lab1

Using sed utility

1- Display the lines that contain the word "lp" in /etc/passwd file.

sed -n '/lp/p' /etc/passwd

2- Display /etc/passwd file except the third line.

sed '3d' /etc/passwd

3- Display /etc/passwd file except the last line.

sed '$d' /etc/passwd

4- Display /etc/passwd file except the lines that contain the word "lp".

sed '/lp/d' /etc/passwd

5- Substitute all the words that contain "lp" with "mylp" in /etc/passwd file.

sed 's/lp/mylp/g' /etc/passwd

Using awk utility

1- Print full name (comment) of all users in the system.

awk -F':' '{print $5}' /etc/passwd

2- Print login, full name (comment) and home directory of all users.(Print each line preceded by a line number)

awk -F':' '{print NR, $1, $5, $6}' /etc/passwd

3- Print login, uid and full name (comment) of those uid is greater than 500

awk -F':' '$3 > 500 {print $1, $3, $5}' /etc/passwd

4- Print login, uid and full name (comment) of those uid is exactly 500

awk -F':' '$3 == 500 {print $1, $3, $5}' /etc/passwd

5- Print line from 5 to 15 from /etc/passwd

awk 'NR>=5 && NR<=15' /etc/passwd

6- Change lp to mylp

awk '{gsub(/lp/, "mylp"); print}' /etc/passwd

7- Print all information about greatest uid.

awk -F':' 'max < $3 {max=$3; line=$0} END{print line}' /etc/passwd

8- Get the sum of all accounts id's.

awk -F':' '{sum+=$3} END{print sum}' /etc/passwd