

Lab 04 – Makefile (individual work, partners are optional)

CMSC 246

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1. Do the tutorial on <http://mrbook.org/blog/tutorials/make/>
 - a. First copy files from /rd/cs246s2016/shared/lab04/MrBook
`cp -r /rd/cs246s2016/shared/lab04/MrBook MrBook`
 - b. Then try compiling and running using each of the make files
2. OpenCV samples
 - a. Copy the files from lab04/OpenCV
`cp -r /rd/cs246s2016/shared/lab04/OpenCV OpenCV`
 - b. Read the simple makefile and the complex makefile
 - c. Compile with each of them
 - d. Try make
 - e. Try make clean
 - f. Look at the cout_mat.cpp file
 - g. Modify the file to change the values specified in the r and r2 Mats
 - h. Save and recompile. Make sure that the values changed as you expected them to.
3. Create a Makefile for lab03.
4. Create a Makefile for hw02.
5. Make sure to add and commit any files from lab 4 that will help you to remember how to use make files
6. Create a README file that describes the directory structure, and how each makefile works. In addition, write a paragraph about your experience with the lab.
7. Commit and push/clone this to your course lab04 directory. Make sure to give yourself RWX access recursively on lab04.

Other references on makefiles:

<http://www.cs.umd.edu/class/fall2002/cmsc214/Tutorial/makefile.html>

<http://www.cs.colby.edu/maxwell/courses/tutorials/maketutor/>

<http://cs.brynmawr.edu/Courses/cs246/spring2013/slides/11SeparateCompilation.pdf>