

Array Functions

1. Copy the following files from `/home/mathcs/courses/cs246` to your `cs246` directory.

testarrays.c
arrays.c
arrays.h
Makefile

arrays.c contains stub functions. These are functions with correct declarations that don't actually do anything.

arrays.h (a header file) contains declarations for the functions.

testarrays.c contains a main program from testing the functions.

Makefile contains a recipe for the `make` command that tells it how to compile the files together to produce an executable program.

2. Run `make` (just `make`, by itself). This will produce an executable program called `testarrays`. Run it and look at the output. If you look at `testarrays.c`, you will see that the output is wrong (because none of the functions do anything yet).
3. Write each of the functions. Do not change the function declarations. The comments tell you what they are supposed to do. After you write each one, recompile and look at the output to see if it is correct. You should be able to figure out what the output should be.
4. Turn your files in with `turnin`. `Turnin` will expect each of the files above to be present.
5. For the sort functions, you will need to write comparison functions. The first one is identical to the one I did in class. The one for the reverse sort is almost identical.