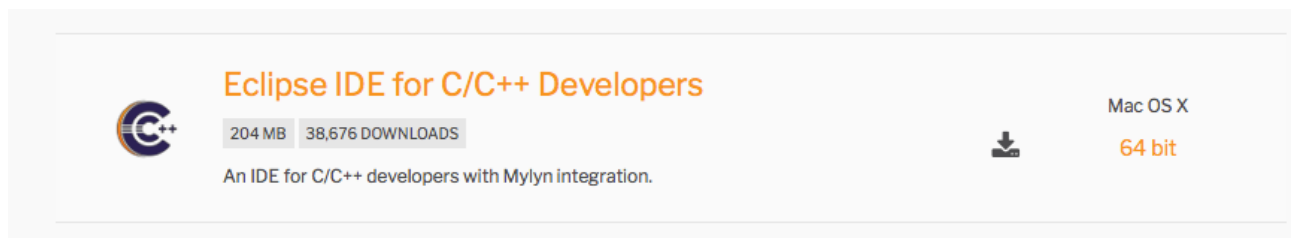
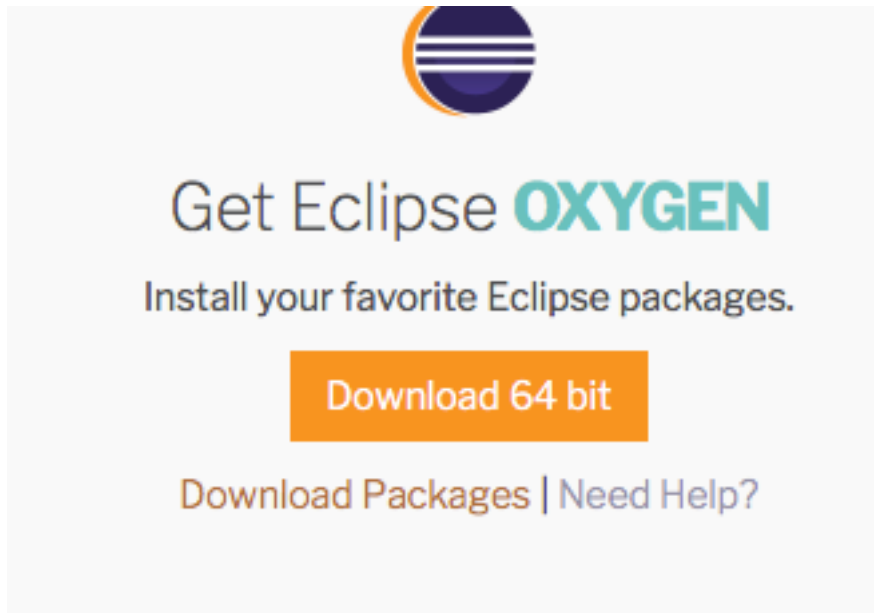


TOOLCHAIN INSTALLATION INSTRUCTIONS FOR MAC OS

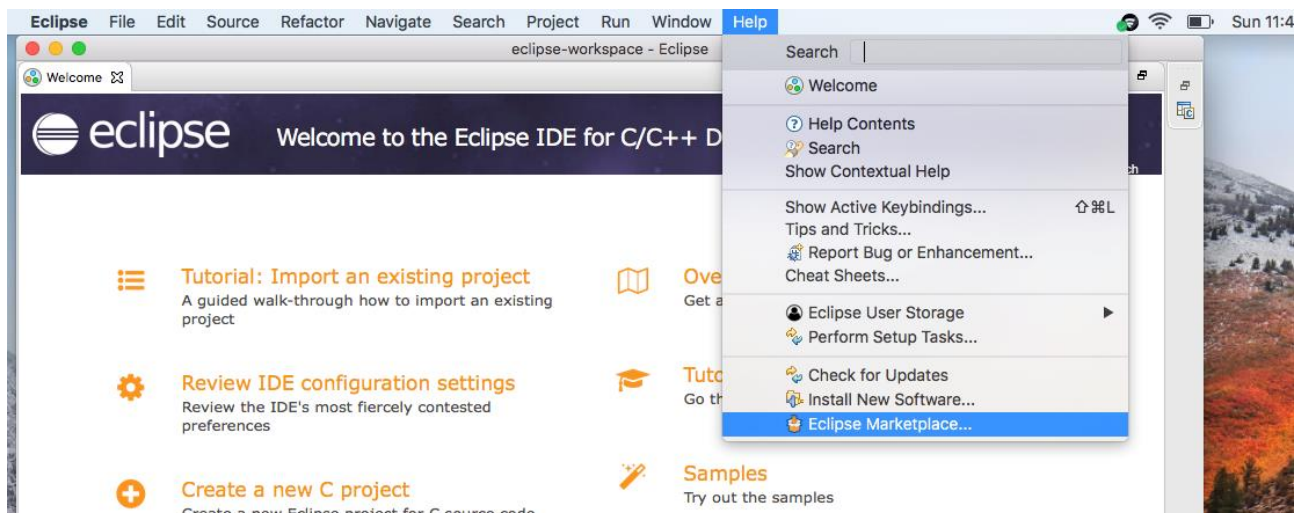
For students of the Foundations of ARM course

Written by Adrian Forschner
On behalf of MakerMax Inc.

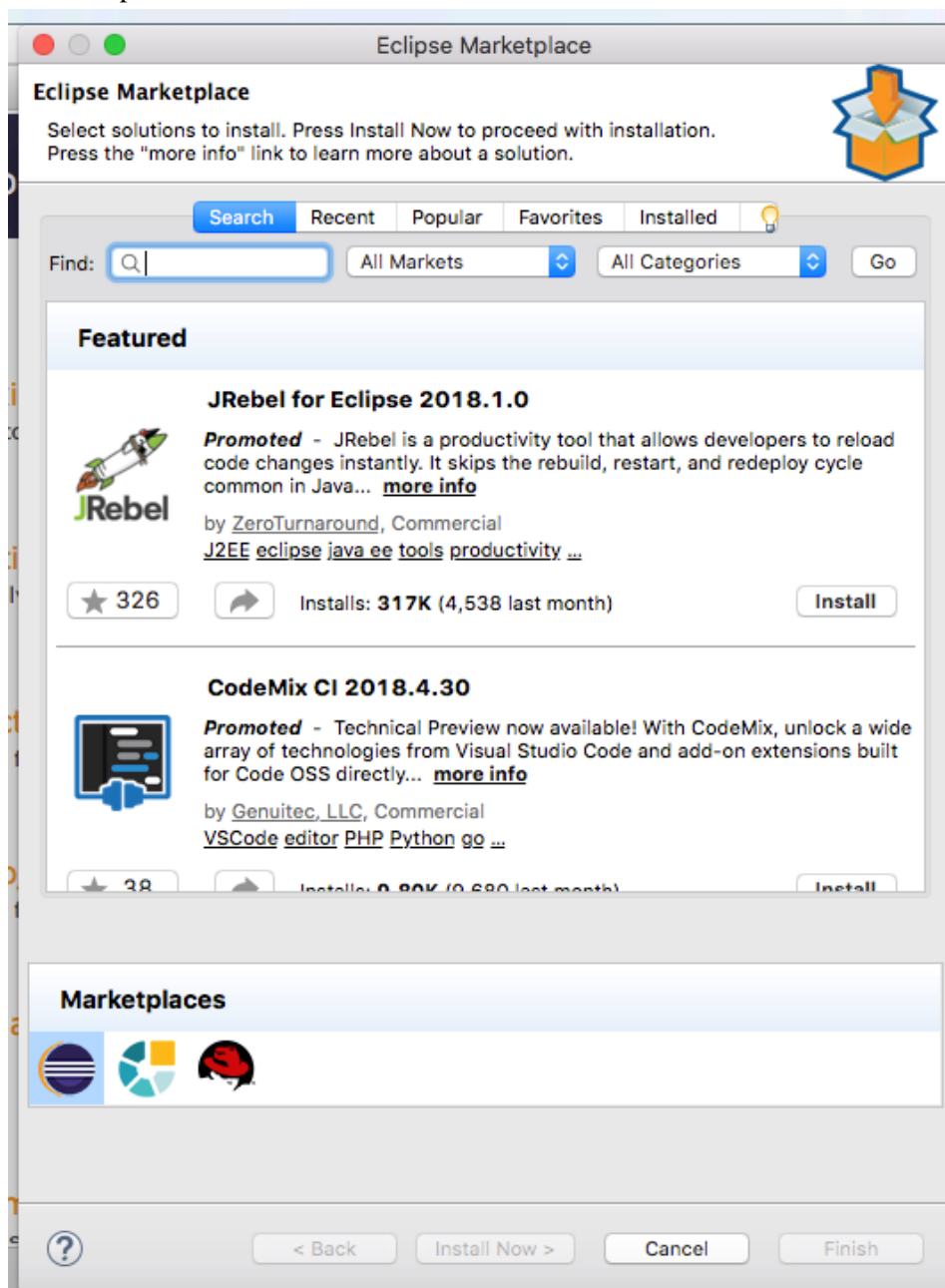
1) Download Eclipse (i prefer to download the CBT version) you can do that under Download Packages



