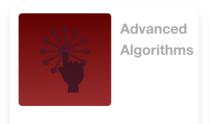


Practice

Roadmap

Courses















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Implement common data structures, algorithms, and design patterns.

Menu

Practice Problems



Quizzes

Search **Python**

Algorithms



♣ Data Structures



Design Patterns

Implement Data Structures

	Status	Problem	Difficulty	
Ī		Design Dynamic Array (Resizable Array)	Easy	
		Design Singly Linked List	Easy	
-		Design Double-ended Queue	Easy	
-		Design Binary Search Tree	Medium	
		Design Hash Table	Medium	
		Design Heap	Medium	
-		Design Graph 🧳	Medium	
_		Design Disjoint Set (Union-Find)	Medium	

tatus	Problem	Difficulty
	Design Segment Tree 🗳	Hard
	Sorting	
tatus	Problem	Difficulty
	Insertion Sort	Easy
	Merge Sort 🗳	Medium
	Quick Sort 🌳	Medium
	Graphs	
tatus	Problem	Difficulty
	Matrix Depth-First Search	Medium
	Matrix Breadth-First Search	Medium
	Dijkstra's Algorithm	Medium
	Prim's Algorithm 🇳	Hard
	Kruskal's Algorithm 🇳	Hard
	Topological Sort 🌳	Hard
	Dynamic Programming	
tatus	Problem	Difficulty
	0 / 1 Knapsack 🗳	Medium
	Unbounded Knapsack 💡	Medium
	Decima Pottowns	
tatus		Difficulty
	Factory Method Pattern	Easy
		Easy
	Builder Pattern 🗳	Easy
		Easy
	Decorator Pattern 🗳	Easy
	Facade Pattern 🗳	Easy
	tatus tatus catus catus	Sorting Sorting Sorting Sorting Sorting Insertion Sort Merge Sort Quick Sort Graphs Satus Problem Matrix Depth-First Search Matrix Breadth-First Search Dijkstra's Algorithm Prim's Algorithm Kruskal's Algorithm Dynamic Programming Satus Problem O / 1 Knapsack Design Patterns Status Problem Singleton Pattern Builder Pattern Adapter Pattern Decorator Pattern

_	Status	Problem	Difficulty
		Strategy Pattern 🇳	Easy
		Observer Pattern 🌳	Easy
			_

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contact: support@neetcode.io

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