

1. What is a segmentation fault?

It happens when the program does something wrong with memory, like accessing something that doesn't exist.

2. Write a C function that returns the sum of two integers.

```
int add(int a, int b) {  
    return a + b  
} // I think this is right.
```

3. Explain the difference between malloc and calloc.

malloc gives memory but not initialized. calloc I think is slower and maybe initializes?