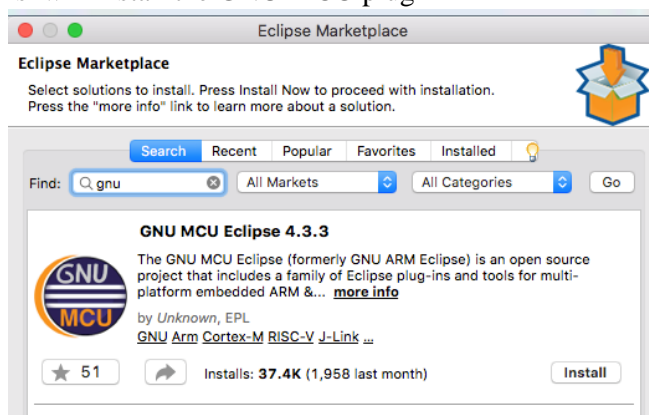
2) Install eclipse and go to Help -> marketplace



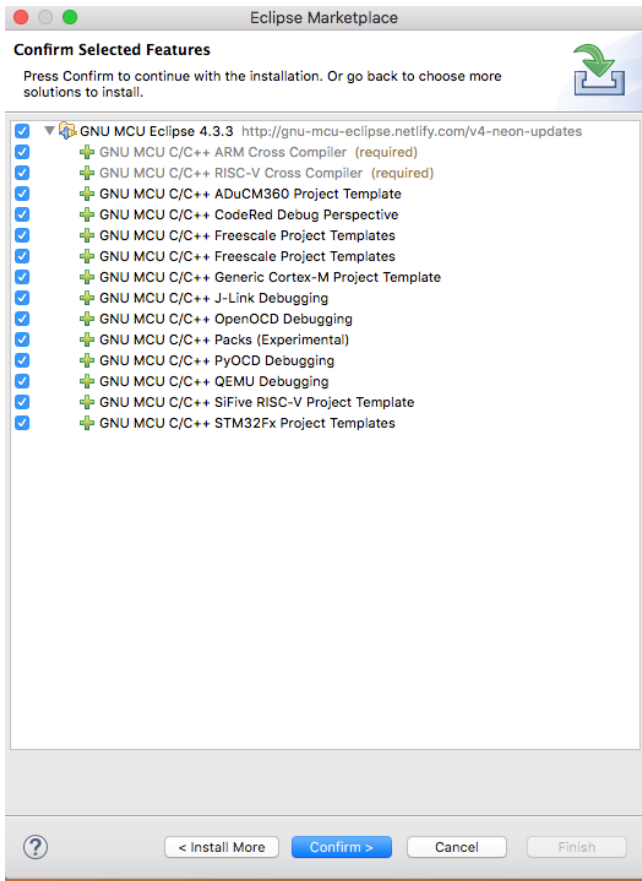
3) In marketplace search for GNU MCU



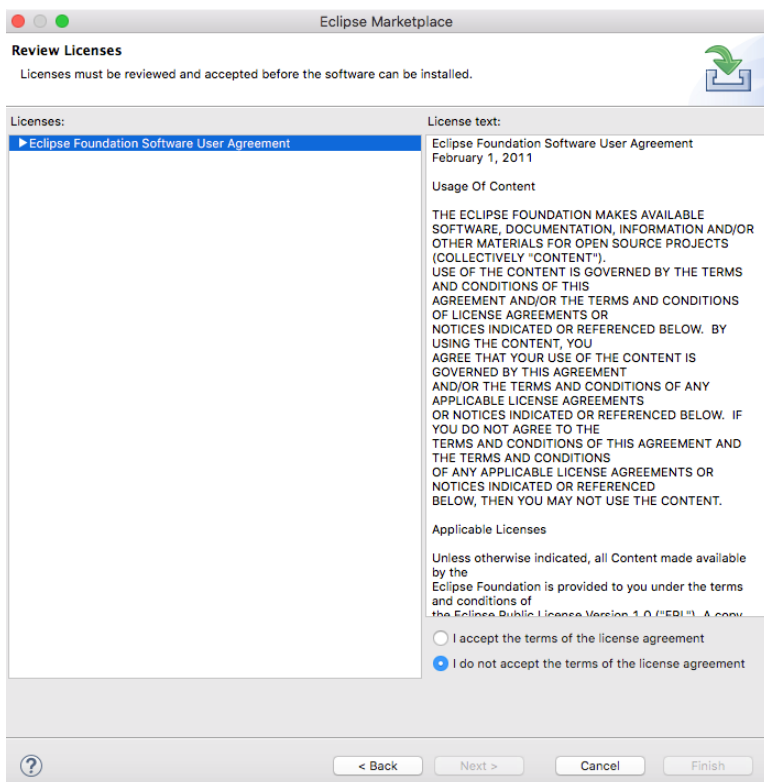
This will install the GNU MCU plug in

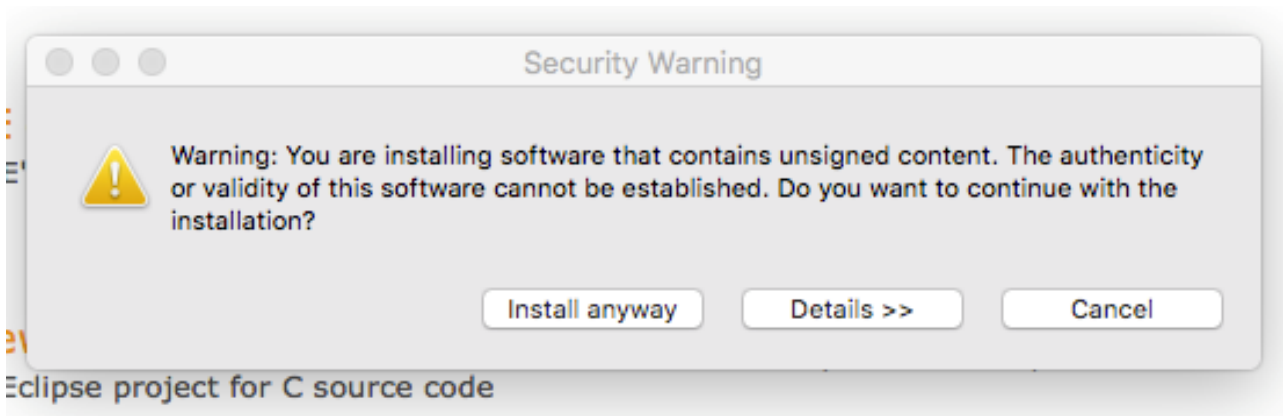


4) Check all the plugins you like to install:

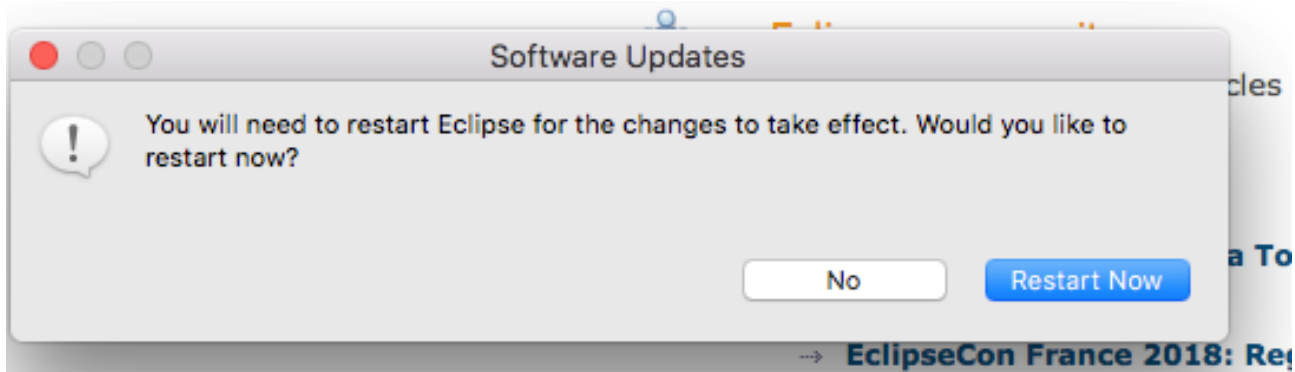


5) Accept the license terms





6) Choose install anyway and then restart eclipse



3) Go to the Github page of the gnu eclipse mcc plugins (<https://github.com/gnu-mcu-eclipse>)

from here you need to download opened and the toolchain

the toolchain is at <https://github.com/gnu-mcu-eclipse/arm-none-eabi-gcc>

and you need to choose

[gnu-mcu-eclipse-arm-none-eabi-gcc-7.2.1-1.1-20180401-0515-osx.tgz](#)

