

# OPERATING SYSTEM INTERVIEW PREPARATION TOP TOPICS

For any technical interviews, you should have grasp on Operation System concepts. The below list of topics will help you to fast forward your interview preparation and get ahead.

## Tips on preparing from this list

Along with topic name, I've also included link where you can read about it. Do prepare each and every topic from this list.

♥ ♥ If you find this repository useful, do share it with the larger group. For more such content, don't forget to subscribe to my [YouTube channel : MsDeep Singh](#)

[YouTube video link on how you can study from this list in best possible way](#)

## List of topics

1. [what is Operating system?](#)
2. [Types of OS?](#)
3. [OS boot process?](#)
4. [Process? process diagram?, stages of process execution?](#)
5. [Inter process communication](#)
6. [process scheduling](#)
7. [CPU scheduling and algorithms, link2](#)
8. [Process synchronization, link2 - critical section? mutex vs semaphore?](#)
9. [System calls in OS](#)
10. [Deadlock?, deadlock strategies](#)
11. [Deadlock avoidance, Deadlock prevention, Deadlock detection and recovery?](#)
12. [Thread? user level thread vs kernel level thread?](#)
13. [Process vs Thread?, link2](#)
14. [OS Memory management?, Paging?, Virtual Memory? Page Fault handling?](#)
15. [Segmentation?](#)
16. [Page replacement algorithms?, link2](#)
17. [File systems?](#)
18. [File permissions](#)

19. [Disk scheduling algorithm](#)
20. [linux commands](#)
21. [Linux run levels](#)
22. [Cache? cache vs RAM?](#)
23. [Thrashing?](#)
24. [daemon process?](#)
25. [Zombie & orphan process?](#), [link2](#) on how to kill zombie process