Mindluster Platform

About the course Sorting algorithms for beginners

Sorting algorithms, in this course we will dive into the world of sorting algorithms, essential for organizing and processing data efficiently. Youâ€™ll explore foundational techniques like Bubble Sort, Selection Sort, and Insertion Sort, as well as advanced methods like Quick Sort, Merge Sort, and Heap Sort. Learn how these algorithms work, their use cases, and their computational complexities. Through hands-on examples, weâ€™ll analyze their performance and understand how to choose the right algorithm for different scenarios. This course will equip you with the knowledge to implement and optimize sorting techniques in programming languages like Python, Java, and C++. Perfect for students, developers, and anyone aiming to strengthen their understanding of algorithmic problem-solving and data structures. Whether you're a beginner or want to refine your skills, this course is tailored to help you succeed.

Computer Science Category's Courses

Course Lesson(16)

Lesson 1 : **Bubble Sort 1 Algorithm**

Lesson 2 : **Bubble Sort 2 Pseudocode and Enhancements**

Lesson 3 : **Bubble Sort 3 â€“ VB NET Implementation**

Lesson 4 : **Bubble Sort 4 â€“ VB NET Implementation Enhancements**

Lesson 5 : **Insertion Sort Algorithm**

Lesson 6 : **Insertion Sort Pseudocode**

Lesson 7 : **Insertion Sort VB NET Implementation**

Lesson 8 : **Quicksort 1 â€“ The Algorithm**

Lesson 9 : **Quicksort 2 â€“ Alternative Algorithm**

Lesson 10 : **Quicksort 3 â€“ Recursive Pseudocode**

Lesson 11 : **Quicksort 4 â€“ VB NET Implementation**

Lesson 12 : **Merge Sort 1 â€“ The Algorithm**

Lesson 13 : **Merge Sort 2 â€“ Towards an Implementation Split a List**

Lesson 14 : **Merge Sort 3 â€“ Towards an Implementation Merge Two Lists**

Lesson 15 : **Merge Sort 4 â€“ Towards an Implementation Recursive Function**

Lesson 16 : **Merge Sort 5 â€“ VB NET Implementation**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort



for Business Contact
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