Tute 08

COMP1511 22T3

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- malloc
- linked lists

malloc

what would you write to malloc the following:

- an `int`
- a `char`
- an `int` array of size 5

malloc summary

- allocates memory, that is persistent (unlike normal variables which are thrown away when a function ends)
- the parameter is how many bytes you want (sizeof is useful here!)
- since how much memory you get is dynamic, it's useful when you don't know how big something is when writing the program.
- returns a pointer to the memory

linked lists

sequential data that must be accessed sequentially

linked list activity

linked list tips

3 positions to think about

- at the start
- in the middle
- at the end

3 lengths of list to think about

- the empty list
- a list with 1 element
- a list with many (> 1) elements