for opened you go to <https://github.com/gnu-mcu-eclipse/openocd/releases>

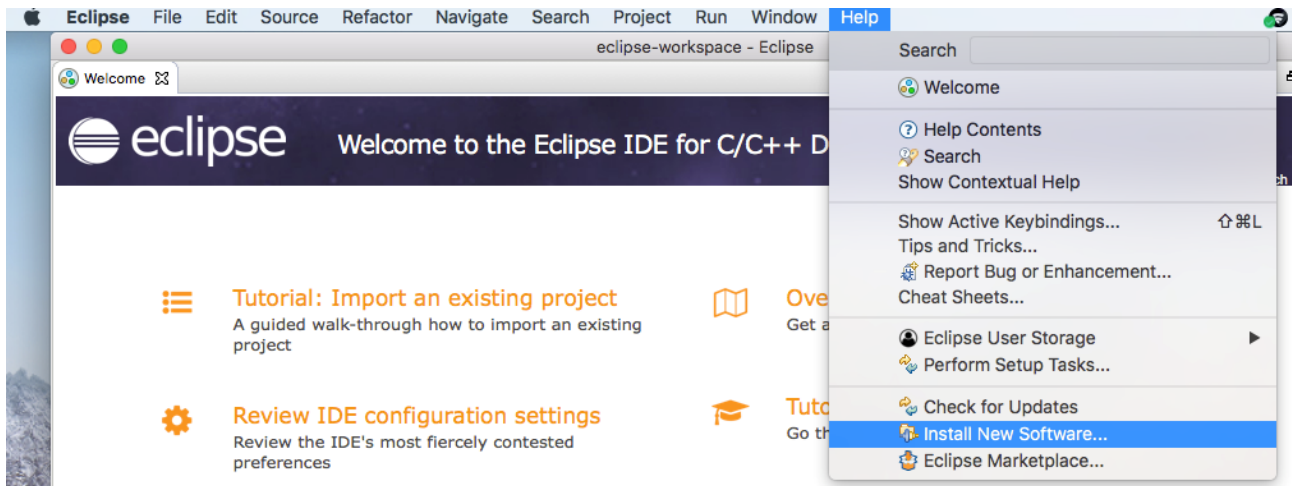
[gnu-mcu-eclipse/openocd](#)

and you choose:

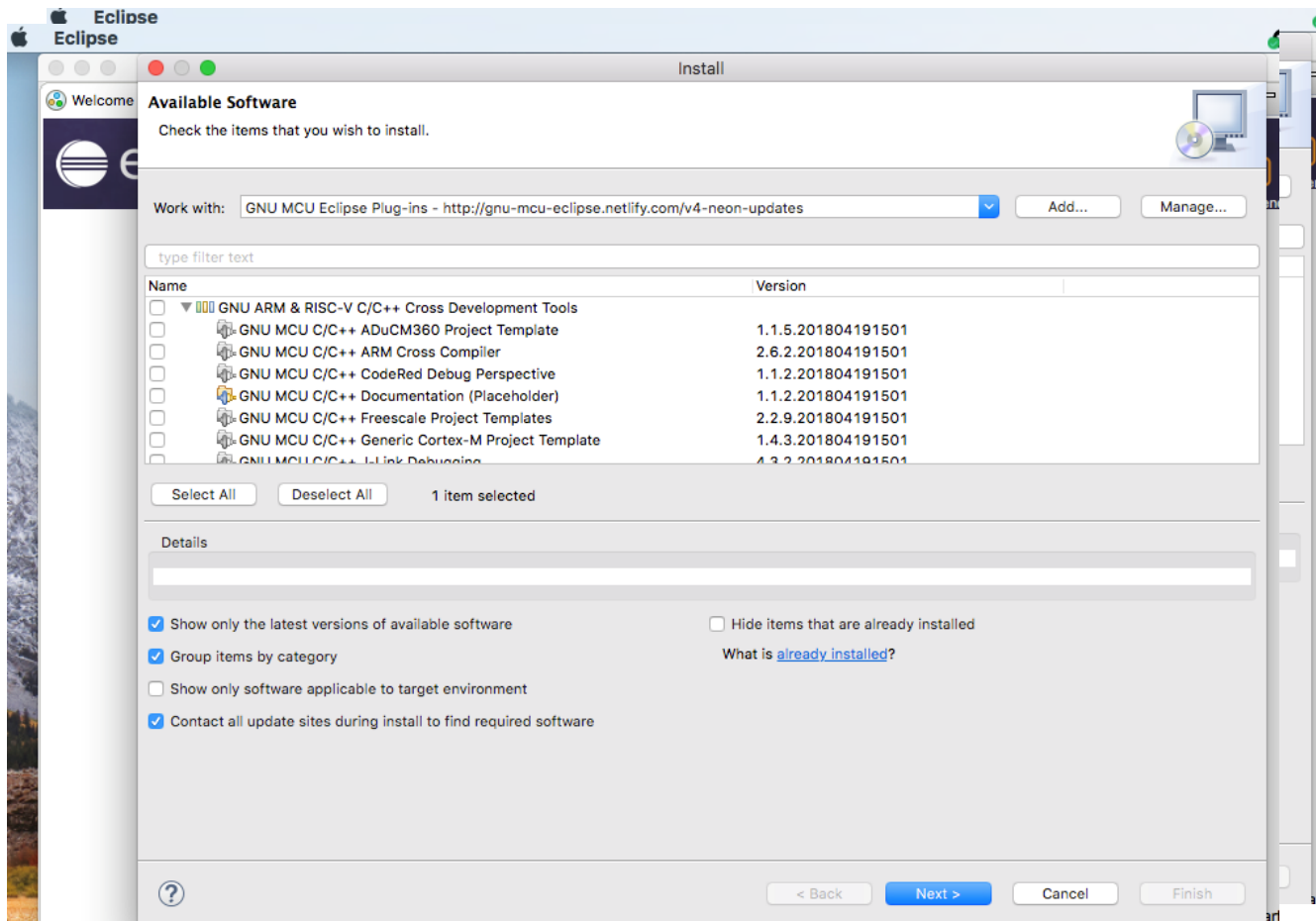
[gnu-mcu-eclipse-openocd-0.10.0-7-20180123-1217-osx.tgz](#)

7) Unpack the downloaded archives in a folder of your choosing.

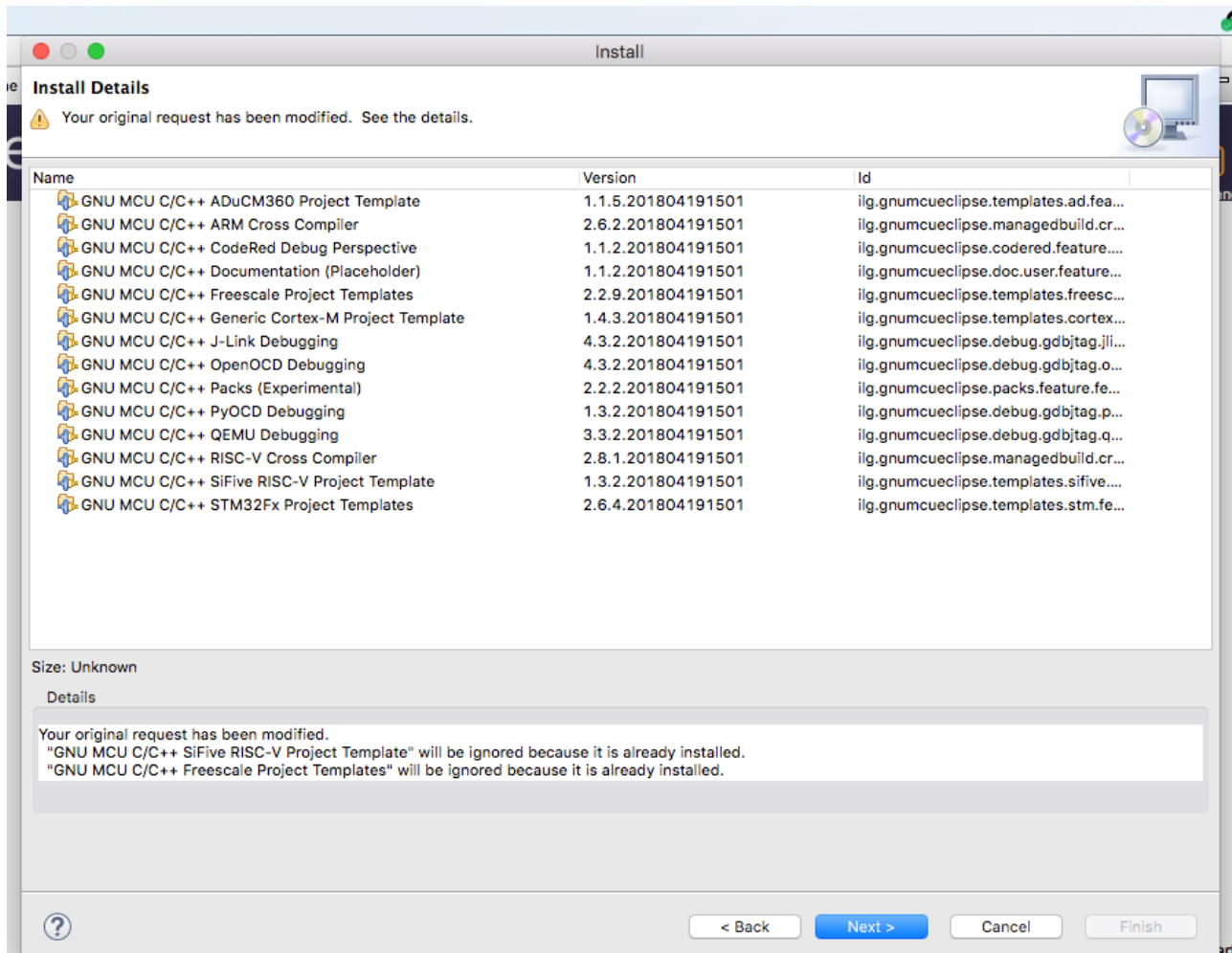
8) Reopen eclipse and proceed to Help -> Install New Software



