1. Explain what the following line of code will do:

#include <stdlib.h>

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Tells the compiler to include and insert the contents of the stdlib.h header. This lets us use functions defined in stdlib.

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[11] Segmentation Fault

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One Example: Dereferencing and accessing a property of a struct which is a NULL pointer.

node * myNode = NULL; printf("%p", myNode->next);

If i need to compile a C program, what command do I type

(For 1917)

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gcc -Wall -Werror -O -o output input.c

4. If i needed to compile multiple C files (compile and link), what command would I use?

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gcc -Wall -Werror -O -o output input.c other_input.c

5. Explain what a Frame is.

6. Why does the following line of code require an "&" before the variable name?

scanf("%d", &myVariable);

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We need the address of 'myVariable' so we can update its contents, since we cannot do multiple return values in c.