Sorting

- 1. A sorting algorithm is said to be **stable** if two objects with equal keys appear in the same order in sorted output as they appear in the input array to be sorted.
- Which of the following sort is stable?
 - a) Selection sort
 - b) Insertion sort
 - c) Merge sort
- 2. In less than 5 sentences, describe the bigO and behavior of the following sorting algorithms when it is applied to an unsorted list of size n.
 - i) Insertion sort
 - ii) Selection sort
 - iii) Mergesort