Questions week 2

1. A parameter declared as an array is changed by the C compiler to instead be a pointer. Why?

2. In the declaration `void f(int a[3][4]);` it is only the first array (i.e. the `[3]`) that is converted. Why?

3. Which arithmetic operations are permitted with pointers and what is their semantics?

4. When resizing the memory block pointed to by some pointer `p` using `realloc`, it’s a bad idea to have other pointers pointing into the memory block pointed to by `p`. Why?

5. What another risk with writing `p = realloc(p, size * 2);`?

6. How can `(*list).succ` be written more conveniently?

7. Consider the string "C11". How many bytes does it need and what does `strlen("C11")` return?