9) In the Work With dropdown menu, select GNU MCU Eclipse Plug-ins



9) Click Next

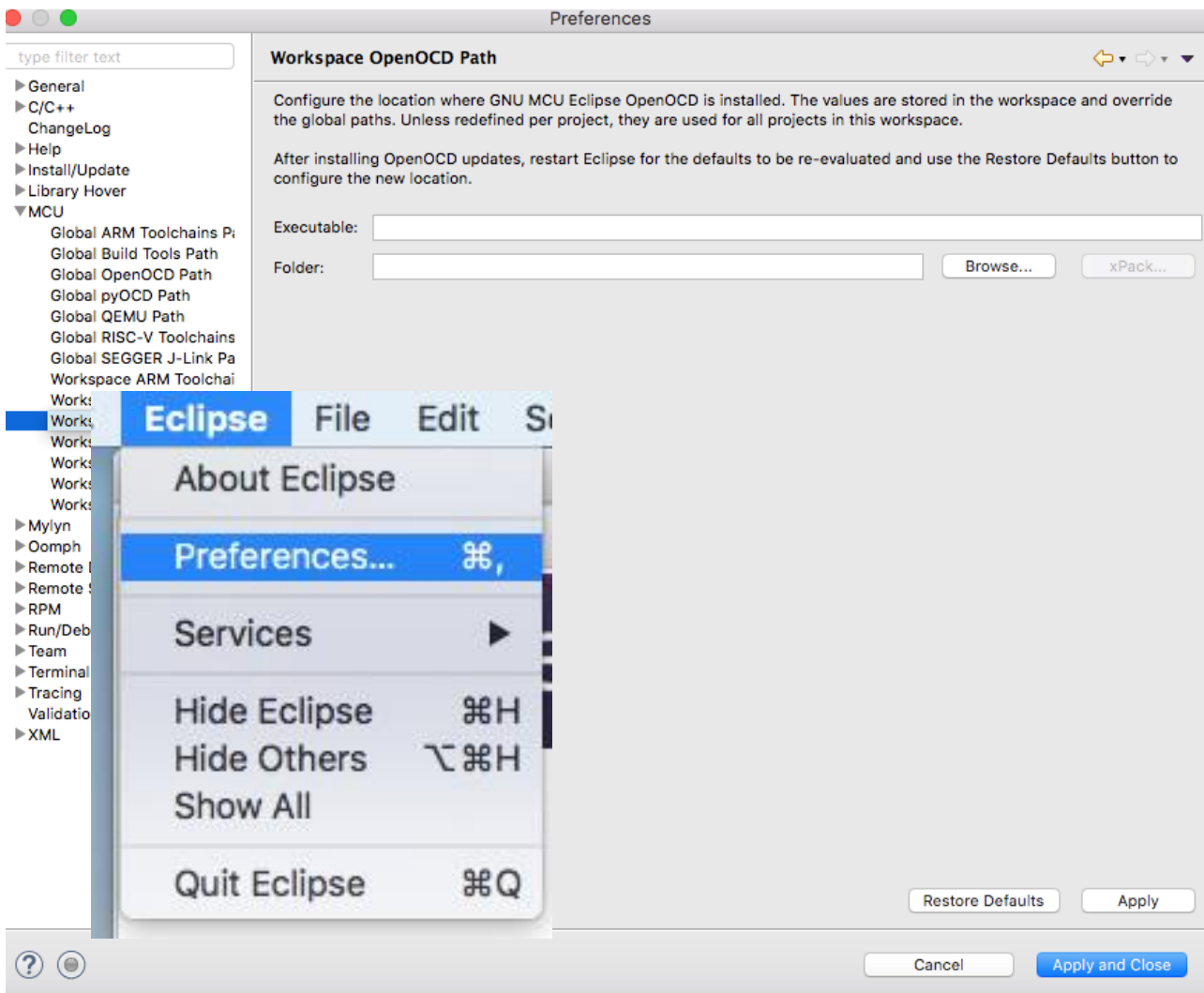


10)

