Playlist links	Youtube Playlist of Operating System	Youtube
	Nados Playlist of Operating System	Nados
	Interview Questions	Os interview Questions

Topic Name	Sub-Topic Name	Lecture N	Date	Recording Link	Pre-class Notes	Questions Doc	Post -Class Notes
Introduction to OS							
	Need of OS, Goals of OS						
	Functions of OS						
	Kernel overview and System call						
	Types Of Kernel						
	Types of Systems	Lecture 0	14th March	Class 0	Notes -1	Questions	Class Notes-1
Virtualization of CPU (Processes and CPU Scheduling)							
	Intro to Process						
	Stats of Processes						
	Schedulers and Multiprogramming						
	Schedulers (Types)						
	PCB (Process Control Block) and Context Switching						
	Context Switching and Schedulers vs Dispatcher						
	Need for Scheduling						
	Criteria for Scheduling Algorithm	Lecture 1	15th March	Class 1		Questions	Class Notes -2
	Preemptive vs Non-Preemptive						
	Starvation while Scheduling						
	Convoy Effect						
	FCFS(First come first served)						
	FCFS Problem Statement						
	SJF(Shortest Job First)						
	Convoy Effect in SJF						
	Starvation in SJF						
	FCFS vs SJF						
	SRTF(Shortest Remaining time first)	Lecture 2	16th March	Class 2	Notes	Question bank	Class Notes-3
	Introduction to Priority Scheduling						
	Priority Scheduling Non Preemptive						
	Priority Scheduling Preemptive			Class 3 (Part-1)			
	RR(Round Robin)						
	Multi Level Queue						
	Multi Level Feedback Queue Algorithm	Lecture 3	17th March	Class 3 (Part-2)	Notes	Questions Bank	Class Notes-4
Virtualization of Memory (Memory Management)							
	Address Space						
	Memory Management Techniques						
	Fixed Partitioning	Lecture 4	21 March	Class 4			
	Dynamic Partitioning						
	Free Space Management						
	Memory Allocation Techniques	Lecture 5	22 March	Class 5		QA	Class Notes 5 &
	Low Level Mechanisms						
	Intro to Non Contiguous Memory Allocation and Segmentation						
	Address Translation in Segmentation						
	Conversion of Address and Numerical	Lecture 6	23 March	Class 6	https://docs.google.co	QA	https://drive.gooc
	Paging						
	Paging Theory						
	Paging Examples						
	TLB Theory						
	TLB(Advanced) Theory	Lecture 7	24 March	Class 7		QA	https://drive.gooc
	Page Fault						
	Swapping						
	Optimal Page Replacement Algorithm						
	FIFO	Lecture 8	25 March	Class 8			https://drive.gooc
	LRU						
	MRU						
	Thrashing	Lecture 9	28 March	Class 9			https://drive.gooc
Concurrency							
	Concurrency Introduction						
	Code of Concurrency						
	Concurrency Code Analysis & Atomicity			Lecture 10			https://drive.gooc
	Introduction to Synchronization		Lecture 10				
	Semaphores						
	Binary Semaphores						

Playlist links	**Youtube Playlist of Operating System**	**Youtube**					
	Nados Playlist of Operating System	**Nados**					
	Interview Questions	**Os interview Questions**					
Topic Name	**Sub-Topic Name**	**Lecture N**	**Date**	**Recording Link**	**Pre-class Notes**	**Questions Doc**	**Post -Class Notes**
	Counting Semaphores	Lecture 9		Lecture 11		Question Bank	https://drive.goog
	Case Study: Producer-Consumer Problem						
	Case Study: Dining Philosophers Problem & Solution 1 and 2			Lecture 12			https://drive.goog
	Intro to Deadlock						
	Deadlock Explanation						
	Resource Allocation Graph						
	Necessary Conditions for Deadlock						
	Deadlock Prevention			lecture 13 Videos 4.16, 4.17, 4.18, 4.19 and 4.20 are the videos			
	Deadlock Avoidance and Bankers Algorithm						
	Deadlock Recovery and Ignorance	Lecture 10			Notes	Question Bank	https://drive.goog
Persistence (Storage management)							
File, File System and Directory							
	Storage Management						
	File and File Systems						
	Directory						
Disk Allocation Methods					https://docs.google.co		
	Disk Architecture						
	File Allocation Method						
	Contiguous File Allocation Method						
	Linked List File Allocation Method						
	File Allocation Table						
	Indexed File Allocation Method	Lecture 10		lecture 14	https://docs.google.co	Question Bank	https://drive.goog
Disk Scheduling Algorithms							
	Disk Scheduling						
	Basic Terminologies						
	Disk Scheduling						
	FCFS Algorithm						
	SSTF						
	SSTF advantages and disadvantages						
	SCAN						
	SCAN						
	SCAN						
	CSCAN						
	CSCAN						
	LOOK and CLOOK						
	LOOK and CLOOK	Lecture 11		lecture 15	Notes	Question Bank	https://drive.goog
Linux Case Study							
	Linux Case Study	Case Study: Group Activity					