Lecture 1 The Stacks and Heaps

* Memory Management in Python
* Stack vs Heap
* Data Flow
* Stack vs Heap Allocation
* Example

Lecture 2 Programming Basics

* Variables, Data Types, Containers
* Functions
* Classes

Lecture 3 Order Complexity

* Data Structures and Algorithms
* Algorithm Complexity Analysis
* Common Algorithms and Complexity

Lecture 4 Linear Data Structures

* Linked List
* Arrays
* Stacks, Queues and Priority Queues
* Hash Tables

Lecture 5 Non-Linear Data Structures

* Trees
* Graphs

Lecture 6 Sorting And Searching