**awk:**

awk is grand daddy of all text processing filters.

>> $1, $2 etc represents the first column, 2nd column of the output of a piping program like who or ls -l etc. or they are the tokens from the each line of the input to awk program.

>> **who | awk '{print $1,"is the name."}'**

>> **ps -ef | awk '{print $8}'** --> it will print the names of the processes.

>> **ps -ef | grep java |awk '{print $1}'| xargs kill -9** --> this will kill the java processes.

>> by default the token seperator is space or tab. but we can explictity tell what the separator is with -F option.

>> awk -F : '{print $1,"home:",$6}' /etc/passwd

>> awk -f scriptfile inputfile --> the awk commands in scriptfile and the inputfile has the data on which the awk commands works.

>> awk -F: '{printf("%-12s%20s\n",$1,$6)}' /etc/passwd --> the first token will be left justfied and it will be embedded in 12 palce holders and the 4th token will be embedded in 20 placeholders and it is right justfied. see the below output.

root /root

daemon /usr/sbin

bin /bin

sys /dev

sync /bin

mail /var/spool/mail

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