Compiler for mini-pascal
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Working environment: MacOS Sierra 10.12.6
Language: C
Scanner tool:lex
Parse tool:yacc
Assembly language: Java byte code

Components of my compiler:
    -A scanner (mini-pascal-with-yacc.l)
    -A parser (pascal.y , node.c , node.h)
    -A symbol table (symtab.c , symtab.h)
    -A code generationer (codegen.c , codegen.h)
    -A shell script to compile my compiler (build.sh)
    -A executable file (my_compiler)
    -A test cases directory (dir name : testcase)

Steps to generate the executable file of my compiler:
    (In command line shell)
    1.go to "0416314_p4" directory
    2.type "$sh build.sh",then it will generate a executable file "my_compiler".

Steps to generate the binary file from my compiler:
    (In command line shell)
    1.After done instructions upward, we have "my_compiler" in dir.Type "$my_compiler < ./xxxx.p", xxxx.p is the mini-pascal file which you want to run.
    2.After step1, we will have xxxx.j file in the dir. Type "$java -jar jasmin.jar ../xxxx.j".
    3.After step2,we will have xxxx.class in the dir(if no error) . Type "$ java xxxx". If no error, xxxx.p is compiled and run successfully!