Homework 6: Instructions

When you're ready to submit your solution, go to the assignments list.

In this assignment, you will be practicing recognizing echelon form and using it in solving matrix-vector equations and finding a basis for the null space of a matrix (actually the transpose of a matrix). You will also practice finding the vector in Span {a} closest to a vector b, and projecting along and orthogonal to a vector, and computing a vector norm.

To complete this assignment, please carefully follow these instructions:

1. Download this ZIP file

2. Unzip the ZIP file, and copy all its files into your `matrix` directory.

3. Verify that all the files from the ZIP file (including `hw6.py` and `hw6.pdf` and `submit_hw6.py` and some others) are now directly in the `matrix` directory.

4. Detailed instructions are in the file `hw6.pdf`.

5. Some of the problems/tasks are *ungraded*. You don't submit solutions to these.

6. For each graded problem/task,
   - test out your solution in the Python REPL;
   - copy your solution into the stencil file `hw6.py`;
   - submit your solution by running (from a console, *not* from the Python REPL) the command `python3 submit_hw6.py` to submit. You will need a one-time password to submit this assignment. It's located on this page.

You can use the submit command to submit as many problems as you like at one time.

Have fun!