

For this lab, the only file that was modified was `cgen.y`. Each of the rules we were required to implement were implemented in a similar way. Each rule in `cgen.y` prints the assembly instructions needed to perform a certain task to `test.t.s`. Each operation uses different instructions, but they follow a similar fashion. Call `printf` to print out what assembly instruction needs to be performed next, followed by a call to `function_printtemp` which prints out all of the operands to that instruction inside the current function being parsed. All return values are stored into the `%eax` register.

The most annoying part of this lab was figuring out the individual assembly instructions that needed to be executed. If a particular rule wasn't working, it was easy to go back and build on the lab rule by rule.