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CS323 Programming Assignments

Fill out all entries 1 - 6. If not, there will be deductions!

Peer Review (Check one)

1. Names [1. Kun Fang], (ThumbUP [×] or ThumbDown [ ])

   [2.Lambert Liu], (ThumbUP [×] or ThumbDown [ ])

   [**if 3**.], (ThumbUP [ ] or ThumbDown [ ])

2. Assignment Number [3]

3. Turn-In Dates: **Final Iteration with Documentation** [12/15/2019]

4. Executable FileName [run.exe]
   (**A file that can be executed without compilation by the instructor**)

5. LabRoom [cs 101]
(Execute your program in a lab in the CS building before submission)

6. Operating System/Language [C++]

To be filled out by the Instructor:

GRADE:

COMMENTS:

Documentation

1. Problem Statement
   1) Symbol table handling and
   2) Generating an assembly code for the simplified version of our Grammar

2. How to use your program
   1) double click “run.exe”
   2) Follow instruction, type the file name you want to test
   3) The output will be shown in the terminal

3. Design of your program
   1) SymbolTable struct has id, memorylocation, type
   2) InstructionTable struct has step, Op, Oprnd
   3) List of SymbolTable
   4) List of InstructionTable
   5) Partial code from assignment 1
   6) Partial code from assignment 2
   7) Partial code from Dr. James Choi, using RDP
   8) Use different stages (functions) to distinguish different statements
   9) Have error handling
   10) If, else, while, input, output functions working

4. Any limitation
   1) All variable must be predefined.
   2) Restricted format: end of the file must add @, and @ symbol is reserved
   3) It does not guarantee working in Linux, mac OS system, if in these environments, please run the source code by deleting system(“pause”).

5. Any shortcomings
   1) Sample.txt includes all possible statements. If the program doesn’t work or having error report. Please test sample.txt