Programlama Dili Hakimiyet Ölçeklendirme

Algoritma ve Code Complexity

- Algoritma Nedir

- Algoritma ve Code Complexity

- Big-O Notation

- Big-O | Omega | Theta

- Big-O Örnekleri

- Scale of Big-O

C Basics

-Easy Problem: Faktörüyel

-Easy Problem: Kelimenin Tersi

-Hard Problem: Array Rotasyonu

-Hard Problem: Array Pairs

Data Structures (Veri Yapıları)

Array (Dizi) Yapısı

-Arrays

-Dynamic Arrays

Stack-Queues-Deques

-Stack

-Queues

-Deque

Linked List

-Linked List

-Doubly Linked List

Recursion

-Recursion

Algorithms (Algoritmalar)

Searching Algorithms

-Sequantial Search

-Binary Search

-Jump Search

-Hashing ve Hash Table

Sorting Algorithms

-Bubble Sort

-Merge Sort

-Insertion Sort

-Selection Sort

-Counting Sort

-Quick Sort

-Heap Sort

Tree Theory

-Tree

-Binary Tree

-Binary Search Tree

Graph Theory

-Grap Theory

-Adjacency List

-Depth First Search (DFS)

-Breadth First Search (BFS)

Dynamic Programming

-Dynamic Programmig

-Dynamic Programming vs Recursion

-Dynamic Programming with Fibonnacci Numbers