Click Install Anyway



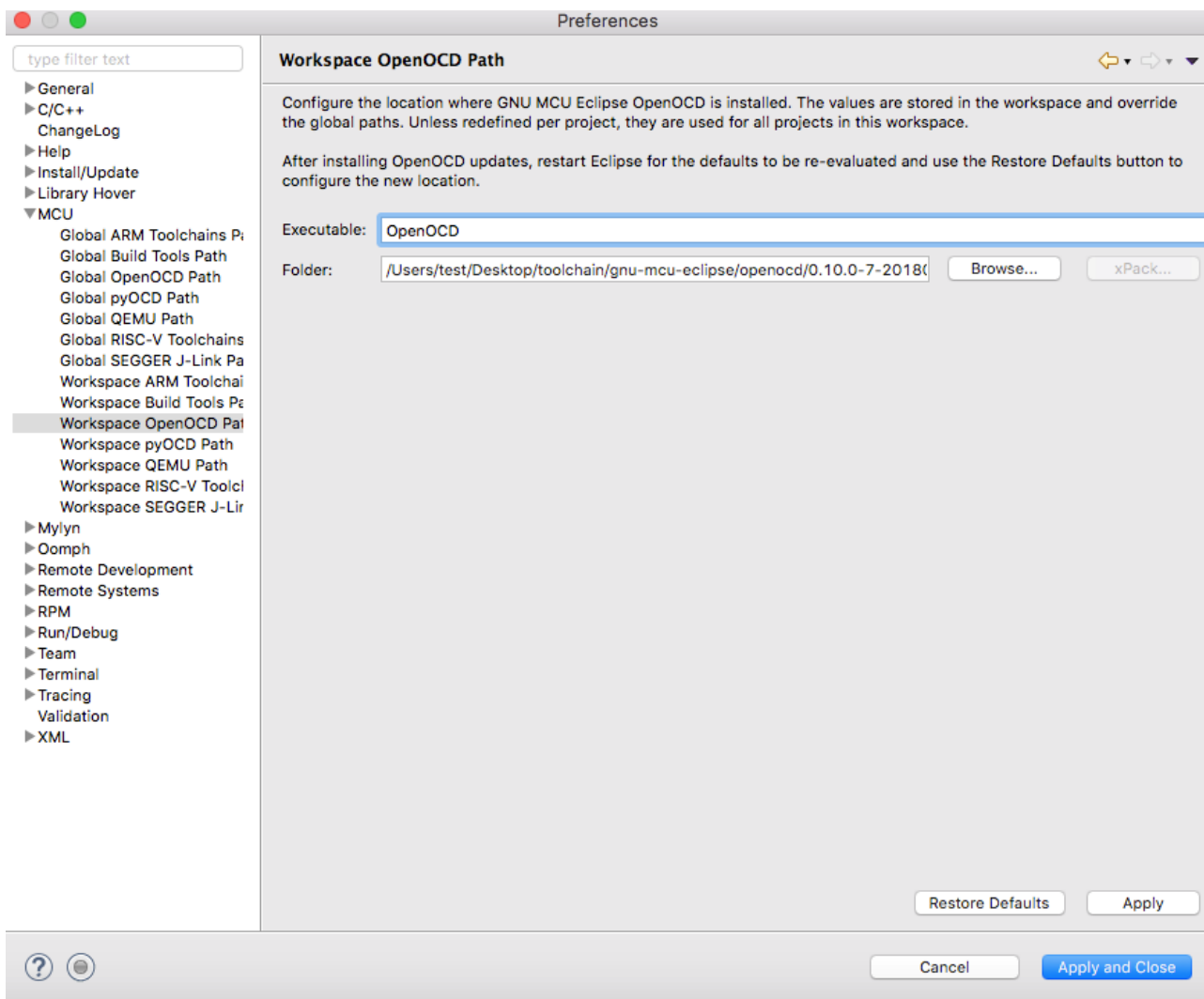
11) Click Restart Now



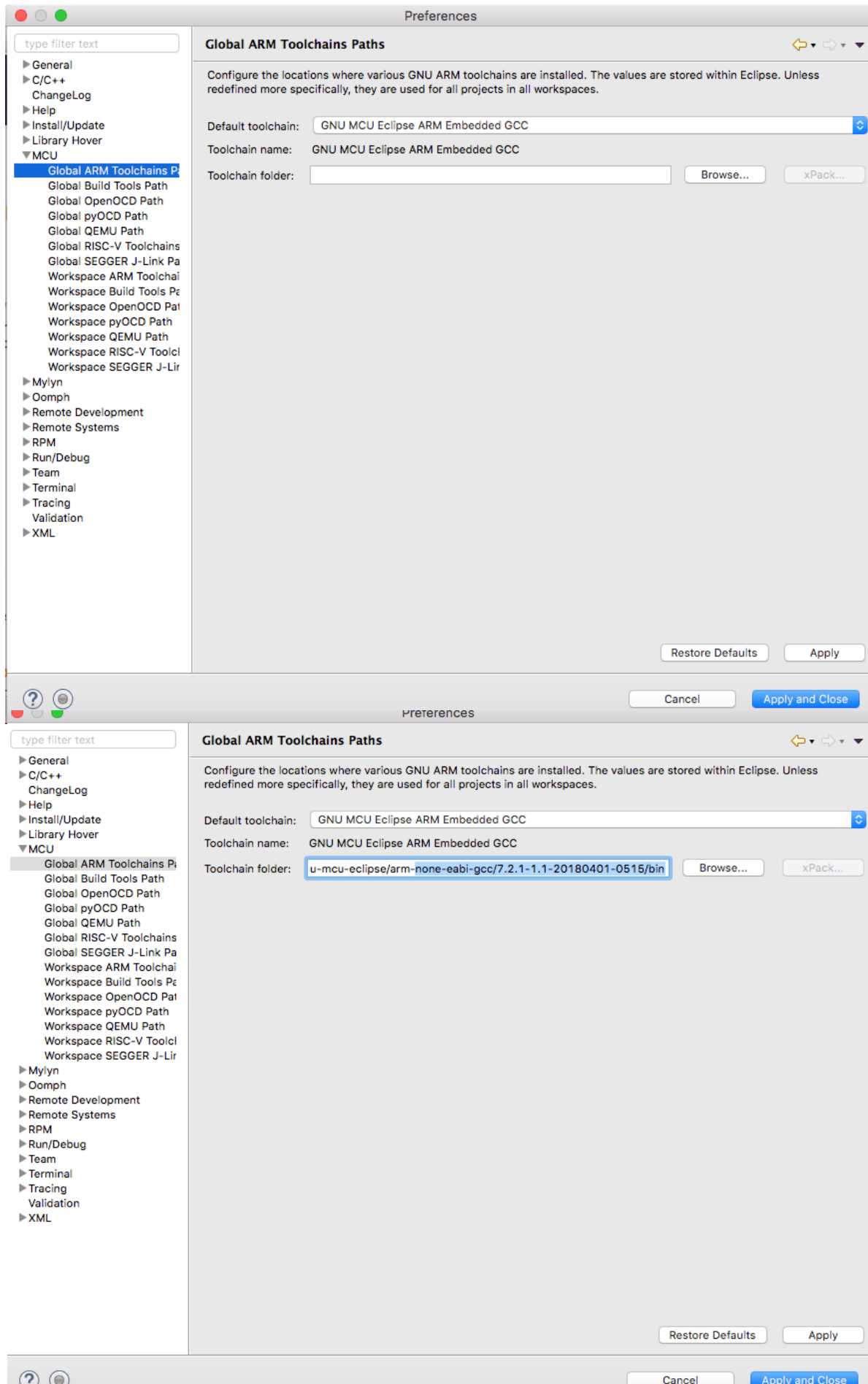
12)

After Eclipse Restarts, go to the Eclipse -> Preferences

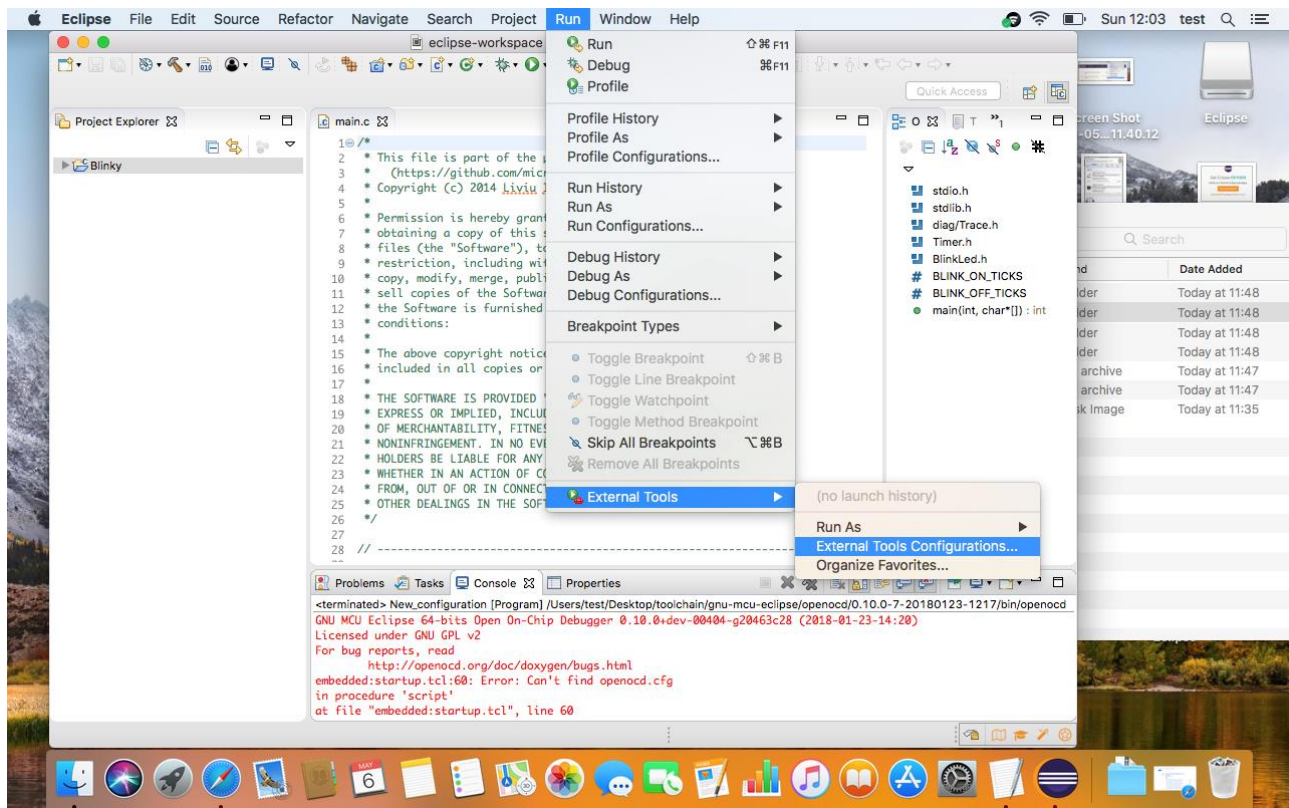
13) Navigate to Workspace OpenOCD Path under MCU and enter the directory where you copied the OpenOCD executable



