**Operating System Practical List**

1. Write a program to implement producer-consumer problem using semaphore.
2. Write a program to implement the concept of dining philosopher problem.
3. Write a program to simulate following scheduling algorithm.
4. FCFS
5. SJF
6. Round Robin

For each of the algorithm finds out turnaround time and waiting time

1. Write a program to simulate bankers’ algorithm
2. Simulate paging technique of memory management
3. Write a program to simulate first bit, best bit and worst fit memory allocation technique
4. Write a program to simulate FIFO page replacement algorithm
5. Write a program to simulate LRU page replacement algorithm
6. Write a program to simulate optimal page replacement algorithm
7. Write a C program to simulate following file organization techniques
8. Single level directory
9. Two level directories
10. Hierarchical directory
11. Write a program to simulate file allocation strategy
12. Sequential
13. Indexed
14. Linked
15. Write a C program to simulate disk scheduling algorithm
16. FCFS
17. SCAN
18. LOOK
19. CLOOk

Submission date: up to last day of regular class