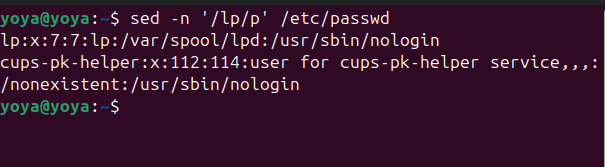
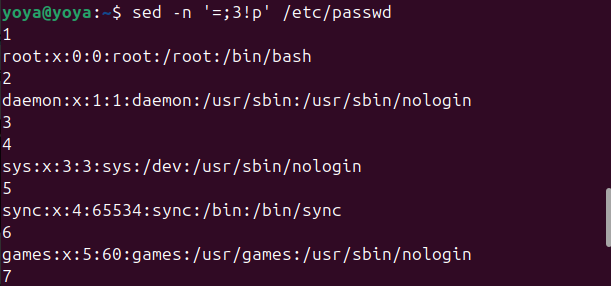
1- Display the lines that contain the word “lp” in /etc/passwd file.

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

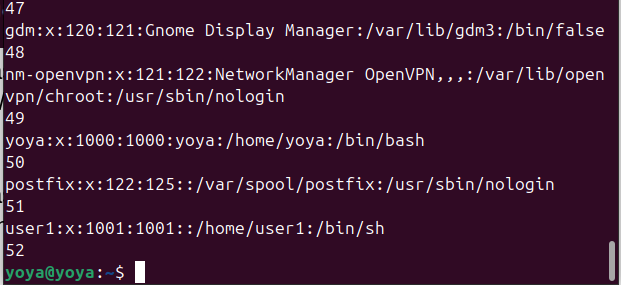


2- Display /etc/passwd file except the third line.

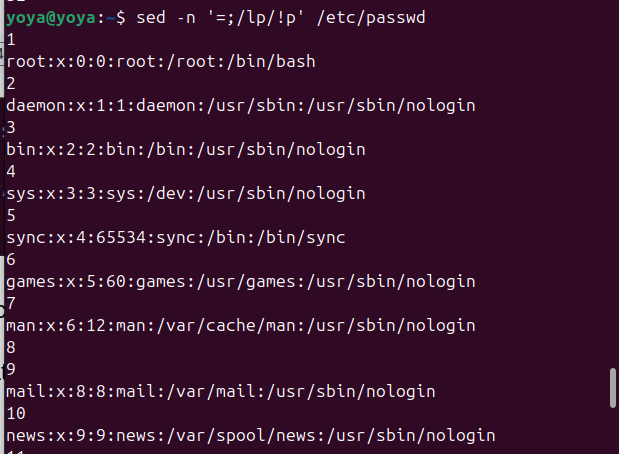


3- Display /etc/passwd file except the last line.

sed -n '=;$!p' /etc/passwd

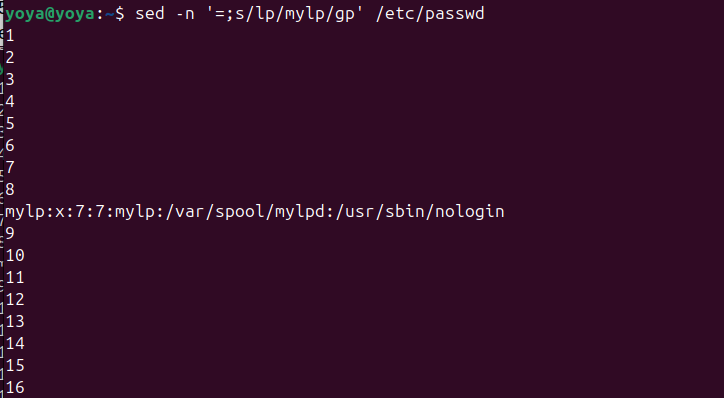


4- Display /etc/passwd file except the lines that contain the word “lp”.



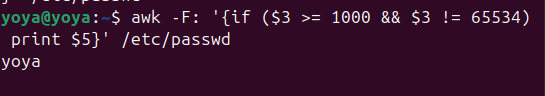
5- Substitute all the words that contain “lp” with “mylp” in /etc/passwd file.

