**Important Topics**

* Data Structures And Algorithms
* OOPS Concept
* Operating System
* DBMS

**Data Structure And Algortihms**

**References and Practice:**

* [Geeks For Geeks](https://www.geeksforgeeks.org/)
* [Leetcode](https://leetcode.com/problemset/all/)

**Important Topics**

* Stacks
* Queue
* Linked List
* Trees
* Heap (Priority Queues)
* Sorting Algorithms
* Tries
* Graphs (BFS,DFS,Dijkstra’s,etc)
* Dynamic Programming
* Divide And Conquer

**OOPS**

**References and Practice:**

* [Geeks For Geeks](https://www.geeksforgeeks.org/)
* [Edureka Videos (For Java)](https://www.youtube.com/watch?v=qvf2FMtJPZY&list=PL9ooVrP1hQOHb4bxoHauWVwNg4FweDItZ)

**Important Topics**

* Encapsulation
* Polymorphism
* Inheritance
* Abstraction
* Interface (JAVA)
* Threads
* Class and Objects
* Important Keywords

**Operating System**

**References and Practice:**

* [Gate Smashers Entire Playlist](https://www.youtube.com/watch?v=bkSWJJZNgf8&list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p)
* [Sanchit Jain Entire Playlist](https://www.youtube.com/watch?v=YwqexcfbucE&list=PLmXKhU9FNesSFvj6gASuWmQd23Ul5omtD)
* [Last Minute Notes – Geeks For Geeks](https://www.geeksforgeeks.org/last-minute-notes-operating-systems/)

**Important Topics**

* CPU Scheduling
* Process Synchronisation( Mutex & Semaphores)
* Virtual Memory and Thrashing
* Process vs Threads
* Deadlock
* Memory Management (Paging And Segmentation)

**DBMS**

**References and Practice:**

* [Gate Smashers Entire Playlist](https://www.youtube.com/watch?v=kBdlM6hNDAE&list=PLxCzCOWd7aiFAN6I8CuViBuCdJgiOkT2Y)
* [Sanchit Jain Entire Playlist](https://www.youtube.com/watch?v=eTiP-H9GQ30&list=PLmXKhU9FNesR1rSES7oLdJaNFgmuj0SYV)
* [Last Minute Notes – Geeks For Geeks](https://www.geeksforgeeks.org/last-minute-notes-dbms/)

**Important Topics**

* ACID Properties
* ER Diagram
* Normalization
* Indexing
* B and B+ Trees
* SQL (Syntax)
* SQL JOINS
* SQL query to find nth largest…