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Lab 8 Report

      For this lab, we used a lexer and a parser to interpret a list of functions written in the csem intermediate form. When parsing the test example in test.t, the parser outputs the corresponding assembly code in the grammar rules to test.t.s for linking with the test.c file to run the program. The main issue when writing this program was determining which assembly code instructions were needed when implementing the more difficult operations, such as modulus and bitwise shifting. The last issue was during the call function test when the program would end in a segmentation fault until popping the passed arguments off the stack once the function had been called.