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Lab Summary:

This lab implemented matrix operations in code. By doing this we practiced the writing of a testing harness, and also the use of for loops to iterate over arrays. We also learned some handling of floating point operations.

Lab Approach:

I strayed from the manual by implementing the functions first and then writing the test code, because I thought the operations were simple enough. Developing the code went smoothly, though in hindsight, I probably should have done it in the opposite order just to practice the TDD workflow.

As far as I know, the way I have implemented the functions are independent of the matrix size, so one may replace the DIM constant with something else. However, the header file uses 3 in function declarations, so one would also have to replace that.

Didn't work with anybody else.

Lab Feedback:

I think I spent somewhere in the neighborhood of a couple hours to several hours on this lab, it was fairly complete and touched on a lot of useful skills. Hardest part was likely the implementation of the inverse, but still very doable.

The requirements for the print function were a bit confusing, I was not sure how exactly the prompt wanted me to display it. I'm guessing they're lax requirements but am still not sure.

Point distribution is fine. Lab manual gave a good overview of the matrices for us to start off.

I still think the best way is for discussion about the arrays to be moved to lecture, as that topic is relevant to the whole language. Matrices should stay in the lab assignment, as that is relevant to the lab only.