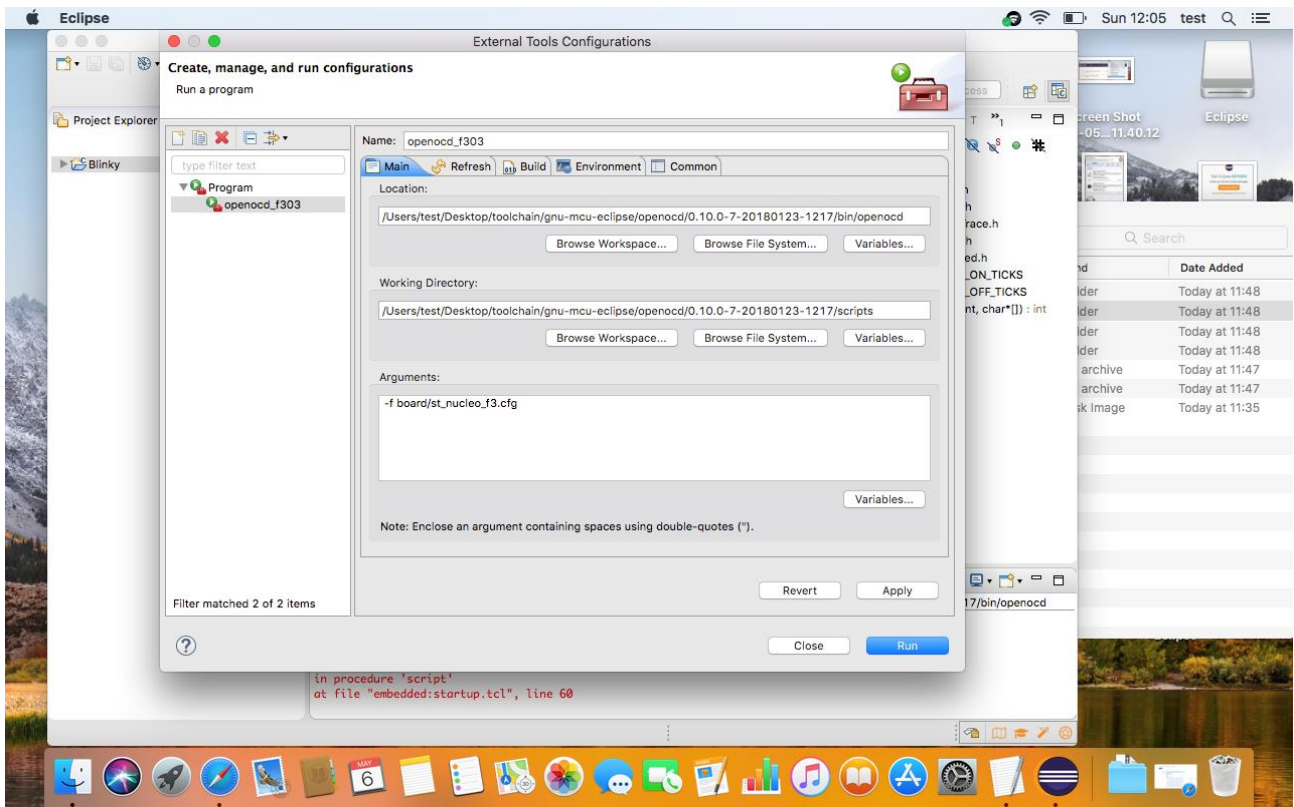
14) Navigate to Global ARM Toolchain Paths under MCU and enter the location of the GNU MCU Eclipse installation as shown below



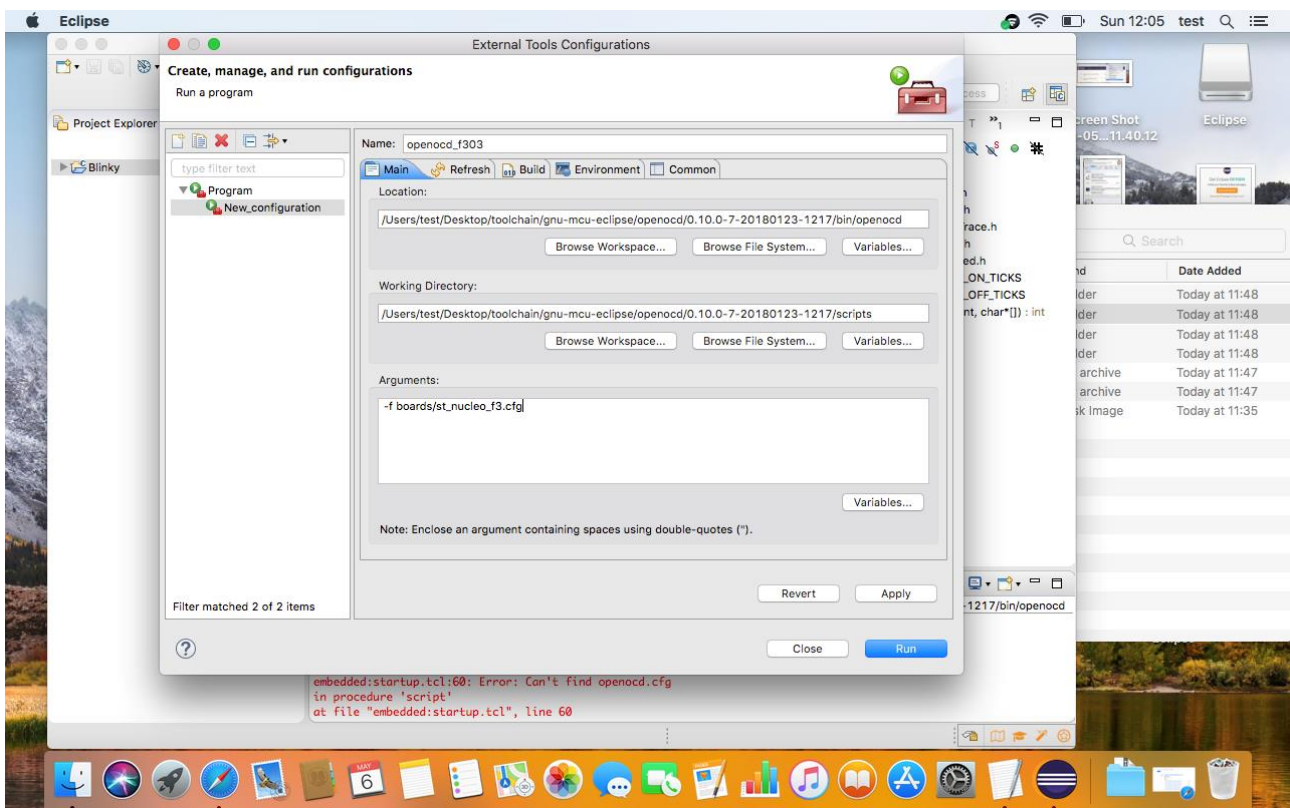
15) Navigate to Run -> External Tools -> External Tool Configurations



