

Algorithms: Practical 5 Efficient Sorting Algorithms
18400034 Noor Bari

Quick Questions

- 1. Merge sort guarantees to sort an array in linearithmic time, regardless of the input:**
- 2. The main disadvantage of MergeSort is:** it uses extra space in proportion to the size of the input
- 3. Merge sort makes use of which common algorithm strategy?** Divide and conquer
- 4. Which sorting algorithm will take the least time when all elements of the input array are identical?** insertion
- 5. Which sorting algorithm should you use when the order of input is not known?** Merge

Performance of Insertion v Merge Sorts

