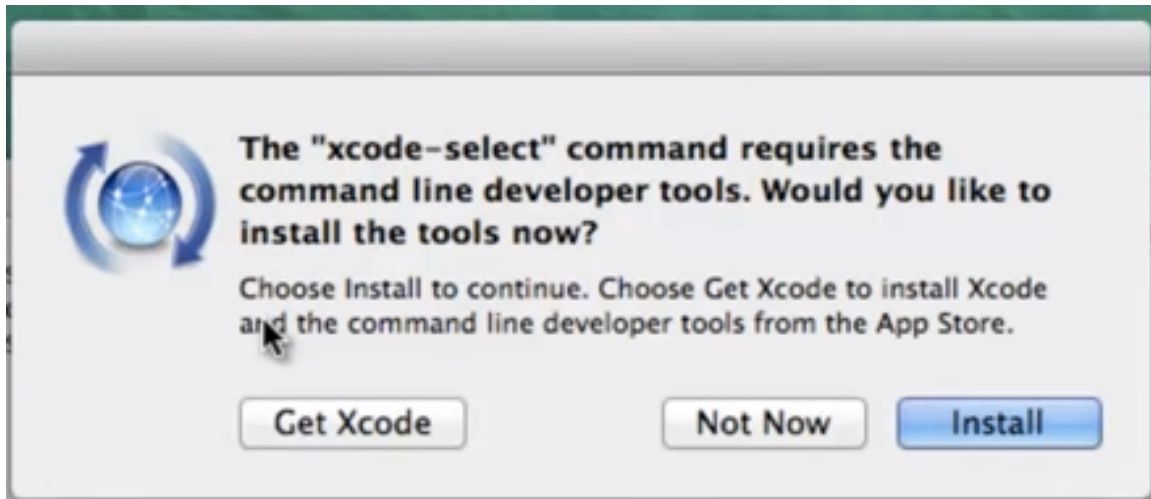
11. After you have successfully installed the **command line tools**, open your terminal and type *which gcc*
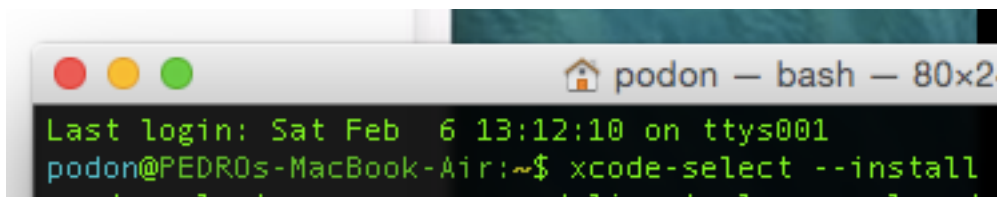

12. The command should return the path /usr/local/bin or /usr/local/gcc. All of this should have been taken care of automatically.

13. Now, download gfortran from the link
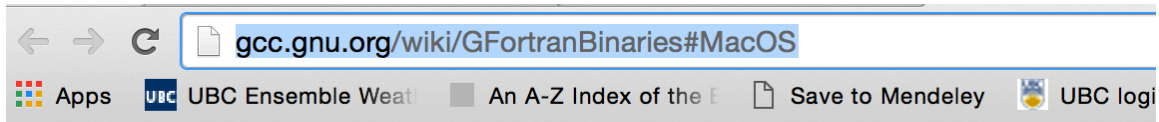http://gcc.gnu.org/wiki/GFortranBinaries#MacOS

MacOS

The gfortran maintainers offer nice Apple-style installers for:

- OS X El Capitan (10.11): ⊕ download gfortran 5.2
- OS X Yosemite (10.10): ⊕ download gfortran 5.2 or ⊕ gfortran 4.9.2
- OS X Mavericks (10.9): ⊕ download gfortran 4.9.0 or ⊕ gfortran 4.8.2
- OS X Mountain Lion (10.8): ⊕ download gfortran 4.8.2
- OS X Lion (10.7): ⊕ download gfortran 4.8.2

Detailed instructions can be found here.

