CS16 Section 4

Mini Assignment

March 2th-4th

Please bring a hard copy of your mini assignment to turn in at the beginning of section.

Read the heap handout and answer the following questions:

1. Name three properties of a heap and explain the differences between a position and entry.

2. The upheap method is called when you _______ a node and down heap is called when _______ a node? Does the position or the entry move when you upheap?

3. Give a real world application of a priority queue. What would the key/value pair types be?

4. Master Theorem is primarily used to solve _______ _______.