

3. LIST OF EXPERIMENTS (As prescribed by G.G.S.I.P.U)

Paper Code: ETCS-352

L T/P C

Paper: Operating Systems (Linux Programming and Administration) Lab 0 2 1

List of Experiments:

1. Write a program to implement CPU scheduling for first come first serve.
2. Write a program to implement CPU scheduling for shortest job first.
3. Write a program to perform priority scheduling.
4. Write a program to implement CPU scheduling for Round Robin.
5. Write a program for page replacement policy using a) LRU b) FIFO c) Optimal.
6. Write a program to implement first fit, best fit and worst fit algorithm for memory management.
7. Write a program to implement reader/writer problem using semaphore.
8. Write a program to implement Banker's algorithm for deadlock avoidance.

NOTE: - At least 8 Experiments out of the list must be done in the semester.

4. LIST OF EXPERIMENTS (Beyond the syllabus)

Paper Code: ETCS-352

L T/P C

Paper: Operating Systems (Linux Programming and Administration) Lab 0 2 1

List of Experiments:

1. Installation of Linux operating system.
2. Introduction of Basics Files, directories, system Commands of Linux.
3. i) Write a script to find the greatest of three numbers (numbers passed as command line parameters) ii) Write a script to check whether the given no. is even / odd iii) Write a script to check whether the given number is prime or not iv) Write a script to check whether the given input is a number or a string
v) Write a script to compute no. of characters and words in each line of given file
4. i) Write a script to calculate the average of n numbers ii) Write a script to print the Fibonacci series up to n terms iii) Write a script to calculate the factorial of a given number iv) Write a script to calculate the sum of digits of the given number
v) Write a script to check whether the given string is a palindrome