

Containers

easy access by number
space efficient, very

arrays

← stack
heap
data segment
BSS

Strings
or
otherwise | int nums[5]

struct
objects

different
kinds of data
space efficient

struct Quintuplet
nums;

→ linked lists

← can insert and
remove or detach
from anywhere

binary search trees

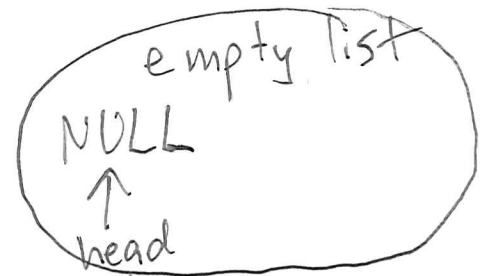
files

Terms:

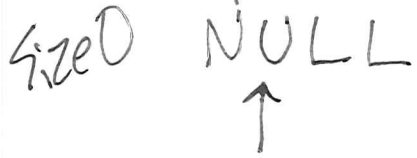
head: address of first node

node: struct object containing one element

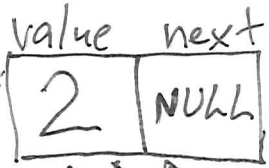
tail: address of the last node



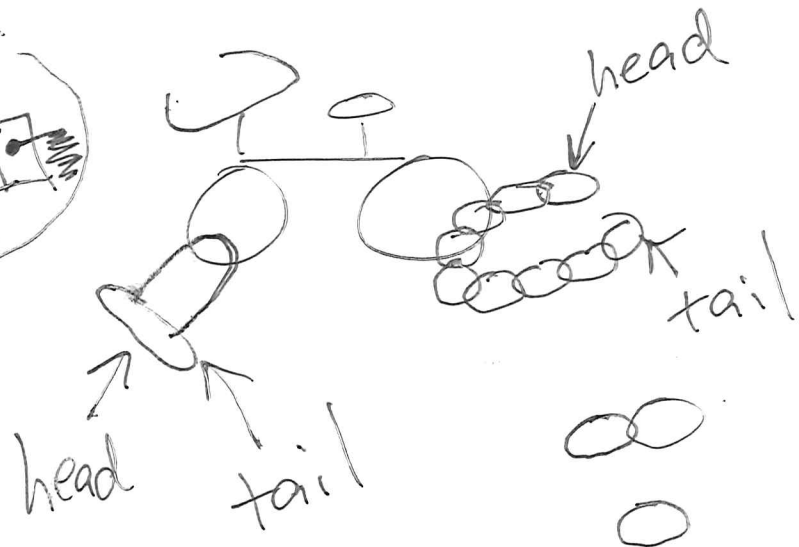
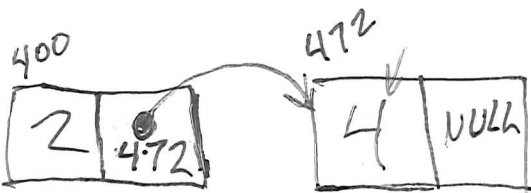
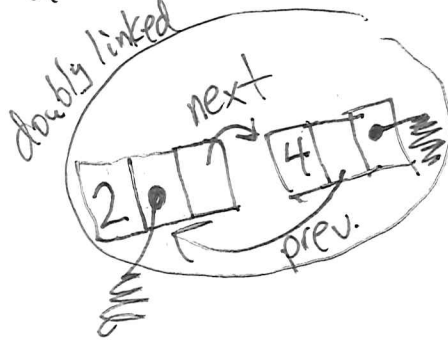
empty list

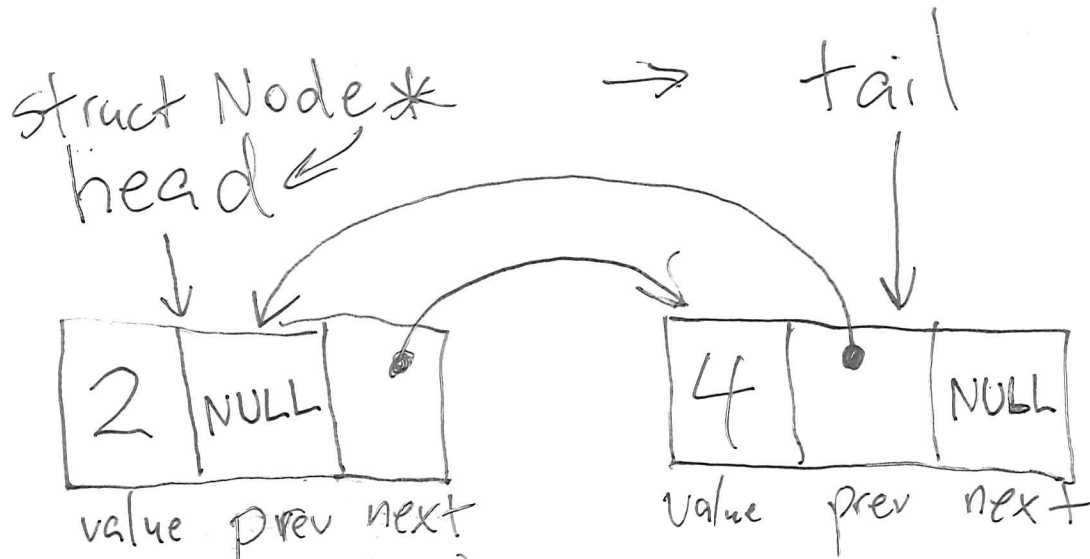


list of 1



← means there is no next node. You are at the end.





OOP:
4 bytes 8 bytes 8 bytes