

Exam #2

Heaps

Code for Percolate Up & Percolate Down in Heaps

Difference Between Min-heap and Max-heap

Event Simulation - Application of a Heap

Anything that was on the quiz

B-Trees

Code for Insertion (not for construction)

K-D Tree

Know insertion/construction algorithm

Range queries

Nearest Neighbor Search

Sorting algorithms

Heap sort

Best	$O(n\log(n))$
Average	$O(n\log(n))$
Worst	$O(n\log(n))$

Merge Sort

Best	$O(n\log(n))$
Average	$O(n\log(n))$
Worst	$O(n\log(n))$

Quick Sort

Best	$O(n \log(n))$
Average	$O(n \log(n))$
Worst	$O(n^2)$
