Mindluster Platform

About the course Big O complexity for beginners

Big O complexity, in this course Dive into the fundamentals of Big O complexity, a core concept for evaluating algorithm efficiency. This course covers the key principles of time and space complexity, teaching you how to analyze and optimize algorithms for better performance. Learn about common Big O notations, such as , and understand their implications for real-world applications. Explore examples like searching, sorting, and optimization algorithms, and discover how to identify best, worst, and average-case scenarios. Through hands-on exercises, gain the skills to calculate and compare complexities, ensuring your solutions are scalable and efficient. Whether you're a beginner or an experienced developer, this course equips you with the tools to design, analyze, and optimize algorithms effectively, preparing you for challenges in software development and competitive programming.

Computer Science Category's Courses

Course Lesson(8)

Lesson 1 : **Big O Part 1 â€“ Linear Complexity**

Lesson 2 : **Big O Part 2 â€“ Constant Complexity**

Lesson 3 : **Big O Part 3 â€“ Quadratic Complexity**

Lesson 4 : **Big O Part 4 â€“ Logarithmic Complexity**

Lesson 5 : **Big O Part 5 â€“ Linearithmic Complexity**

Lesson 6 : **Big O Part 6 â€“ Summary of Time Complexities**

Lesson 7 : **Big O**

Lesson 8 : **Big O Part 7 â€“ Space Complexity versus Time Complexity**

Related courses

Linear Algebra for Computer Scientists

Insertion Sort

Bubble Sort

GCSE Computer Science

Random Access Memory

Binary Trees

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