Day 5 (Wed 2/2)

- Exercise 4 review
- Day 5 recap Qs
- arrays, C strings
- Exercise 5

HW0 due Friday 2/4
HW1 due Friday 2/11

slido.com
jhucsf02
↑
zero

If you are remote:
Use slack workspace to ask for help during exercise

Exercise 4

- scanf returns the number of data values successfully read (so, useful for detecting end of input)

possible main loop

```
char grade;
float points;

int num_read = scanf("␣%c␣%f", &grade, &points);
while (num_read == 2) {
        handle grade

        num_read = scanf("␣%c␣%f", &grade, &points);
}
```

You usually want a space before %c when using scanf - tells scanf to skip whitespace characters

Exercise 4 (continued)

```
switch (grade) {
case 'A':
case 'a':
        code
        break;
case 'B':
case 'b':
        code
        break;
    :
default:
        code if no case
        label was matched
        break;
}
```

must be careful not to forget a break statement at the end of the code that handles a particular case or cases

1. When we declare an array in C, what are the initial values?
2. What is the ASCII (Unicode) table?
3. What is a null terminator? What is its ASCII value?
4. Consider c-string "ab\0cd\0" - what is the reported string length?
5. How do we check if two C-strings are the same? In addition, are these two strings the same: "ab\0cd\0" and "ab\0"?