List of Practical Assignments

Sr. No.	Title of the Experiment/Assignment
1	Write a program to implement an address book using shell programming
2	Process control system calls: The demonstration of FORK and WAIT system calls along with zombie and orphan states.
3	Process control system calls: The demonstration of EXECVE system calls along with zombie and orphan states.
4	Implement the C program for CPU Scheduling Algorithms: Shortest Job First (Preemptive) with different arrival time.
5	Implement the C program for CPU Scheduling Algorithms: Round Robin with different arrival time.
6	Thread synchronization using counting semaphores. Application to demonstrate: producer-consumer problem with counting semaphores and mutex.
7	Thread synchronization and mutual exclusion using mutex. Application to demonstrate: Reader-Writer problem with reader priority.
8	Implement the C program for Deadlock Avoidance Algorithm: Bankers Algorithm.
9	Implement the C program for Page Replacement Algorithms: Least Rescent Use for frame size as minimum three.
10	Implement the C program for Page Replacement Algorithms: Optimal for frame size as minimum three.
11	Inter process communication in Linux using FIFO.
12	Inter process communication in Linux using Shared Memory.
13	Implement the C program for Disk Scheduling Algorithms: SSTF considering the initial head position moving away from the spindle.
14	Implement the C program for Disk Scheduling Algorithms: SCAN considering the initial head position moving away from the spindle.
15	Implement the C program for Disk Scheduling Algorithms: C-Look considering the initial head position moving away from the spindle.