CSCI 2270 Lecture Notes

1/14/19

* What is Data Structures?
  + Studies data abstractions (stacks, queues, lists, trees) and their representation techniques
  + How to streamline processes
* Data Abstractions
  + Objects
  + Programming
    - computational representation of the world
    - abstract meaningful details for representation
    - Variables and processes
* Number of operations required to complete a process (Complexity0
  + O(n^2) – bubble sort
  + O(nlog(n)) – heap sort
  + O(n)