Idea, in pictures:
[17] => (2)
Stre a list. but each element tells you whome to find the next one.
(contrast out redor: next element is @ (Le)+1)
Dry?
t can add a new - No "random access". element anywhere i.e, no UEII! in constant # ob - Takes more space: each steps element takes an 8-byte t removing elements from pointer with it. any location is also - Not Friendly for fast (does not depend - CPU (ache.) on total # of elements)
How to do it in C(++)

Linked Lists (l4.pdf, 2nd half)

the elements: [intled]

We can use structures: Struct node { int data; rode* next; pictures Cole n. data n. next node nj Mure commonly: node * P = new mode; P = (*p). data (*p). next P > data P > next Exercise: add new node to beginning of an existing list Note: well keep track of a special pointer ((for List) that always tells us where

the list begins. D nodex p = new node; $p \rightarrow data = X;$ 3) p-> next = Lj $(3) \quad L = P;$ // make L print to 1 the same place as 1/ P points

Exercise: print contents ob a list. $P = P \rightarrow next$