

# 1 Programming Language Implementations 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](#)

File me Issues or star this repo.

### 1.1 Languages & Tools

Name	Summary
Java JDK Source Code	Github: <a href="#">jdk7u-jdk</a>
Golang Source Code	Github: <a href="#">go</a>
Python Source Code	Github: <a href="#">cpython</a>
Redis Source Code	Github: <a href="#">redis</a>
Git Source Code	Github: <a href="#">git</a>
Reference	Link: <a href="#">Java Concurrency Utilities</a>

### 1.2 Data Structures

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

### 1.3 Functions & Methods

Name	Summary
How string contains() method is implemented	
How sqrt method is implemented	$\text{sqrt}(x) = 2^{*k} * \text{sqrt}(y)$ Github: <a href="#">../sqrt.go</a> , Github: <a href="#">../esqrt.c</a>
How Thread.sleep() is implemented	
How python enumerate() is implemented?	

### 1.4 More Resources

License: Code is licensed under MIT License.

<https://www.language-editor.org/dist/latest/cheatsheet.html>