

1	<b>Functions of OS??</b> What is Context Switching? What is difference between process and thread? <b>What is a dispatcher?</b>
2	What's the main purpose of an OS? What are the different types of OS?
3	What is a process? What are the different states of a process?
4	What is Kernel and write its main functions? Different types of it? Write difference between micro kernel and monolithic kernel?
5	What are the benefits of a multiprocessor system?
6	What do you mean by Semaphore in OS? Why is it used?
7	Explain demand paging and fragmentation? Internal and External fragmentation?
8	What do you mean by process synchronization? What is Semaphore and its types?
9	What is IPC? What are the different IPC mechanisms?
10	What is a deadlock in OS? What are the necessary conditions for a deadlock?
11	What is different between main memory and secondary memory.
12	What is virtual memory? Virtualization?
13	What is thrashing in OS? What do you mean by Belady's Anomaly? What pre-emptive and non-preemptive scheduling
14	What is the difference between paging and segmentation?
15	What is starvation and aging in OS? What is critical section, Race condition, Mutual Exclusion and its three conditions?
16	What is the difference between multitasking and multiprocessing OS?
17	<b>What are real-time systems?</b>
18	<b>difference between logical and physical address space?</b>
19	<b>What are overlays?</b>
20	<b>What is fragmentation? How does swapping result in better memory management?</b>
21	<b>What is caching?</b>
22	<b>What is the zombie and orphan process?</b>
23	<b>Linux command : Grep, PS etc</b>