

CECSC09/CACSC09/MCCSC09 Operating Systems

List of Experiments

1. Practice Linux shell commands.
2. Write C programs using `fork()`, `getpid()`, `getppid()` and `exec()` system calls.
3. Write a C program to represent a family of processes as a tree.
4. Write a program to simulate FCFS CPU scheduling algorithm.
5. Write a program to simulate SJF scheduling algorithm.
6. Write a program to simulate pre-emptive Priority scheduling algorithm.
7. Write a program to simulate Round Robin scheduling algorithm.
8. Write a program to simulate Multilevel Feedback Queue scheduling algorithm.
9. Write a program to simulate deadlock avoidance.
10. Write a program to simulate deadlock detection.
11. Write a program to simulate best-fit contiguous memory allocation.
12. Write a program to simulate FIFO page replacement algorithm.
13. Write a program to simulate LRU page replacement algorithm.
14. Write a program to simulate Second Chance page replacement algorithm.
15. Write a program to simulate Enhanced Second Chance page replacement algorithm.
16. Write a program to simulate LFU page replacement algorithm.
17. Write a program to simulate FCFS disk scheduling algorithm.
18. Write a program to simulate SSTF disk scheduling algorithm.
19. Write a program to simulate C-SCAN disk scheduling algorithm.
20. Write a program to simulate LOOK disk scheduling algorithm.