16) Add a new configuration using the icon on the top left

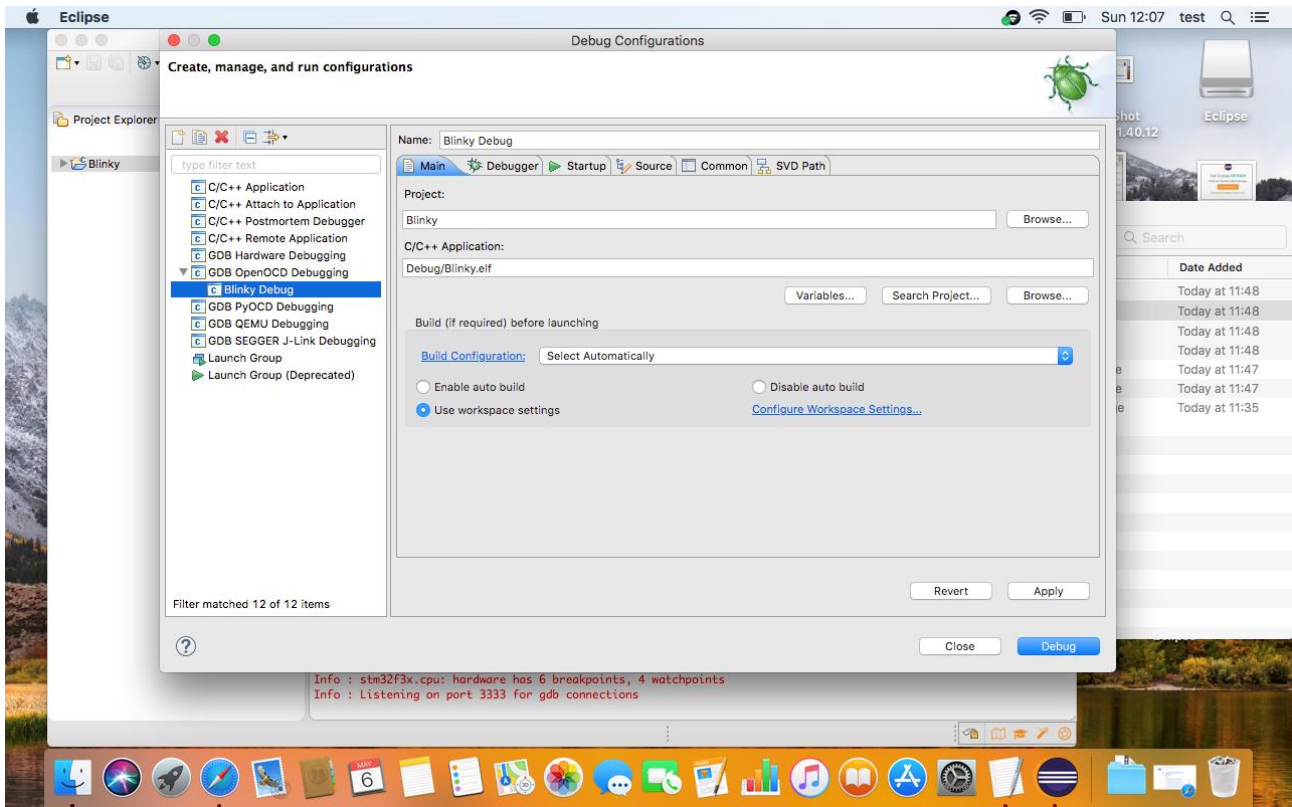


17) Enter the settings as shown below and hit Apply, then Close

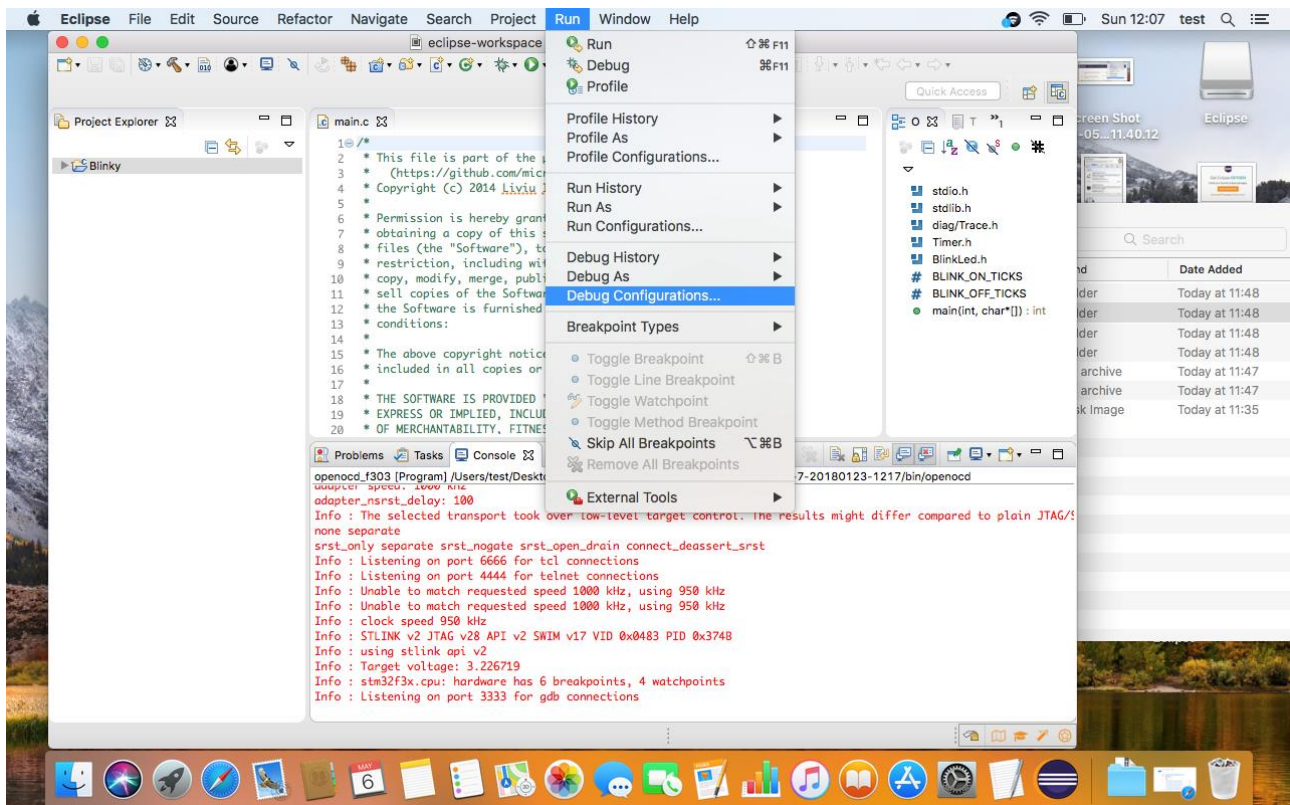


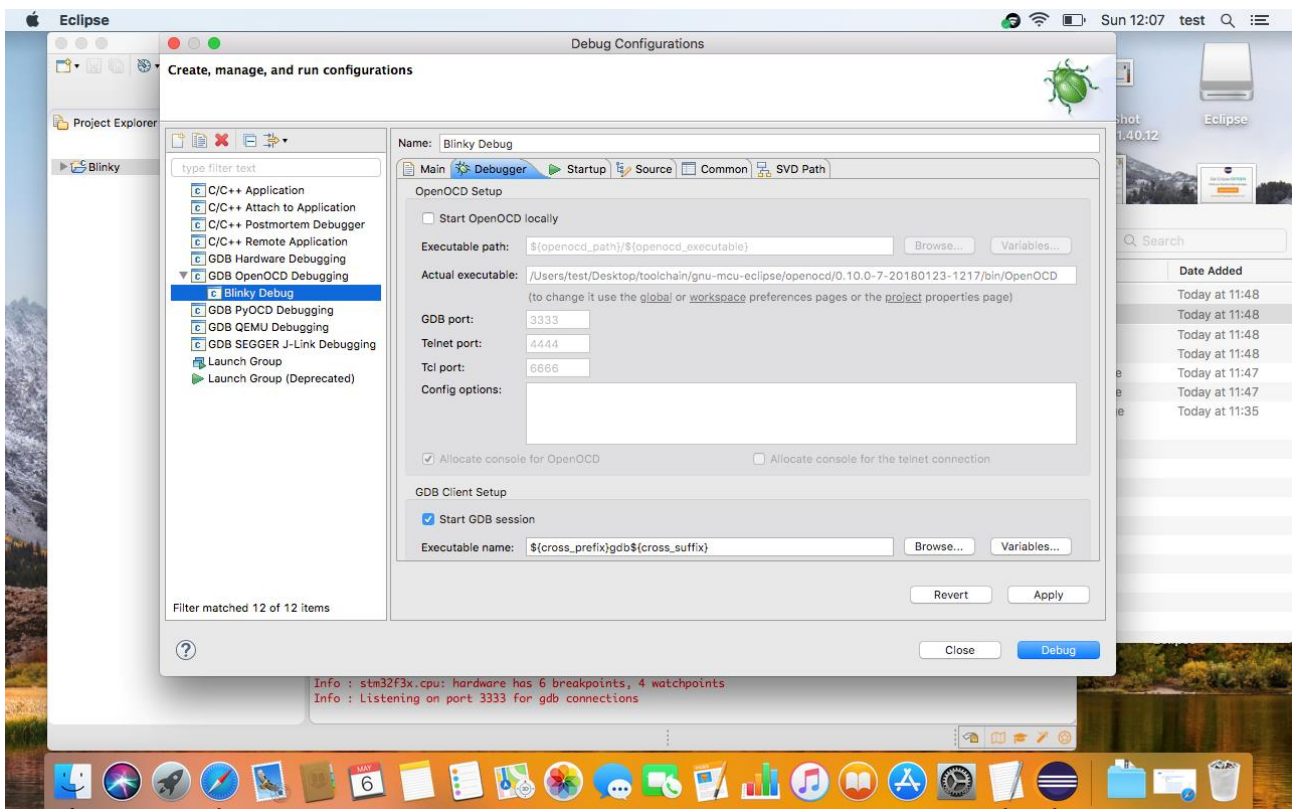
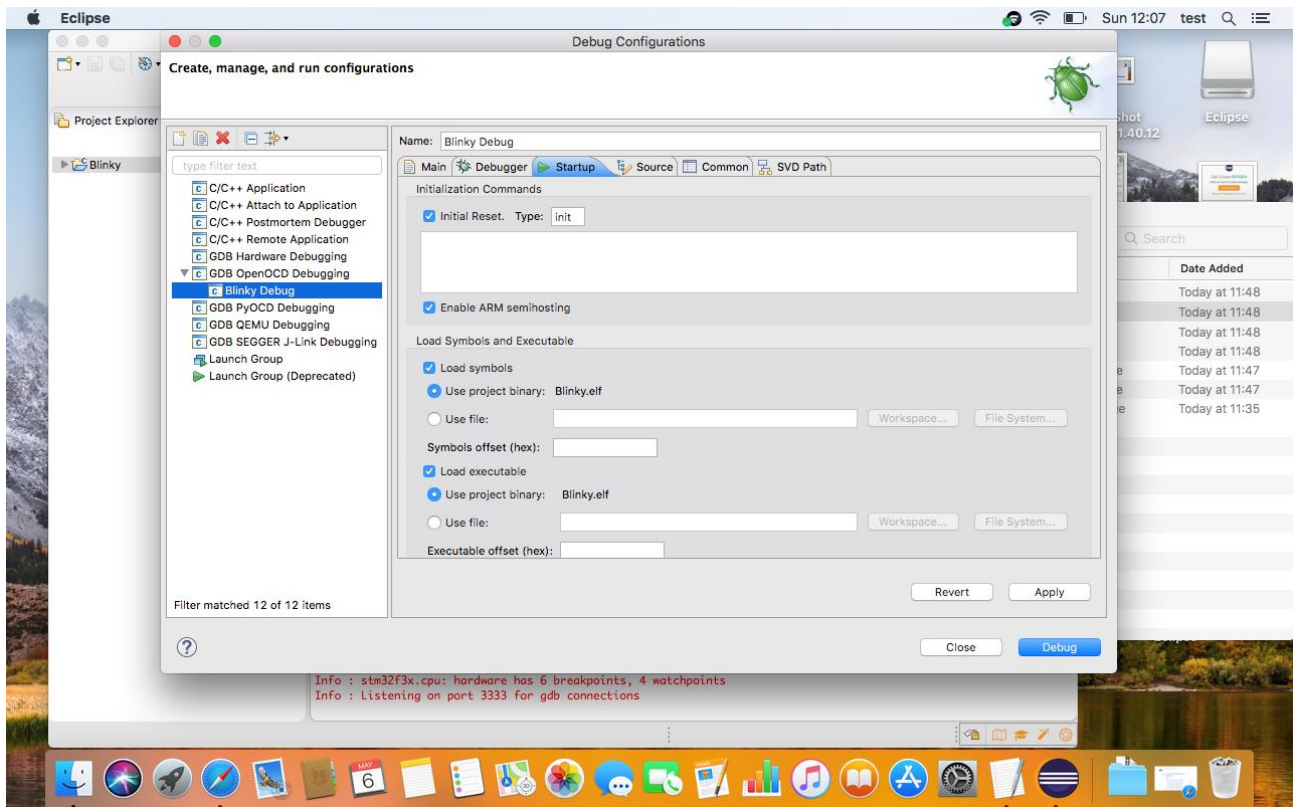
18) Click on Run -> Debug Configurations

