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, Link: CPython internals: A ten-hour codewalk
Git Source Code	Github: git
Cassandra Source Code	Github: apache/cassandra
Zookeeper Source Code	Github: apache/zookeeper
Reference	Link: Java Concurrency Utilities

1.2 Middleware & DB

Name	Summary
Redis Source Code	Github: redis
MySQL	Github: mysql/mysql-server
Postgres	Github: postgres/postgres
Kafaka	
Spark	

1.3 Community Design Proposals

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

1.4 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
How Golang channel feature is implement?	YouTube: GopherCon 2017: Understanding Channels, Link: Golang Channel
Binary index tree	
API Rate Limiter	
Skiplist	
Bloom filter	
CRDTs (Conflict-Free Replicated Data Types)	

1.5   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$_{sqrt.c}$
How Thread.sleep() is implemented	
How python enumerate() is implemented?	
How python implements collections.dequeue	Doubly-linked list: Github: python/cpython/.../Modules/$_{collections}$=module.c
Java final vs finally vs finalized	

1.6   More Resources

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