**How to show only a given line or range of lines?**

sed -n '1p' file\_name

sed -n '1,5p' file\_name

sed -n '$p' file\_name

-n: it prevents sed from printing each line of the file by default).

p: This tells sed to print the lines that match the pattern.

**How to see all the users from India Country?**

sed -n '/India/p' file\_name

-n: it prevents sed from printing each line of the file by default).

p: This tells sed to print the lines that match the pattern.

**How to use multiple expression in sed command?**

Example: If you wanna only see 2 and 5th line

sed -n -e '2p' -e '5p' file\_name

-n: it prevents sed from printing each line of the file by default).

p: This tells sed to print the lines that match the pattern.

-e '2p': The -e option allows you to specify an editing command.

'2p' tells sed to print the 2nd line.

**How to see all the users from India and Germany?**

sed -n -e '/India/p' -e '/Germany/p' file\_name

**How to see next 4 lines from 2nd line?**

sed -n ‘2,+4p’ file\_name

**How to see every 2nd line from first line?**

sed -n ‘1~2p’ file\_name

**How to read expression from external file?**

sed -f ex\_filefile\_name

Ex:

cat>>pattern.txt

s/unix/linux/g

sed -f pattern.txt index.txt

**How to replace a word in a file and show?**

sed 's/<string\_to\_change>/<new\_string>/g' file\_name

**How to replace a word in a file and show except a given line**

**or only in given line?**

sed '5 s/<string\_to\_change>/<new\_string>/g' file\_name

sed '5! s/<string\_to\_change>/<new\_string>/g' file\_name

**How to replace a word and and edit in your file?**

sed -i's/<string\_to\_change>/<new\_string>/g' file\_name

**How to change salary or country of a user (Paul)?**

sed '/Paul/ s/25000/35000/g' file\_name

sed '/Paul/ s/India/US/g' file\_name

**How to delete a line?**

sed '1d' file\_name (to delete first line)

sed '1,2d' file\_name

sed '$d' file\_name

**How to delete user from India country?**

sed ‘/India/d’ file\_name

**How to delete empty line?**

sed '/^$/d' file\_name

**How to replace tab with space?**

sed 's/\t/ /g' file\_name

**How to add new line after a given line no.?**

sed '5 a new\_text' file\_name

**How to add new line after a given string, so it will add text after Paul?**

sed '/Paul/ a new\_text' file\_name

**How to edit existing line instead of adding new line?**

sed '5 c new\_text' file\_name (it will add text at line 5)

**How to add new line before a given string, so it will add text before Paul?**

sed '/Paul/ i new\_text' file\_name

sed '2 i new\_text' file\_name

**How to see the hidden characters?**

sed -n 'l' file\_name

**How to wrap your file content with given no. of characters?**

sed -n 'l 50' file\_name

**How to read content from a file and use in our command?**

sed '3 r externalfile' file\_name

**How to stop execution of sed command as soon as first occurance found?**

sed ‘/India/ q’ file\_name

sed ‘5 q’ file\_name (stop execution at line 5)

**How to provide exit status for your sed command?**

sed ‘/India/ q 100’ file\_name

**How to execute external command line date in your expression?**

sed '2 e date' file\_name

**How to see the line number in file?**

sed '=' file\_name

**SED Regular Expressions**

**^ start of line**

**$ end of line**

**. single character**

**[] match character set**

**[^] exclusive Set**

**\* zero or more occurance**

examples:

sed -n '/^2/p' file\_name

sed -n '/ia$/p' file\_name

**How to find a 5 letter name which start with S and end with a?**

sed -n '/^S...a$/p' names

**How to find names start with V?**

sed -n '/^V/p' names

**How to find names end with a?**

sed -n '/a$/p' names

**How to use wild card?**

ls -ltr \*.txt

**How to see names start with only A and C?**

sed -n '/[AC]/p' names

sed -n '/[AC]/p' names

**How to see names start with only A to D?**

sed -n '/^[A-D]/p' names

**POSIX Classes**

Example: sed -n '/[[:alpha:]]/p' index.txt

[:alnum:]

[:alpha:]

[:digit:]

[:blank:]

[:lower:]

[:upper:]

[:punct:]

[:space:]