

C M S I 4 8 8

Homework #5

Due: 2014-04-29

1. Add optimizations to your compiler project. You do not have to do too many, but the few you do should be non-trivial. Because everyone in class is compiling a somewhat different language, you much check with me EARLY regarding which optimizations are appropriate for your project.
2. Fork my Iki compiler on github. Add an if-statement to the language with syntax "if EXPR then STMT end". That's right: no else part! You should be able to do this quickly. Note that your update will involve:
 - Adding new tokens and lexer and parsing rules.
 - Adding an `IfStatement` module.
 - Generating the new code for C, Assembly, and JavaScript.