14. After considering your specific laptop, download it. It has a walkthrough that comes with the package. *Double-click* on the folder than *double-click* on the package.
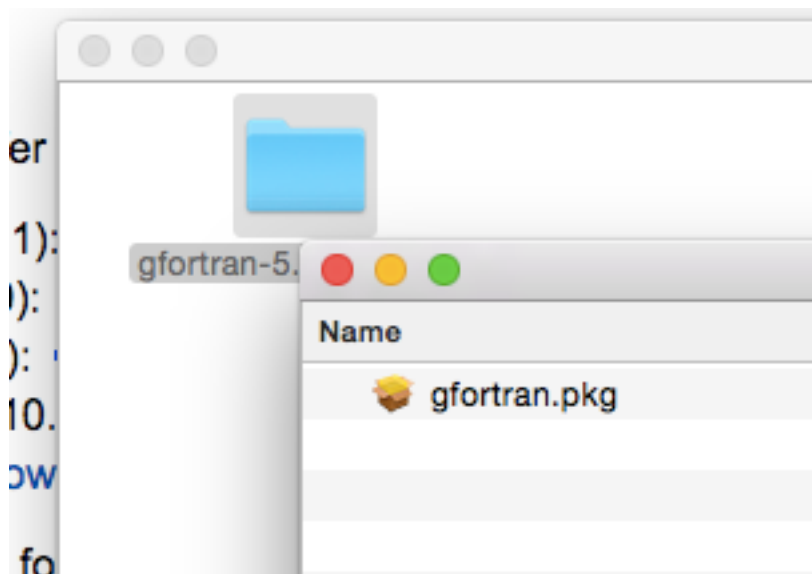
15. If you get the following message, go to *System Preferences*, *Security & Privacy* and *Open it Anyway*.
