

Sara Kim nand2tetris Project 8

Project 8 is an extension of Project 7. The code was copied over directly from project 7 and new functions were included in CodeWriter.h/CodeWriter.cpp.

Command types:

C_LABEL, C_GOTO, C_IF, C_FUNCTION, C_RETURN, C_CALL

were also included in the Parser and main.

The main.cpp also now allows multiple .vm files to be translated into .asm files.

Reference Notes:

- Function details and program instructions taken from Virtual Machine Part 1/Part 2
- The Elements of Computing Systems
- <https://www.geeksforgeeks.org/command-line-arguments-in-c-cpp/>

To compile:

go into the Kim_Sara_Project8 folder from the command prompt/terminal

Once in the folder type:

```
g++ *.cpp          press enter
./a.out FILE_NAME.vm FILE_NAME1.vm      press enter
```

where FILE_NAME.vm is any vm file that user wants to translate to .asm file.

It is important that the vm file that needs to be translated is within the same folder (Kim_Sara_Project8 folder).