Activity2: 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 fileUsing

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

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 $7,$5,$6}' /etc/passwd

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

awk -F : '$3>500 {print $7,$3,$6}' /etc/passwd

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

awk -F : '$3==500 {print $7,$3,$6}' /etc/passwd

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

awk 'NR>=5 && NR<=15 {print $0}' /etc/passwd

6-Change lp to mylp

awk '$0 ~ /lp/ {gsub("lp","mylp"); print $0;}' /etc/passwd

7-Print all information about greatest uid.

awk -F : 'BEGIN {max = 0} {if ($3>max) max=$3} END {print $0}' /etc/passwd

8-Get the sum of all accounts id’s.

awk -F : 'BEGIN {sum = 0} {sum=sum+$3} END {print sum}' /etc/passwd