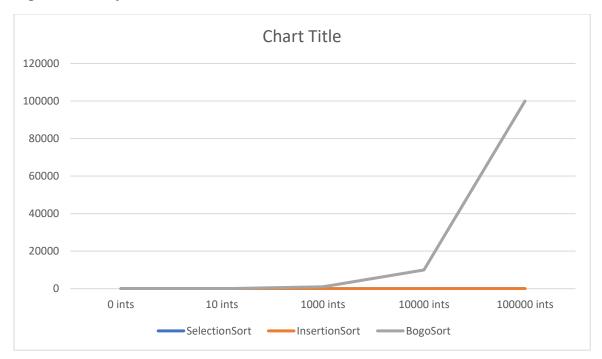
Practical 4

Quick Questions

- 1. Constant
- 2. A sorting algorithm that maintains the relative order of records with equal keys.
- 3. (A)
- 4. a. Quick Sort
 - b. Bubble Sort
 - c. Merge Sort
 - d. Insertion Sort
 - e. Selection Sort
 - f. Heap Sort

Algorithm Analysis



From this graph we can clearly see bogoSort is the least effective sorting method.

SelectionSort = $O(n^2)$

InsertionSort = $O(n^2)$

BogoSort = O((n+1)!)