# OPERATING SYSTEM

A list of video lectures

1. Critical Section
2. Deadlock conditions
3. Process Scheduler
4. Shortest Job First CPU Scheduling
5. Shortest Job First Non Preemptive
6. Preemptive SJF CPU Scheduling
7. Non-Preemptive SJF CPU Scheduling
8. SJF Preemptive Revision
9. Shortest Remaining Time First CPU Scheduling
10. Round Robin CPU Scheduling
11. Round Robin Revision
12. FCFS Disk Scheduling
13. Shortest Remaining Time First GATE
14. Scan Disk Scheduling Algorithm
15. C-Look Disk Scheduling
16. C-Scan Disk Scheduling
17. SSTF Disk Scheduling
18. LRU Page Replacement Algorithm
19. Optimal Page Replacement Algorithm
20. Preemptive Non- Preemptive Priority Scheduling
21. Network Operating System
22. Batch Operating System
23. Time Sharing Operating System
24. Fragmentation
25. Paging

26. Mutex
27. Swapping

Related posts:

1. Round Robin revision
2. GATE SRTF | What is the total waiting time for process P2? | Prof. Jayes…
3. SJF Preemptive revision
4. GATE, Context switch calculation in SRTF algorithm | Prof. Jayesh Umre
5. Introduction to Operating Systems
6. Different Types of OS
7. Characteristics and features of an OS
8. Operating sytems services
9. System Calls in OS
10. File Systems
11. How many page faults
12. Process State Diagram
13. Operating System Scheduler
14. FIFO page replacement algorithm
15. LRU page replacement algorithms
16. Optimal page replacement algorithm
17. SRTF shortest remaining time first
18. OS 4
19. OS 3
20. Os 2

21. Os 1
22. CBSE NET 2004 38
23. Cbse net 2004 37
24. Cbse net 2004
25. CBSE Net 2017
26. Ugc net 2017 solved
27. NET 4
28. NET 1
29. Net 28
30. Net 26
31. Net 50
32. Net 49
33. Net 48
34. Net 46
35. Net 44
36. Net 40
37. Net 39
38. GATE, Longest Remaining Time First Algorithm | Prof. Jayesh Umre
39. GATE SRTF | What is the total waiting time for process P2?
40. GATE Calculate Total Waiting Time SRTF algorithm | Prof. Jayesh Umre
41. Deadlock | Conditions | Prof. Jayesh Umre
42. Memory management
43. Concept of Threads
44. Process concept
45. Directory Structure OS
46. Contiguous disk space allocation method
47. File systems

48. Types of os
49. Evolution of os
50. Functions of os
51. Why is operating system a mandatory software?
52. Bankers algorithm problems
53. Diploma Linux Unit 3
54. RGPV Diploma Linnux Unit 2
55. Program to print string in reverse order
56. Program to implement while loop in Linux
57. Program to implement for loop using sequence keyword in Liux
58. Program to implement different types of increment in Linux
59. For loop without in keyword in Linux
60. Program to implement for loop using in keyword in Linux
61. Multiple Processor Scheduling
62. What do you mean by Virtual Memory? Write down its advantages?
63. Compare Paging and Segmentation?
64. What is Process Scheduling, CPU Scheduling, Disk Scheduling? Explain Short, Medium and Long term Scheduler?
65. Explain concept of a process with its components ?
66. Explain the following in brief Contiguous and Linked list allocation for implementing file system?
67. Explain various Disk scheduling algorithms with Illustrations ?
68. Define process and thread. What is PCB ? Explain its various entries with their usefulness ?
69. Discuss advantages and disadvantages of the Buffer cache ?
70. Explain different types of OS with examples of each ?
71. What is an Operating System? Write down its desirable characteristics ?

72. Define a deadlock ? Write down the conditions responsible for deadlock? How can we recover from deadlock ?
73. What are the various services provided by Operating system ?
74. What do you mean by PCB? Where is it used? What are its contents? Explain.
75. What is Binary and Counting semaphores ?
76. What is File? What are the different File attribute and operations?
77. What are System call? Explain briefly about various types of system call provided by an Operating System?
78. Describe necessary conditions for deadlocks situation to arise.
79. What are points to be consider in file system design? Explain linked list allocation in detail?
80. Write a Semaphore solution for dining Philosopher's problem?
81. Consider the following page reference string:1,2,3,4,5,3,4,1,2,7,8,7,8,9,7,8,9,5,4,5. How many page faults would occur for the following replacement algorithm, assuming four frames:a) FIFOb) LRU
82. Explain CPU schedulers in operating system?
83. Write the different state of a process with the help of Process state deagram?
84. What is Mutex in operating system?
85. Explain Network operating system?
86. What do you mean by paging in operating system ?