

Operating System Laboratory List

Experiment No: 01

Experiment Name:

- (i) Simulate the following CPU scheduling algorithms: FCFS
- (ii) How do you update the system packages in Linux?
- (iii) How do you install a package in Linux?
- (iv) How do you remove a package in Linux?
- (v) How do you display the manual page for a command in Linux?
- (vi) How do you display the list of installed packages in Linux?

Experiment No: 02

Experiment Name:

- (i) Simulate the following CPU scheduling algorithms: Non-Preemptive Priority.
- (ii) How do you create a new directory in Linux using the mkdir command in Linux?
- (iii) How do you navigate to the parent directory using the cd command in Linux?
- (iv) How do you change the permissions of a file or directory using the chmod command in Linux?

(v) How do you shutdown the system in Linux?

(vi) How do you restart the system in Linux?

Experiment No: 03

Experiment Name:

(i) (i) Simulate the following CPU scheduling algorithms: Preemptive Priority.

(ii) How do you create a new user in Linux?

(iii) How do you delete a user in Linux?

(iv) How do you change the password of a user in Linux?

(v) How do you add a user to a group in Linux?

(vi) How do you remove a user from a group in Linux?

(vii) How do you display the members of a group in Linux?

Experiment No: 04

Experiment Name:

(i) Simulate the following CPU scheduling algorithms: SJF

(ii) How do you give read, write, and execute permissions to a file or directory in Linux?

(iii) How do you remove read, write, and execute permissions from a file or directory in Linux?

(iv) How do you delete a file using the rm command in Linux?

(v) How do you change the permissions of a file or a directory in Linux?

(vi) How do you display the permissions of a file or a directory in Linux?

Experiment No: 05

Experiment Name:

(i) Simulate the following CPU scheduling algorithms. a) SRTF

(ii) How do you display the contents of a file using the cat command in Linux?

(iii) How do you copy a file from one location to another using the cp command in Linux?

(iv) How do you create a new file in Linux?

(v) How do you display the contents of a file on the screen in Linux?

(vi) How do you display the IP address of the machine in Linux?

Experiment No: 06

Experiment name:

(i) Simulate the following CPU scheduling algorithms. Round Robin

(ii) How do you list all the files in the current directory in Linux?

(iii) How do you create a new directory in Linux?

(iv) How do you change file permissions in Linux?

(v) How do you remove a package in Linux?

- (vi) How do you update the system in Linux?
- (vii) How do you upgrade the system in Linux?

Experiment No: 07

Experiment Name:

- (i) Simulate the bankers' algorithm for deadlock avoidance.
- (ii) How do you display the current date and time in Linux?
- (iii) How do you display the current working directory in Linux?
- (iv) How do you create a new user account in Linux?
- (v) How do you change the password for a user account in Linux?
- (iv) How do you display the current user name in Linux?

Experiment No: 08

Experiment Name:

- (i) Simulate Bankers Algorithm for Dead Lock Prevention.
- (ii) How do you move a file to a different directory in Linux?
- (iii) How do you copy a file to a different directory in Linux?
- (iv) How do you delete a file in Linux?
- (v) How do you delete a directory in Linux?
- (vi) How do you rename a file in Linux?