

# Exam 1 Day 2 Questions

---

3/5/21

Ryan  
Rosiak

4. In code ~~##~~

5. The following program will first open a file called `my.txt` for writing only with read and write permissions for user only (will create file if does not exist). The program prints "How are you?" to standard output. Then, the program closes standard output, replacing it with the new file. Lastly, the program writes "I am fine Thank you. How about yourself?" to the file `my.txt` and then closes it.

6. foo: r--rw-rw-  
bar: -w--w-rw-

7. Text editor - The text editor is used to write your code. The editor edits the file according to a specific syntax to be read by the compiler.

preprocessor - The preprocessor scans the source code file for any preprocessor directives (#....). This can be anything from defining precompiler macros, constants, type definitions, and most importantly library inclusions where code needs to be placed atop of your file so that library functions can be used.

Compiler - The compiler is what turns your source code into machine code (executable and

object files) that are readable to the computer. The compiler does this by parsing the source file and finding what each keyword means in machine code.

Linker - The linker links object files together to create an executable. The compiler creates object files that are machine code files with info on their header/implementation file. These objects are connected by the linker to create the final executable.

8. a. \$x  
b. you