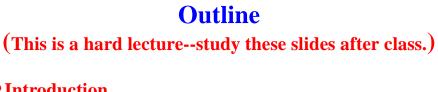
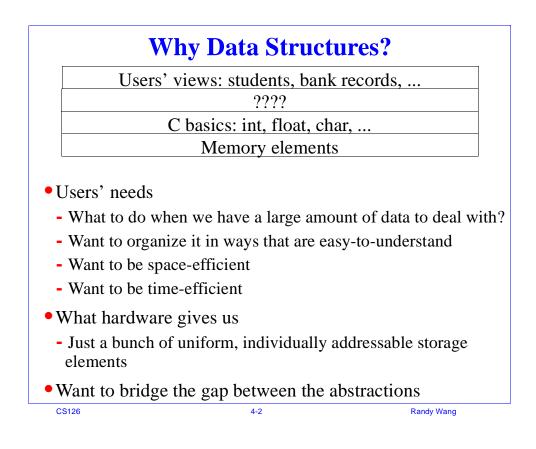
CS 126 Lecture P3: **Data Structures**

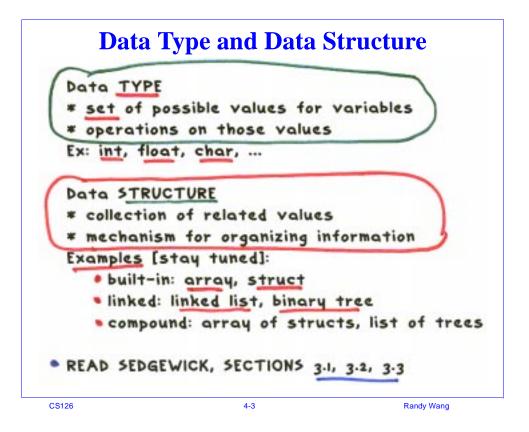


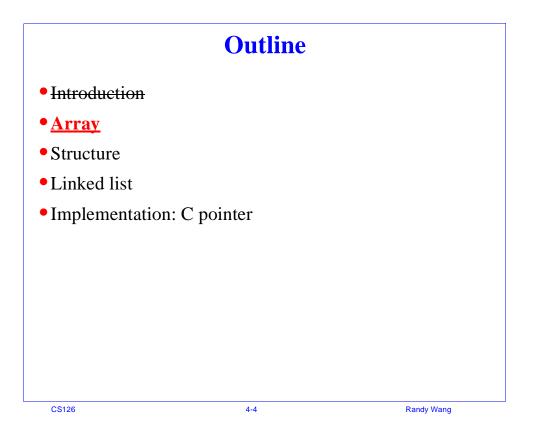
- Array
- Structure

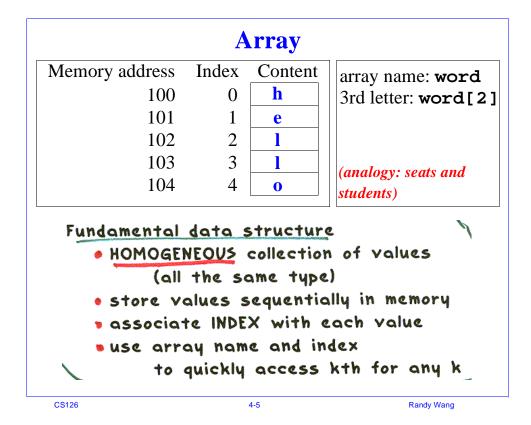
• Introduction

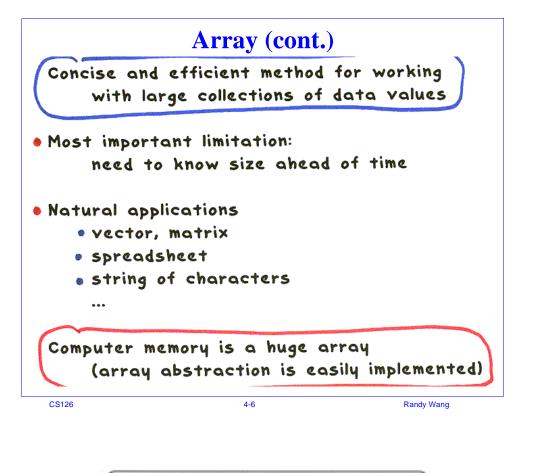
- Linked list
- Implementation: C pointer





