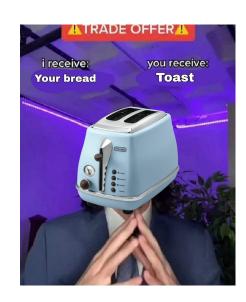# comp1511 week 4

arrays & functions

Ada Luong

functions!

- What are functions?
- Why use functions when you can simply chuck everything in main?
- Creating and using functions
  https://replit.com/join/tqedstgygn-adaluong
- Chat about function scope
  - `change_number.c`

arrays

what are they and why do we care?

0	1	2	3	4	5
3	24	7	0	13	63

{ code demos and arrays }

- Creating and initialising an array
  - `array.c`
- Accessing elements of an array
  - `first_plus_third.c`
- arrays, functions, and pass by reference (wow crossover)
  - `change_element.c`

scanf is a function :0

returns the number of values it has read and assigned to variables

How could we create a loop that would continually read values in from standard input until the user inputs anything other than a number (or the input ends).

`scanning_numbers.c`