

Research individual work

❑ Case study

Your summary should answer the following questions:

- What is it?
- What are the advantages?
- Example we have an array of 50 elements and observe the time it takes to execute in order to sort

❑ Do a research and try to understand the concept, and explain it

❑ Show some examples for demo

❑ Produce a summary report

▪ Some references:

- <https://www.programiz.com/dsa/sorting-algorithm>
- <https://www.geeksforgeeks.org/analysis-of-different-sorting-techniques>
- <https://www.enjoyalgorithms.com/blog/comparison-of-sorting-algorithms>

Different Sorting Algorithms

1. Bubble Sort
2. Selection Sort
3. Insertion Sort
4. Merge Sort
5. Quicksort
6. Counting Sort
7. Radix Sort
8. Bucket Sort
9. Heap Sort
10. Shell Sort

Deadline is: 1 week
Due: 4th November, 1PM