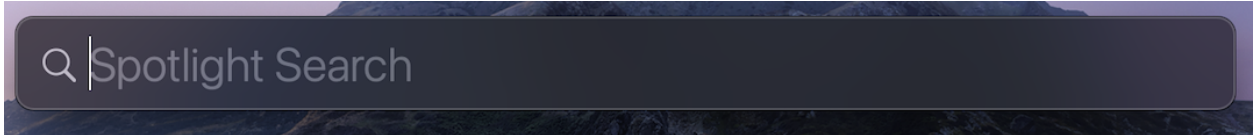


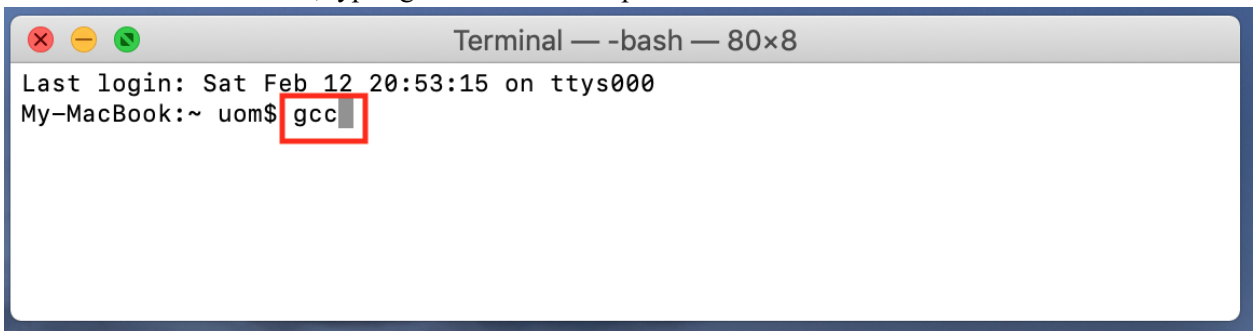
School of Computing and Information Systems  
The University of Melbourne

## GCC Installation on MacOS

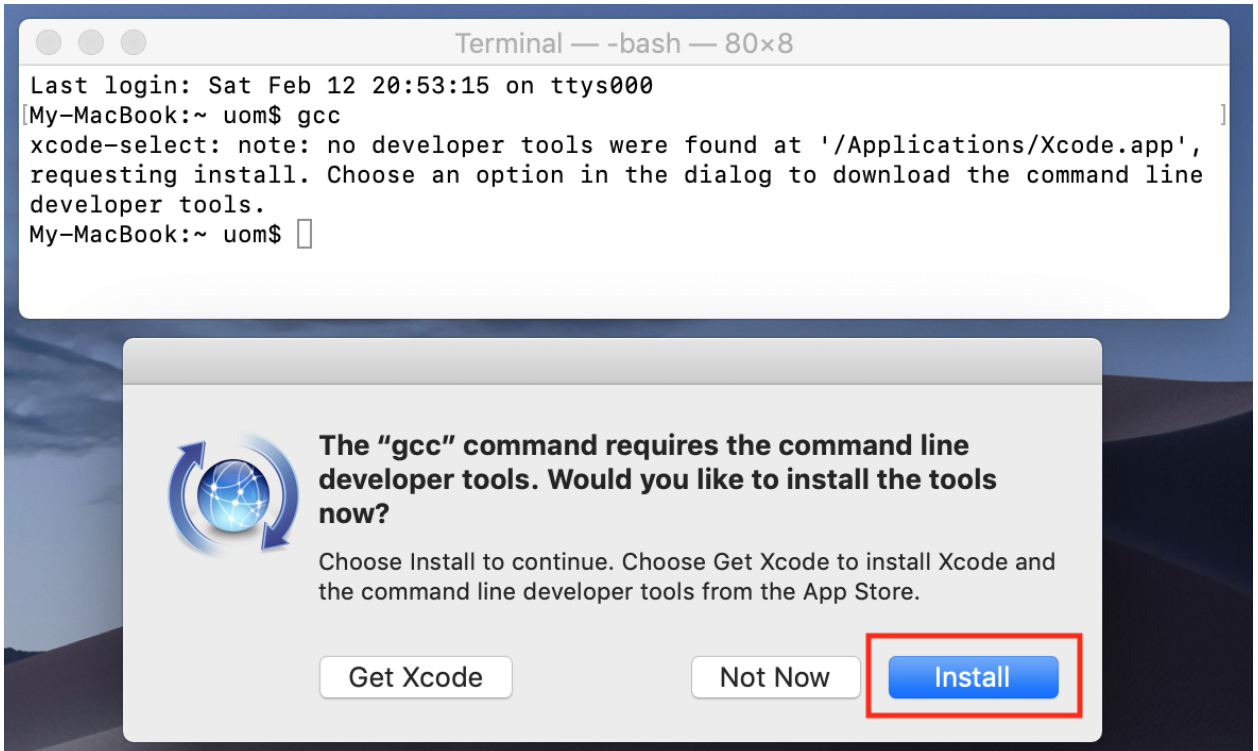
1. Open Terminal - Press “command + Space Bar” to open Spotlight and then type “Terminal”.  
Alternatively, you can go to your “Applications” folder, then to “Utilities” and open “Terminal” from there.



