Mindluster Platform

About the course Array data structure

Course Presenter : Telusko

Array data structure, in this course we will learn about the array data structure, how it stores data in contiguous memory locations, and why it is useful for efficient access and manipulation of elements using indexes. You'll explore one-dimensional and multi-dimensional arrays, learn how to perform basic operations like traversal, insertion, deletion, and updating, and implement search and sort algorithms such as linear search, binary search, bubble sort, and selection sort. The course also covers dynamic arrays, array memory management, and comparisons with other data structures like linked lists. You'll practice coding arrays in multiple programming languages including C, C++, Java, and Python. By the end of the course, youâ€™ll have the confidence to solve real-world problems using arrays. Start the Array Data Structure Course today and enhance your algorithmic thinking and programming skills. Telusko

Programming Category's Courses

Course Lesson(30)

Lesson 1 : **What are Data Structures**

Lesson 2 : **Abstract Data Types DSA**

Lesson 3 : **Array Data Structure**

Lesson 4 : **Big O Notation Time Complexity DSA**

Lesson 5 : **Linear Binary Search Code Big O Notation**

Lesson 6 : **Premium Java and spring boot Courses**

Lesson 7 : **Bubble Sort Theory DSA**

Lesson 8 : **Bubble Sort Code in Java DSA**

Lesson 9 : **Selection Sort Theory in Java DSA**

Lesson 10 : **Selection Sort Code in Java DSA**

Lesson 11 : **Insertion Sort DSA**

Lesson 12 : **Insertion Sort Code DSA**

Lesson 13 : **Quick Sort Theory DSA**

Lesson 14 : **Quick Sort Code DSA**

Lesson 15 : **Merge Sort Theory DSA**

Lesson 16 : **Merge Sort Code DSA**

Lesson 17 : **4 Introduction to Linked List Data Structures**

Lesson 18 : **5 Linked List Implementation in Java Part 1 Data Structures**

Lesson 19 : **6 Linked List Implementation in Java Part 2 Data Structures**

Lesson 20 : **7 Linked List Implementation in Java Part 3 Data Structures**

Lesson 21 : **9 What is Stack Theory**

Lesson 22 : **10 Stack Implementation using Java Part 1 Push Pop Peek Methods**

Lesson 23 : **11 Stack Implementation using Java Part 2 Size and isEmpty Methods**

Lesson 24 : **12 Stack Implementation using Dynamic Array in Java**

Lesson 25 : **13 Queue Implementation using Java Part 1 EnQueue**

Lesson 26 : **14 Queue Implementation using Java Part 2 DeQueue Circular Array**

Lesson 27 : **15 Queue Implementation using Java Part 3 isEmpty isFull**

Lesson 28 : **16 Tree Data Structure**

Lesson 29 : **Tree Implementation in Java DSA**

Lesson 30 : **New Course AI Powered DevOps with AWS Live Course**

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