

Lists and Other "Collection" Types
We know about arrays as one way to represent a collection of data.

- We could abstract from this a bit and talk about "lists" (what the textbook calls "linear lists") as linear ordered collections of data.
- We could also consider coming up with ways of representing non-linear collections such as trees, graphs (in the mathematical sense of a collection of nodes and edges), etc.
- Many/most programming languages support this idea, sometimes through fairly extensive libraries. C, not surprisingly, doesn't, but you can build your own, typically using structs and pointers.

Slide 2



Slide 3



Slide 4