2. In the “Terminal” window, type “gcc” as below and press “return”



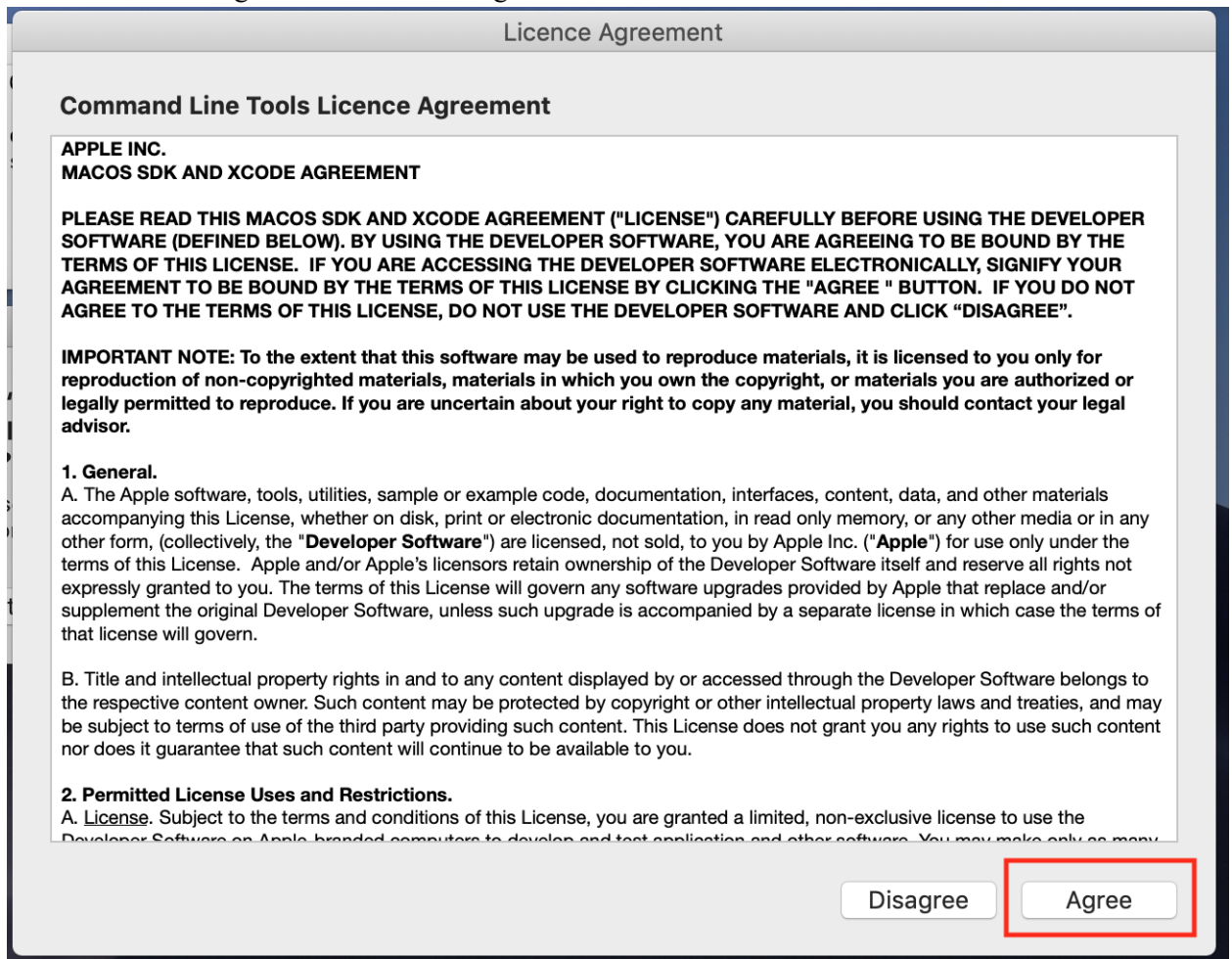
3. You will be prompted to install “Xcode”. Press “Install”.