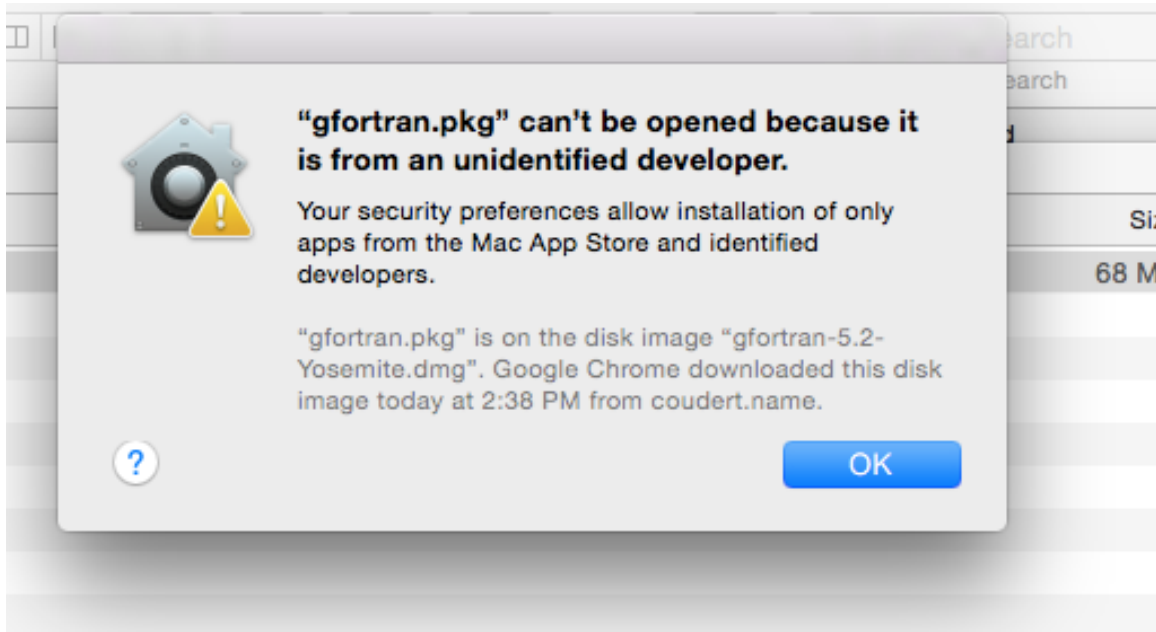
16. **gfortran** also has a walkthrough that comes with the package. You'll need again and administrator password
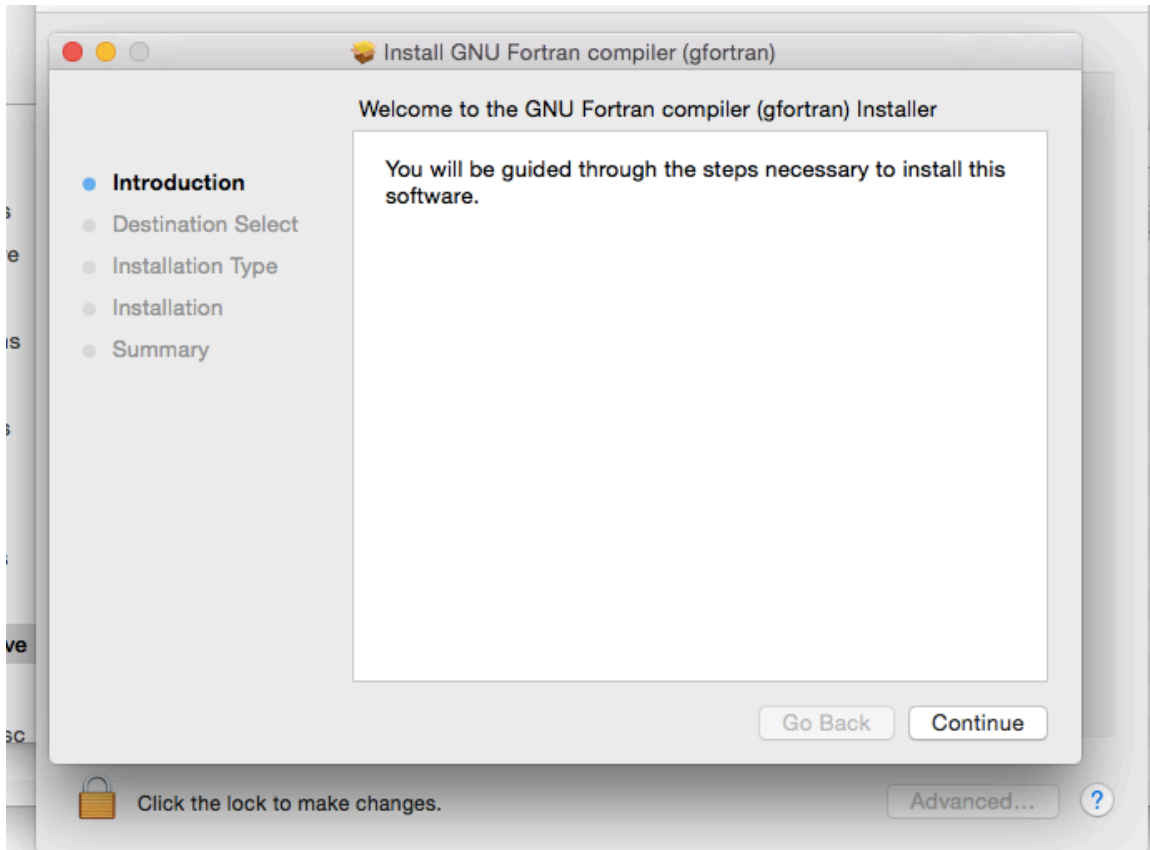
17. After you have successfully installed the **gfortran**, open your terminal and type *which gfortran* and it should be successfully installed in /usr/local/bin