

Physical vs Logical Data Structures

A Logical data structure is meant to deceive the user!

Whereas the physical data structure is actually how the data is being stored.

A physical data structure is the base and a logical data structure just defines the operations that can be performed on that physical data structure and how those operations should be performed.

Operations such as: insertion, deletion, accessing an element, modifying an element, traversing the data structure.

Physical Data Structure

- Array
 - Stores data in contiguous memory locations.
- Linked-List
 - Stores data in dis-continuous memory locations using links.

Logical Data Structure

- Stack
- Queue
- Tree
- Graph
- HashMap
- Hash Table
- Sets