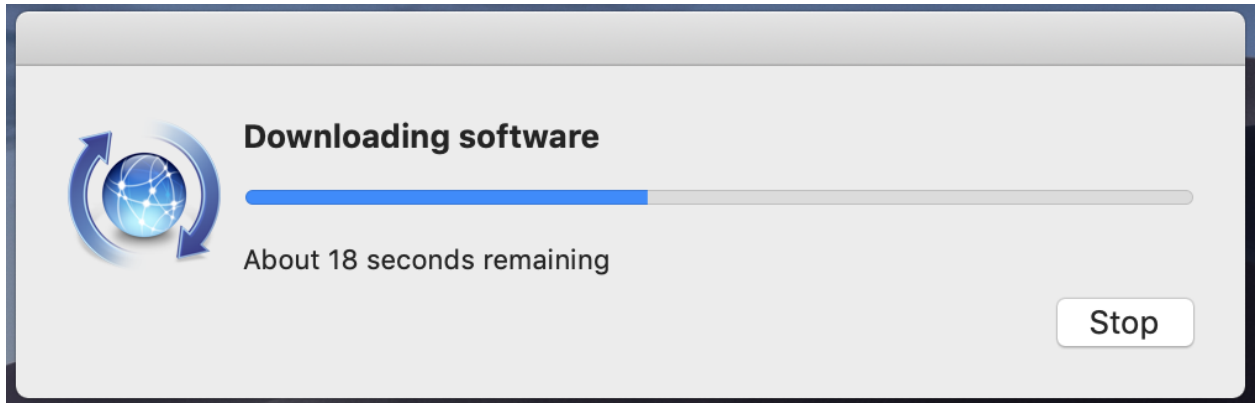
Note, if you see an error message as below, you already have GCC installed and can skip to installing VSCode. You can clarify this by typing “gcc --version” to see the version of gcc you have installed.

```
Terminal — -bash — 80x8
Last login: Sat Feb 12 20:53:15 on ttys000
My-MacBook:~ uom$ gcc
xcode-select: note: no developer tools were found at '/Applications/Xcode.app',
requesting install. Choose an option in the dialog to download the command line
developer tools.
My-MacBook:~ uom$ gcc
clang: error: no input files
My-MacBook:~ uom$
```

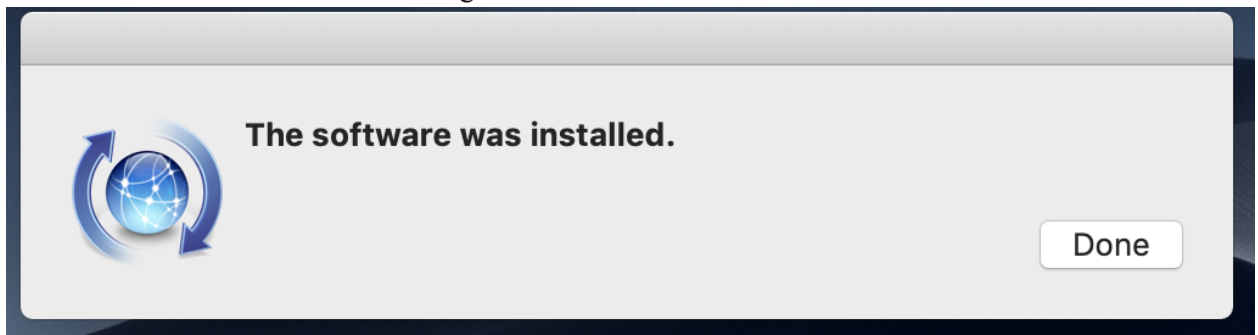
4. Read the Licence Agreement and click “Agree” to install.