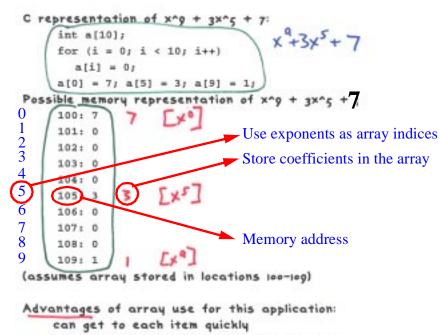




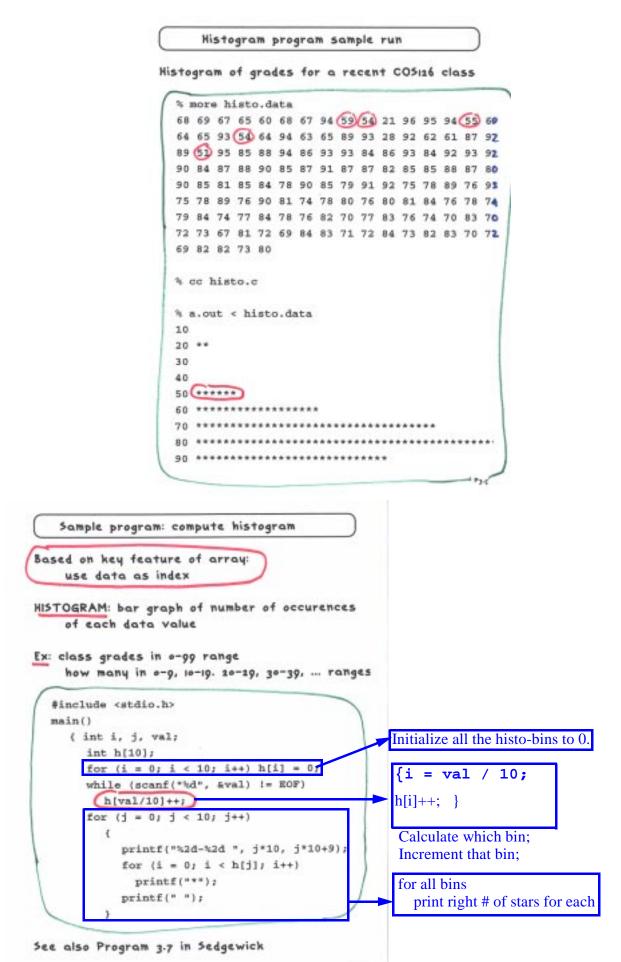


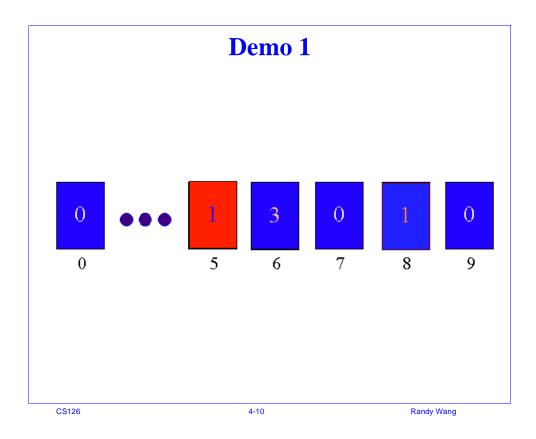
Example of array use

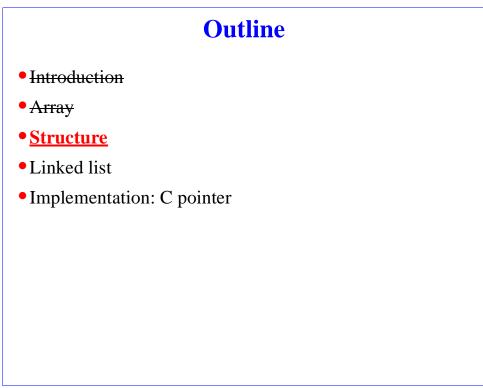
Symbolic manipulation of polynomials



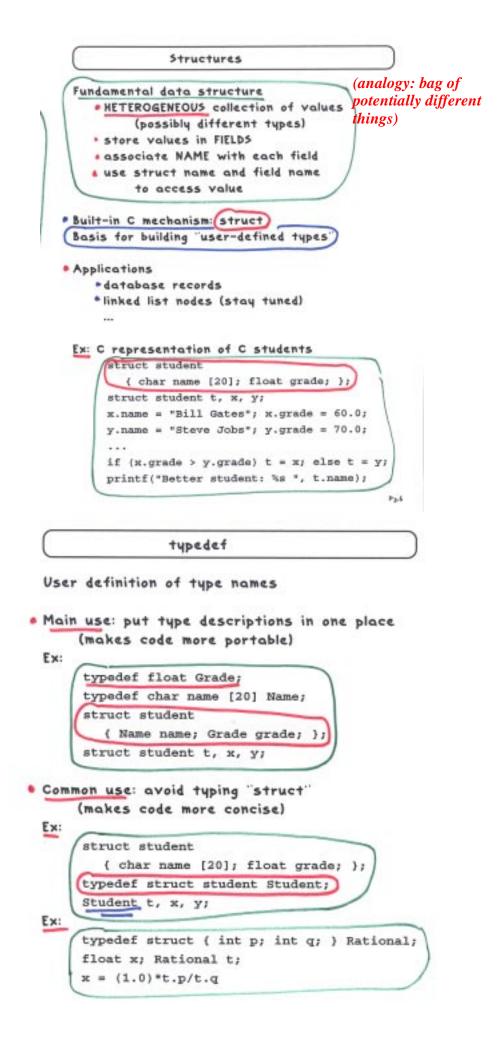
