



comp1511 week 7

welcome back!

announcements

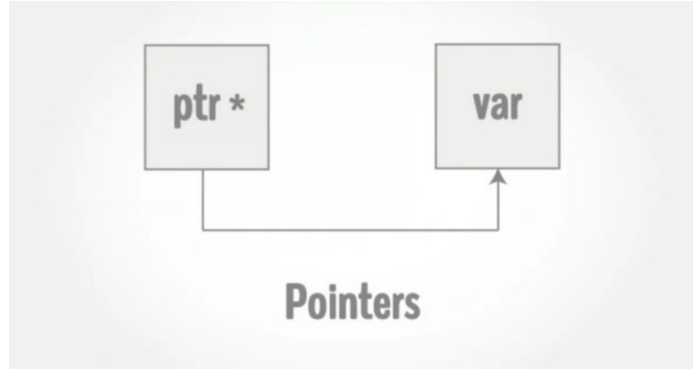
- help sessions currently running every week
 - <https://cgi.cse.unsw.edu.au/~cs1511/22T3/flask.cgi/help-sessions/>
- assignment 0 marks released before flex week
 - submissions tab -> assignment 0 -> click blue dot for more details
- congratulations for finishing assignment 1!!!
 - will be marked by mid-week 9
 - I'll try to provide general style feedback next week in the tute

✨ reflection time ✨

*what have you learnt from assignment 1?
(anything to take into assignment 2?)*

what's happening today?

- Pointers
- Struct Pointers
- Scanning until EOF



Pointers

variables that hold memory addresses
of other variables

see pointers.c

pointers and memory

what will happen when each of these statements are executed in order?

https://cgi.cse.unsw.edu.au/~cs1511/22T3/flask_tutors.cgi/tut/07/

```
int n = 42;  
int *p;  
int *q;  
p = &n;  
*p = 5;  
*q = 17;  
q = p;  
*q = 8;
```

struct pointers

```
struct person {  
    char character_name[100];  
    int num;  
};  
  
// Swaps the numbers of each struct  
void swap_numbers(struct person member1, struct person member2) {  
    int temp_num = member1.num;  
  
    member1.num = member2.num;  
    member2.num = temp_num;  
}
```

why doesn't swap
numbers work
properly?

let's fix it:
struct_pointers.c

reading input until EOF

- Reading character by character using scanf
- Reading line by line using fgets

see: eof_loops.c