1 Programming Language Implemenetations CheatSheet INTERVIEW

- PDF Link: cheatsheet-language-A4.pdf, Category: interview

- Blog URL: `https://cheatsheet.dennyzhang.com/cheatsheet-language-A4`

- Related posts: Golang CheatSheet, #denny-cheatsheets

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1.1 Languages - Source Code

Name	Summary
Java JDK Source Code	Github: jdk7u-jdk
Golang Source Code	Github: go
Python Source Code	Github: cpython
Redis Source Code	Github: redis
Git Source Code	Github: git
Reference	Link: Java Concurrency Utilities

1.2 Community Design Proposals

Name	Summary
Python Design Proposals	Link: Python PEP Index
Kubernetes Design Proposals	Github: Kubernetes Enhancement Proposals

1.3 Data Structures

Name	Summary
Blocking Queue	
Delayed Queue	
Concurrent Linked Queue	Github: jdk7u-jdk/.../concurrent/ConcurrentLinkedQueue.java
Priority Blocking Queue	Github: jdk7u-jdk/.../concurrent/PriorityBlockingQueue.java
Deque	Github: jdk7u-jdk/.../Deque.java
Bitset	
Garbage Collection	
Concurrent Hash Map	
Sorted Map, Treemap	
Semophore	Github: jdk7u-jdk/.../concurrent/Semaphore.java
Golang channels	
Binary index tree	
API Rate Limiter	
Skiplist	
Bloom filter	
CRDTs (Conflict-Free Replicated Data Types)	

1.4 Functions & Methods

Name	Summary
How string contains() method is implemented	
How sqrt method is implemented	sqrt(x) = 2**k * sqrt(y) Github: ../sqrt.go, Github: ../e$_{\text{sqrt.c}}$
How Thread.sleep() is implemented	
How python enumerate() is implemented?	
How python implements collections.dequeue	Doubly-linked list: Github: python/cpython/.../Modules/$_{\text{collections}}$=module.c

1.5 More Resources

License: Code is licensed under MIT License.
`https://www.language-editor.org/dist/latest/cheatsheet.html`