Andrew Plum

Cs 121

3/7/22

Week 9 Notes

* Quick sort
  + How to
    - Choose a pivot
      * Can be random or directly in the middle
  + Do quick sort reclusively to do the sort efficiently in terms of memory
* Placeholder sort
  + Two pivots
    - One on the start side of array
      * Shifts right if num on right is smaller
    - One on the end side of the array
      * Shifts left if num on left is smaller than pivot
* Binary Search
  + Requires a sorted list
  + Requires 3 variables
    - Low, high, and we’re number looking for