TOP 10 DATA STRUCTURES THAT EVERY PROGRAMMER MUST KNOW

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1. ARRAY

- ONE-DIMENSIONAL ARRAY
- TWO DIMENSIONAL ARRAYS
- THREE DIMENSIONAL ARRAYS
- STATIC ARRAYS
- DYNAMIC ARRAYS

2. STRING

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3. LINKED LIST

- **SINGLY-LINKED LIST**

- **DOUBLY LINKED LIST**

- **CIRCULAR-LINKED LIST**

4. STACK

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5. QUEUE

- SIMPLE QUEUE
- CIRCULAR QUEUE
- PRIORITY QUEUE
- DOUBLE-ENDED QUEUE

6. TREE

- BINARY TREE
- BINARY SEARCH TREE
- AVL TREE
- B-TREE
- RED BLACK TREE
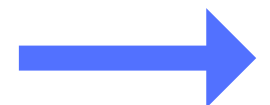- N-ARY TREE

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7. HEAP

- MAX-HEAP
- MIN-HEAP

8. GRAPH

- WEIGHTED GRAPH
- UNWEIGHTED GRAPH

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9. HASH DATA STRUCTURE

10. COMPLEX DATA STRUCTURE

- **SEGMENT TREE**
- **TRIE**

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