Day 5 (Wed 2/2)

· Exercise 4 review

- Day 5 recop Qs

· arrays, C strings

. Exercise 5

>Hwo due Friday 2/4 >Hw1 due Friday 2/11

> slido.com jhuintprog01

> > Zero

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

```
Exercise 4

- scant returns the number of data values successfully read

(so, useful for detecting end of input)

possible main loop

char grade;
```

```
char grade;
Float Points;
int (num-read = scanf("L Poc_ 70f", &grade, & points);
while ( num-read == 2) {
       num_read = scanf ("L'Doc_ Dof", &grade, & points);
```

You usually want a space before For When using scanf - tells scanf to skip whitespace characters

2.15 3.05 1ing

## Exercise 4 (continued)

switch (grade) { case 'A': (ase 'a': code break; case B' case 'b': coll break; default: 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"?

ASCII

char	integer		Ñ
A	65		ć
Ø	48		
·	32		
\n	10		
\Ø	0	(NUL)	

ASCIT

all other
tept characters

char s[10]={'c', 's', 2', '2', '0', '10'};
printf("205\n", S);

char s[] = "ablocd \o"; prinkf (" 70 d \n", (int) strlen (s)); char s[] = "ablocdlo", s2[] = "ablo"; int x = strcmp(s1, s2); printf("221", x);

11 could stare any strong 11 up to 999 chers char str [ 1000]; gcc -o myexe char a [ 10 ]; stropy (a, "Hello, how are you?"); foo small! Sundefined behavior valgoind