

MCA (2 years course) → II sem

O.S. Practical Q.B.

~~Os lab code: 11400~~

~~Operating Systems Lab list of programs for Mca 2 yrs course~~

1.

a) Shell Programs

Print Multiplication table of a given no. using all loop

Perform all arithmetic operations

Print the type of a file

Rename all files whose names end with .c as .old.

Display the no. of lines in each of text file in a given dir

2.

b) AWK Programs

Find the total

Find sales.

Find department sales

Find the list of items

Find the larger value

3. Demonstrate the usage of system calls-fork, wait, exec, exit

4. Write program using open, read, write, close system calls

5. Simulate FCFS scheduling algorithm.

6. Simulate SJF scheduling algorithm.

7. Simulate SRTF scheduling algorithm

8. Simulate Round Robin algorithm.

9. Simulate Priority Non Pre-emptive algorithm

10. Simulate Priority Pre-emptive algorithm

11. Simulate Worst Fit Contiguous Memory Allocation Technique.

12. Simulate Best Fit Contiguous Memory Allocation Technique.

13. Simulate First Fit Contiguous Memory Allocation Technique

14 .Simulate MVT technique

15. Simulate MFT technique

16. Bankers Algorithm Safety Sequence.

17. Bankers Algorithm Resource Request.

18. Simulate Optimal Page Replacement Algorithm.

19. Simulate LRU Page Replacement Algorithm.

20. Simulate FIFO Page Replacement Algorithm.

21. Simulate FCFS disk scheduling algorithm.

22. Simulate SCAN disk scheduling algorithm.

23. Simulate CSCAN disk scheduling algorithm.

24. Simulate Producer Consumer Problem Using Semaphores.

25. Simulate Dining Philosopher Problem Using Semaphores.

26. Simulate Readers Writers Problem Using Semaphores.

27. Simulate Sequential File Allocation Strategy.

28. Simulate Indexed File Allocation Strategy.

29. Simulate Linked File Allocation Strategy.

30.What is the file handling commands, directory handling commands and general purpose commands show in practically.