**Coding**

<https://www.geeksforgeeks.org/top-20-linked-list-interview-question/>

<https://www.geeksforgeeks.org/compare-two-version-numbers/>

<https://www.geeksforgeeks.org/iterative-letter-combinations-of-a-phone-number/>

<https://www.geeksforgeeks.org/top-50-array-coding-problems-for-interviews/>

https://www.geeksforgeeks.org/top-50-string-coding-problems-for-interviews/

Sliding window type of problem

Leetcode easy problem, medium/hard DP problem, systems design

Implement an incremental count of IP addresses. Keep it simple and then increase it to the top 100 and talk through time and space

**Design**

<https://www.geeksforgeeks.org/caching-system-design-concept-for-beginners/>

Design a chess game then scale the solution to xyc parameters

·      Design APIs for a simple vehicle inventory system – focused on basic REST API operations, requirement analysis and data payload structure design

·      A family has a reunion every year on new Year’s Eve. Determine the number of people that were at the largest family reunion. A "person" is defined as having a name, date of birth, and a date of death (that is null if they're still alive). A family is just a collection of people.

·      An Amazon Go store records the time when a person enters and the time when they leave. Determine the largest number of people in the store over the course of the day.

<https://www.geeksforgeeks.org/find-the-point-where-maximum-intervals-overlap/>

APII

<https://www.baeldung.com/guide-to-okhttp>

<https://www.mocklab.io/blog/which-java-http-client-should-i-use-in-2020/>

<https://restfulapi.net/>

Collections

[How HashMap works in Java (javarevisited.blogspot.com)](https://javarevisited.blogspot.com/2011/02/how-hashmap-works-in-java.html#axzz79icnrcO1)

<https://www.geeksforgeeks.org/analysis-algorithms-big-o-analysis/>

<https://www.baeldung.com/java-algorithm-complexity>

[Time Complexity of Java Collections | Baeldung](https://www.baeldung.com/java-collections-complexity)

[Big-O summary for Java Collections Framework implementations? - Stack Overflow](https://stackoverflow.com/questions/559839/big-o-summary-for-java-collections-framework-implementations)

Java-Memory management

<https://www.baeldung.com/java-memory-management-interview-questions>

<https://www.javatpoint.com/memory-management-in-java>

<https://www.geeksforgeeks.org/java-memory-management/>

<https://www.geeksforgeeks.org/garbage-collection-java/>

<https://www.baeldung.com/java-memory-leaks>

Multi-threading

<https://www.geeksforgeeks.org/singleton-design-pattern/>

[Can Two threads at same time execute two different methods one is static synchronized and second is only synchronized method ? | Toolbox Tech](https://www.toolbox.com/tech/programming/question/can-two-threads-at-same-time-execute-two-different-methods-one-is-static-synchronized-and-second-is-only-synchronized-method-081810/)

Design -pattern

[Double Checked Locking on Singleton Class in Java - Example (javarevisited.blogspot.com)](https://javarevisited.blogspot.com/2014/05/double-checked-locking-on-singleton-in-java.html#axzz7BJqDTKij)

Spring

<https://www.mkyong.com/tutorials/spring-tutorials/>

API related

The connection timeout is the timeout in making the initial connection; i.e. completing the TCP connection handshake. The read timeout is the timeout on waiting to read data1. If the server (or network) fails to deliver any data <timeout> seconds after the client makes a socket read call, a read timeout error will be raised.

[Connection Timeout vs. Read Timeout for Java Sockets | Baeldung](https://www.baeldung.com/java-socket-connection-read-timeout)

[Difference Between Java Keystore and Truststore | Baeldung](https://www.baeldung.com/java-keystore-truststore-difference)