

1 CheatSheet: Concurrency & Parallel Programming

INTERVIEW

- PDF Link: [cheatsheet-concurrency-A4.pdf](#), Category: interview
- Blog URL: <https://cheatsheet.dennyzhang.com/cheatsheet-concurrency-A4>
- Related posts: CheatSheet: Leetcode For Code Interview, CheatSheet: Well-Known Papers For IT Industry, #denny-cheatsheets

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1.1 Top 10 Concurrency Problems

Num	Name	
1	Implement a reader-writer locker	Wikipedia: Readers-writers problem
2	Implement a lock-free queue with multiple readers/writers	Github: link
3	Design a thread-safe Hashmap	
4	Design a thread-safe blocking queue	
5	Delayed task scheduling	

1.2 Top 10 Concurrency Coding Problems

Num	Problem	Summary
1	Building H2O	Leetcode: Building H2O
2	Web Crawler Multithreaded	LeetCode: Web Crawler Multithreaded
3	Print Zero Even Odd	Leetcode: Print Zero Even Odd
4	Fizz Buzz Multithreaded	Leetcode: Fizz Buzz Multithreaded
5	Design Bounded Blocking Queue	Leetcode: Design Bounded Blocking Queue
6	The Dining Philosophers	Leetcode: The Dining Philosophers

1.3 More Resources

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