19) Click on GDB OpenOCD Debugging and Add a new configuration using the icon on the top left. Follow



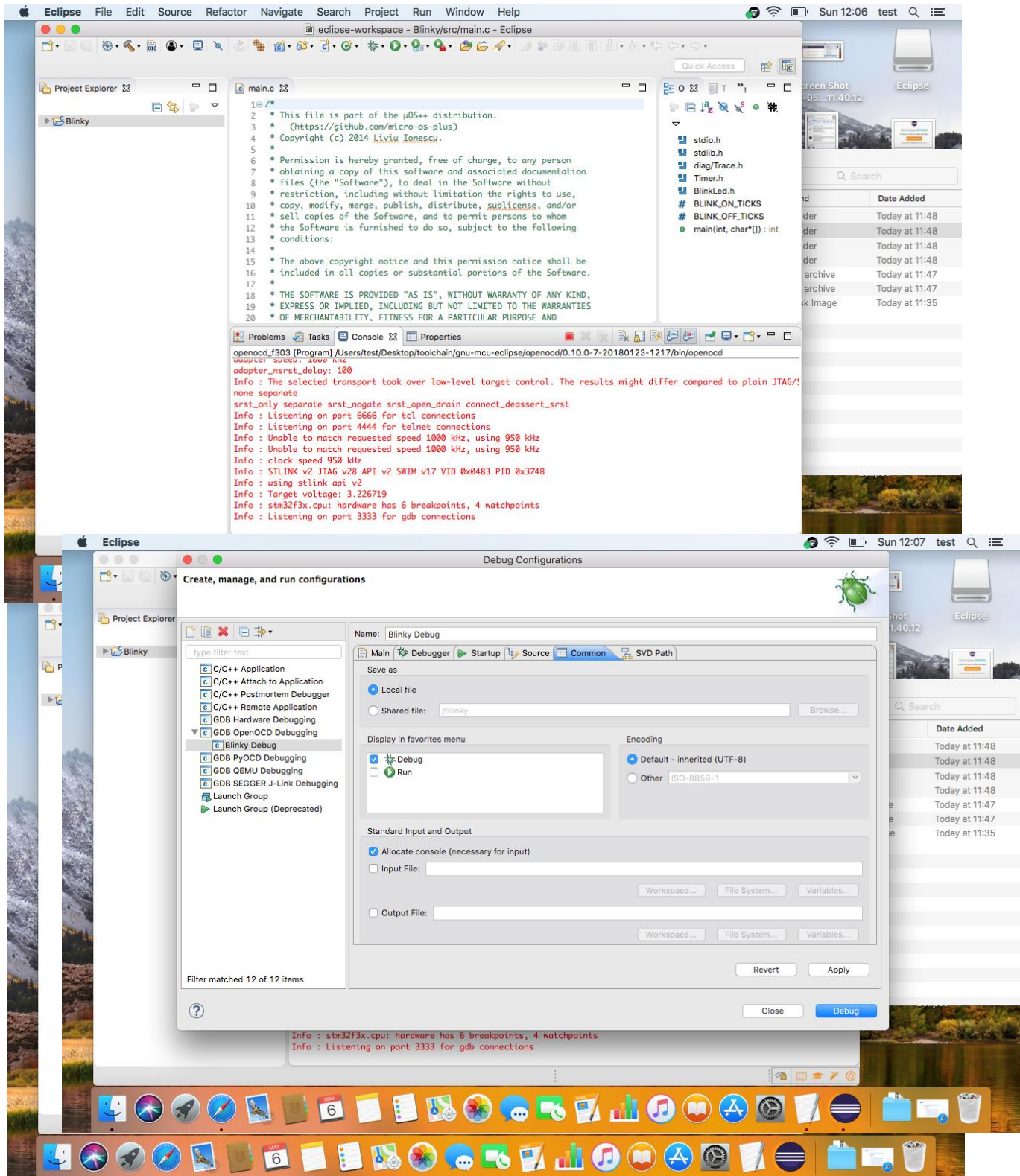
the settings as shown below.

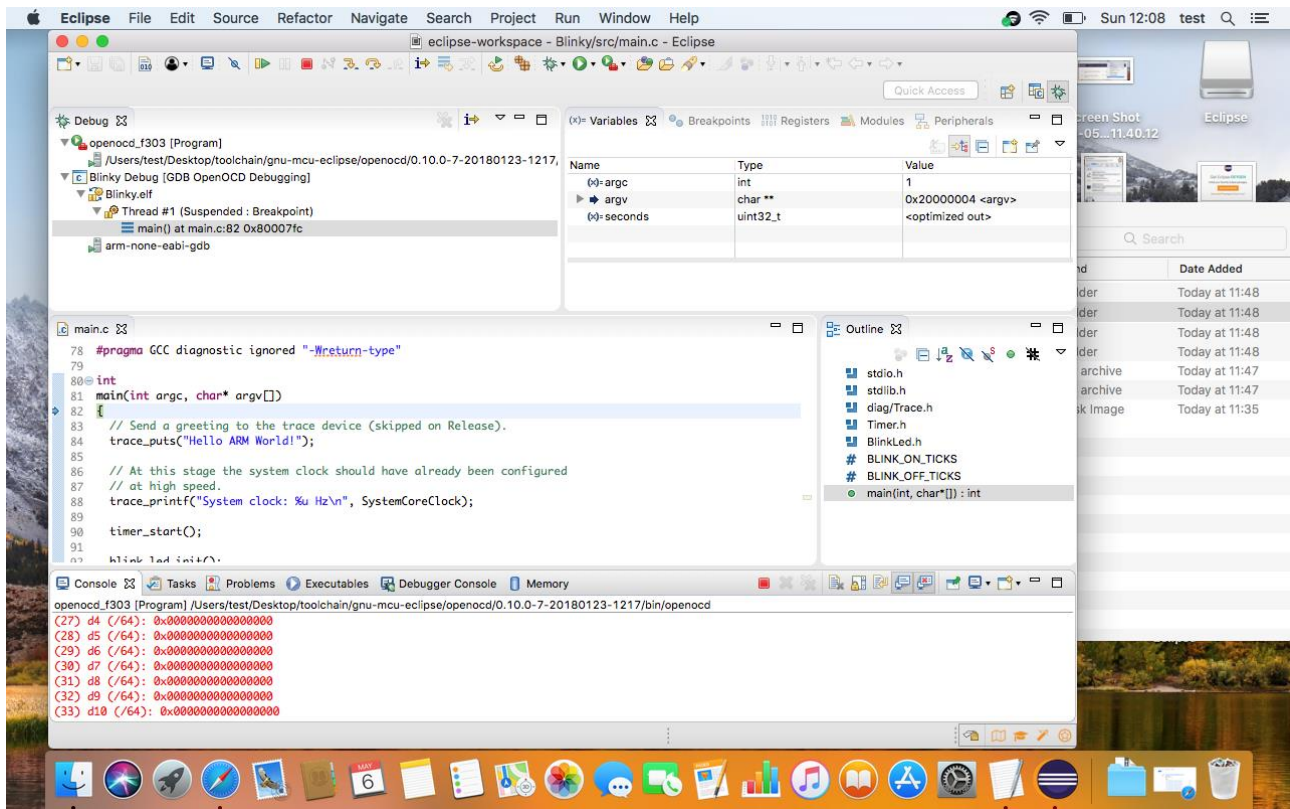




20) Hit Apply and Close

21) Start OpenOCD from Run -> External Tools -> OpenOCD as explained in course videos





22) Hit Allow

23) Start the Blinky Debug as shown in course videos. Your project should now be running in debug mode!