ed -n '=;s/lp/mylp/gp' /etc/passwd

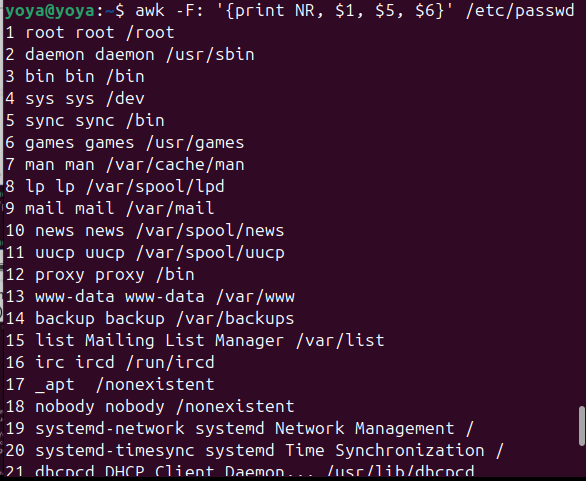


Using awk utility

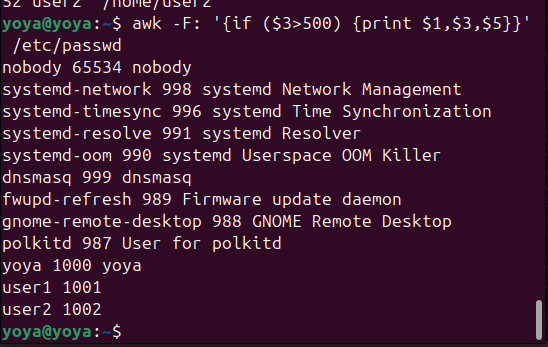
1- Print full name (comment) of all users in the system.



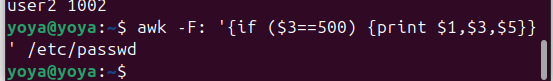
2- Print login, full name (comment) and home directory of all users.( Print each line preceded by a line number)



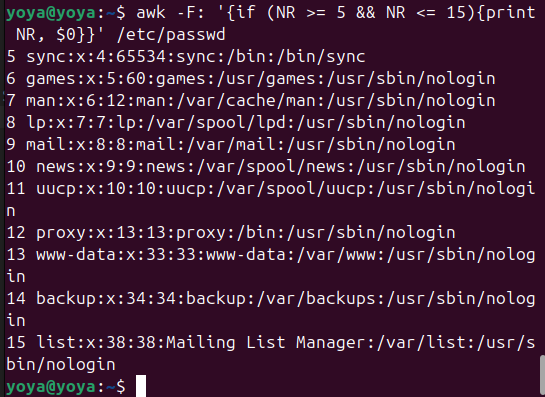
3- Print login, uid and full name (comment) of those uid is greater than 500



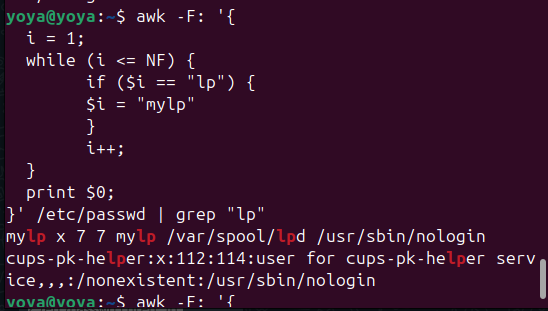
4- Print login, uid and full name (comment) of those uid is exactly 500



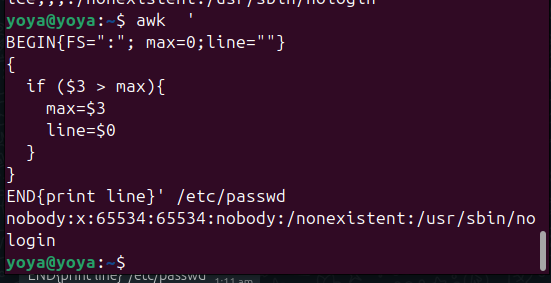
5- Print line from 5 to 15 from /etc/passwd



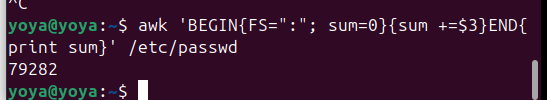
6- Change lp to mylp



7- Print all information about greatest uid.



8- Get the sum of all accounts id’s.

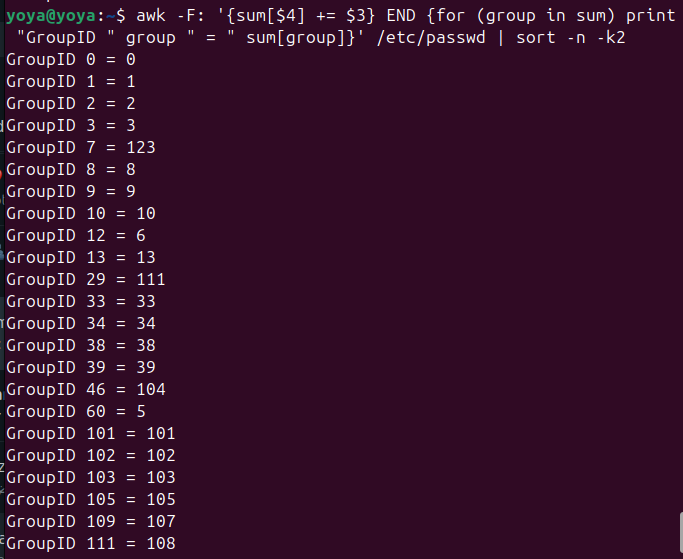


**Bonus**

**1-**

awk -F: '{sum[$4] += $3}

END {for (group in sum) print "GroupID " group " = " sum[group]}' /etc/passwd | sort -n -k2



**2-**

awk -F: 'BEGIN{print "User-Group-Report"} {if(NR==1){print "Group1 Name"} else if(NR==3) {print "Group2 Name"}; print $0}' ./users

