Mindluster Platform

About the course Node based data structures in Java

Course Presenter : 0612 TV w NERDfirst

Node-based data structures in Java, in this course we will learn about the Node-Based Data Structures in Java Course, focusing on understanding and implementing dynamic data structures that use nodes and references. The course begins with the basics of Linked Lists, covering single, doubly, and circular linked lists, followed by advanced structures like Stacks, Queues, and Deques. Youâ€™ll explore the construction and traversal of Trees (Binary Trees, Binary Search Trees, AVL, and Red-Black Trees) and delve into Graphs, learning node-based representations and algorithms. Practical examples and projects will help you apply these concepts to solve real-world problems efficiently. By the end, youâ€™ll gain a strong foundation in designing, coding, and optimizing node-based data structures in Java, preparing you for advanced programming challenges and applications. 0612 TV w NERDfirst

Programming Category's Courses

Course Lesson(11)

Lesson 1 : **Huffman Coding**

Lesson 2 : **Bezier Curves**

Lesson 3 : **Stacks and Queues**

Lesson 4 : **JPEG Encoding Magic Discrete Cosine Transform DCT**

Lesson 5 : **Odd Even Transposition Sort**

Lesson 6 : **Amortized Analysis**

Lesson 7 : **Linked Lists**

Lesson 8 : **Build a queue from two stacks**

Lesson 9 : **Sorting Networks Friday Minis 182**

Lesson 10 : **Node Based Data Structures in Java**

Lesson 11 : **A simple algorithm to speed up repeated summations**

Related courses

React Projects Workshops

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Python programming language

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Full Stack React Django

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