index carries implicit info, takes no space Disadvantage: Uses up space for unused items

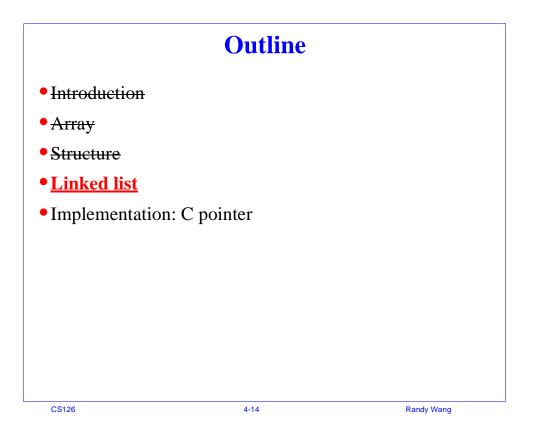


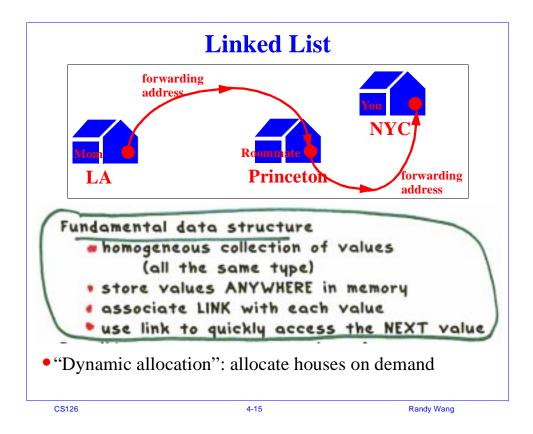


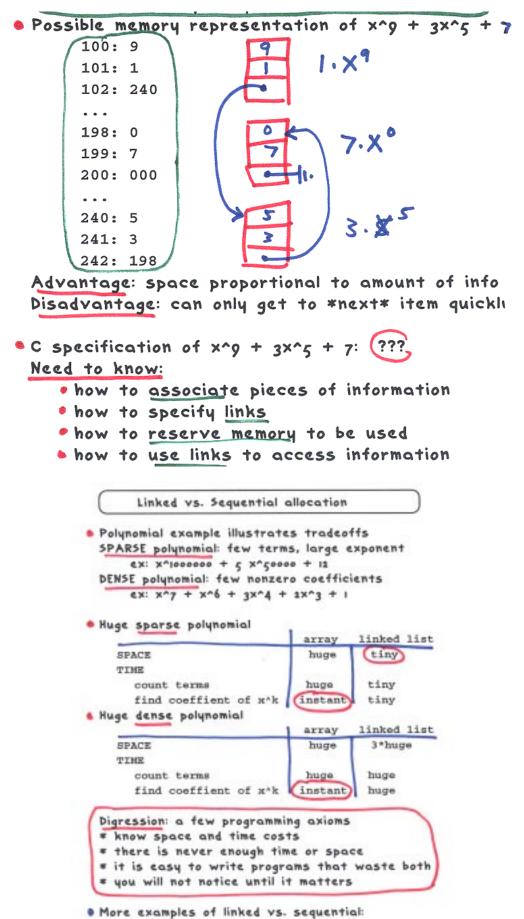


Randy Wang









Programs 3.5 and 3.9 in Sedgewick

