

Tutorial Instructions

Lecture 5

1 Pointers

The file `pointerTest.cpp` contains a bunch of functions that manipulate pointers. Your task is to edit the *body* (not the signature) of these functions so that their output satisfies the assertions performed in the `main` function.

2 Debugging time

The file `debugThis.cpp` contains a program that is supposed to invert a function, but it crashes when run. Your task is to fix it. Once you have fixed the program so that it runs as intended, you will see that it's actually quite slow. Make it run faster! Alternatively, if you don't know how to write the code, think about how you could make the program run faster and discuss your answer with the teacher.

The file `debugThis2.cpp` contains a simple program with a few print statements. Study the code and try to guess what will be printed, then run the program and see if you were right. Some of the results will probably be unexpected. Your task is not to fix the program, but to understand *why* it printed what it did. Fiddle with the code and try to figure it out, then discuss your answer with the teacher.