

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

```
#include <stdlib.h>
```

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

2. What is usually the cause of this error whilst running a program written in C?

[11] Segmentation Fault

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)

```
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?

```
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);
```

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

7. Why is Jake's Tutorial class beating ours?

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