

CIS 330: Project #3D
Assigned: May 9th, 2018
Due May 16th, 2018
(which means submitted by 6am on May 17th, 2018)
Worth 3% of your grade

Please read this entire prompt!

Assignment:

- 1) Write a new, concrete type of Source called "PNMreaderCPP". This reader should be identical to your PNMreader class, but it uses C++ file I/O (ifstream) to read the data.
- 2) Write a new, concrete type of Sink called "PNMwriterCPP". This writer should be identical to your PNMwriter class, but it uses C++ file I/O (ofstream) to write the data.
- 3) Modify the main3C.C program to use your new classes in the place of the old ones.

Turnin:

tar cvf proj3D.tar image.C sink.C source.C PNMreaderCPP.C PNMwriterCPP.C filter.C
image.h sink.h source.h PNMreaderCPP.h PNMwriterCPP.h filter.h

The program should run identically to the 3C (just using C++'s file I/O mechanisms).

Note #1: in previous years, people deleted their previous PNMreaders and PNMwriters ... you will need them, so hang onto them.

Note #2: 3E, 3F, 3G, 3H, 3I, and 3T will all build on 3C. Therefore, if you are behind, then you can skip this project and still do the rest of the projects successfully. (You will get a grade of 0/3 on 3D though.)