

inspired by by @champagnecoder (Explainer https://www.instagram.com/tv/CJyz)													
Topics	Problem Patterns	Study a book Chapter on it	Watch a Lecture on it	Study a pattern	Topic frequency	Level 1 (1-10 Easy-Medium questions)	Level 2 (10-25+ Medium-Hard questions)	Level 3 (35+ medium-hard) (+ Expert on the subject theory)	Can I code it cold? (aka first thing in the morning)	Do I know the Gotchas? (Ex. Limits, Out of Bounds)	Can I answer Hard Questions	How many cards for memorization do I have?	Faced this topic at Mock Interview (N times)
Big O		Not Yet	Not Yet	Not Yet	High					Not yet	Not yet	0	0
Arrays	Sliding Window	Not Yet	Not Yet	Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Two Pointers			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Merge Intervals			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Prefix sum (Kadane's Algorithm)			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Matrix			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Union-Find	Union-Find (Disjoint set)	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Sorts	Insertion sort	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Bucket sort			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Merge sort, Quick Sort, Quick search			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Cyclic Sort			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Linear sorts: Count sort, Radix Sort			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Searching	Binart search	Not Yet	Not Yet	Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Modified Binary Search			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Lists	Fast & Slow Pointers	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Cycle Detection			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	In-place Reversal of a LinkedList			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Heap, Primary queue	Interval problems	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Top 'K' Elements			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Two Heaps			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	K-way Merge			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Stack/Queue	Min/Max/Monotonic Stack/Queue	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Parentheses			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Deque			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Hash tables	Hash functon, universal hash	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Huffman-Encoder			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Rolling Hash			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Binary Tree	BST	Not Yet	Not Yet	Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	BFS			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	DFS			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Tree Traversal (In, Pre, Post)			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Segmented Tree			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Black-Red, B-Tree			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Tree	Subsets	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	N-ary trees			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Graphs	Minimum Spanning Trees/Topological Sort	Not Yet	Not Yet	Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	DFS/BFS on Graph			Not Yet	High	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Shortest path			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Dijkstra			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
Strings	Trie (Trie Traversal)	Not Yet	Not Yet	Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Substring Search (String matching (The Rabin-Karp algorithm))			Not Yet	Medium	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0
	Regex			Not Yet	Low	Backlog	Backlog	Backlog	Not yet	Not yet	Not yet	0	0

