

35235 –LINUX PRACTICAL

DETAILED SYLLABUS

OBJECTIVES

On completion of the following exercises, the students must be able to

- Login and logoff Procedures
- Use of General purpose commands
- Explain the use of simple filters and advanced filters.
- Know the details of process status
- Use Various communication Commands
- Search patterns
- Use of shell scripts
- Define the elements of the shell script
- Write shell script for various problems.

LAB EXERCISES

PART – A LINUX COMMANDS

Write down the syntax and usage of the following exercise with all options. Check the commands with the system

1.
 - a) Logon to LINUX and logoff.
 - b) Usage of directory management commands: ls, cd, pwd, mkdir, rmdir
 - c) Usage of File Management commands: cat, chmod, cp, mv, rm, more, file commands
2. Use the general purpose commnds: wc, od, lp, cal , date, who , tty ,ln
3. Using the simple filters: pr, head, tail, cut, paste, nl, sort
4. Advanced filters : Search for a pattern using grep, egrep & fgrep
5. To know the details of process status- pscommand , Process management commands: &,nohup, kill, nice
6. Communication Commands: news, write, mail, wall, calendar
7. Device pattern using meta character to match each of the following situation:-
 - a. All two character filenames.
 - b. All filenames consisting of two lowercase letters.
 - c. All filenames ending with c.

- d. All filenames beginning with a c and ending with a digit.
- e. All filenames beginning with p and having at somewhere.

PART – B SHELL SCRIPTS

1. Write a shell-script that accepts a numerical value N. Then display the decrementing value of N till it reaches 0.
2. Write a shell-script that takes three command line arguments. The first argument is the name of the destination file and the other two arguments are names of files to be placed in the destination file.
3. Write a Shell script to print contents of file from given line number to next given number of lines
4.
 - a) Shell script to say Good morning/Afternoon/Evening as you log in to system
 - b) Write a shell-script that print out date information in this order: time, day of the week, day number, year – that is like this. 21:18:00 IST Thu 4 Feb 2016
5. Write a shell-script that tells you its name and PID
6. Develop a Basic math Calculator using case statement
7. Write a shell-script that presents a multiple-choice question, gets the user's answer and report back whether the answer is right, wrong or not one of the choices.
8.
 - a) Write script to determine whether given file exist or not, file name is supplied as command line argument, also check for sufficient number of command line argument
 - b) Write a shell-script that takes a command line argument and reports on whether it is a directory, a file or something else.