5. The Xcode will download and install, do not click stop.



6. You will receive a confirmation message.

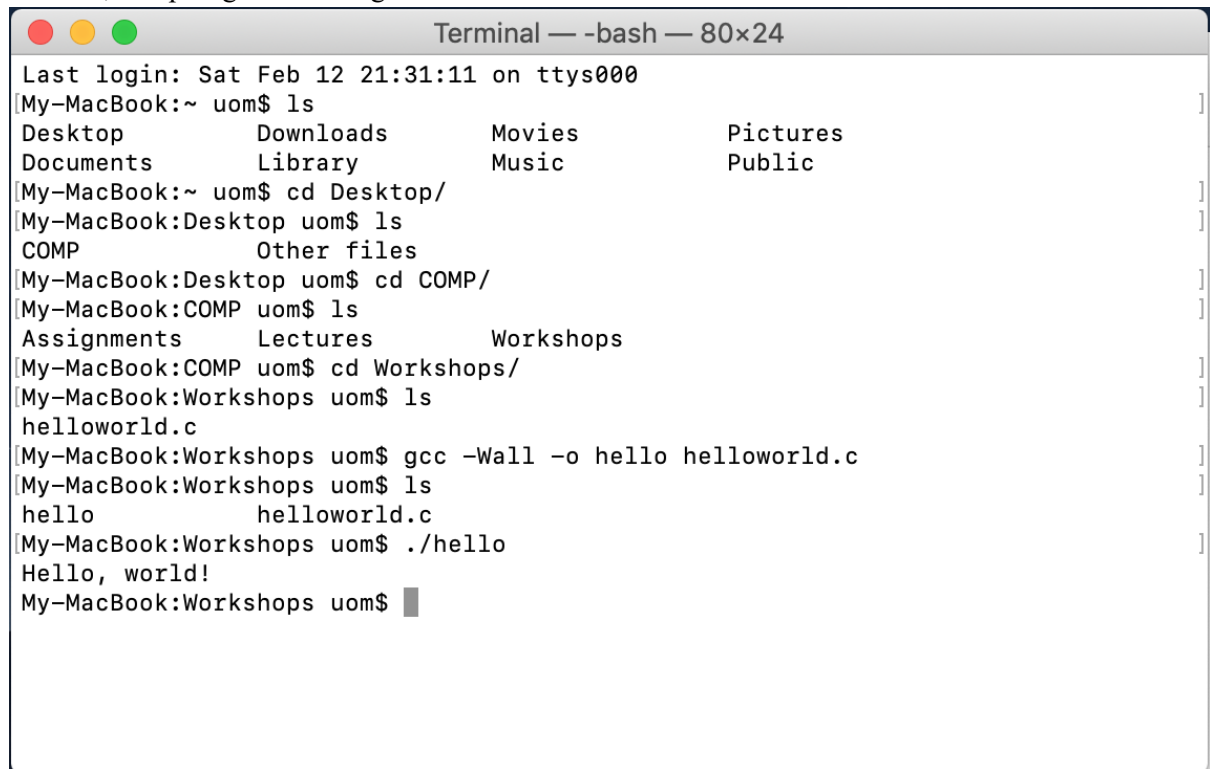


7. You will now be able to compile programs, when you type “gcc” and press “return” in the Terminal window, your computer will look for input files to compile and you will receive an error message. You can clarify this by typing “gcc --version” to see the version of gcc you have installed.

```
Terminal — -bash — 80x8
Last login: Sat Feb 12 20:53:15 on ttys000
My-MacBook:~ uom$ gcc
xcode-select: note: no developer tools were found at '/Applications/Xcode.app',
requesting install. Choose an option in the dialog to download the command line
developer tools.
My-MacBook:~ uom$ gcc
clang: error: no input files
My-MacBook:~ uom$
```

8. Proceed to the VSCode installation and setup. You will now be able to compile the code you write.

Note, once you have written C code in VSCode, you can also open Terminal and navigate to its location, compiling and running in the Terminal window as below.



```
Terminal — -bash — 80x24
Last login: Sat Feb 12 21:31:11 on ttys000
[My-MacBook:~ uom$ ls
Desktop          Downloads        Movies           Pictures
Documents        Library          Music            Public
[My-MacBook:~ uom$ cd Desktop/
[My-MacBook:Desktop uom$ ls
COMP             Other files
[My-MacBook:Desktop uom$ cd COMP/
[My-MacBook:COMP uom$ ls
Assignments      Lectures         Workshops
[My-MacBook:COMP uom$ cd Workshops/
[My-MacBook:Workshops uom$ ls
helloworld.c
[My-MacBook:Workshops uom$ gcc -Wall -o hello helloworld.c
[My-MacBook:Workshops uom$ ls
hello            helloworld.c
[My-MacBook:Workshops uom$ ./hello
Hello, world!
[My-MacBook:Workshops uom$
```