SED commands We can use sed command to retrieve and edit data present in the given file.

SED command has 3 options (p-Print, d-delete and s-substitute)

1) Display Specific Line Multiple Times: $ sed '2p' emp.dat p means print. It will display total file content but 2nd line will be displayed 2 times.

2) Display only specific Line: $ sed -n '3p' emp.dat It will display only 3rd line

3) Display Last Line: $ sed -n '$p' emp.dat $ means last line

4) Display Multiple Lines in Range: $ sed -n '2,4p' emp.dat it will display from 2nd to 4th lines.

5) Display all Lines except specific Line: $sed -n '2!p' emp.dat It will display all lines except 2nd line

6) Display all Lines except Range of Lines: $sed -n '2,4!p' emp.dat It will display all lines except 2 to 4.

Note: We can use cut command to read data column wise, where as we can use sed command to read row wise data.

7) Display all Lines having specific Word: $ sed -n '/admin/p' emp.dat It will display all lines which contains admin.

8) Deleting Data Present in the File: To Delete a Particular $ sed '3d' emp.dat d means deletion While displaying records, it will delete 3rd record. But this line won't be deleted in the

$ sed '$d' emp.dat While displaying records, it will delete last record. But this line won't be deleted in the file.

$ sed '1d' emp.dat While displaying records, it will delete first record. But this line won't be deleted in the file.

9) To Delete a Permanently in the File:

$ sed -i '5d' emp.dat -i meant for deleting record permanently in the file. This command won't display anything to the console but 5th record in the file will be deleted.

C) To Delete Range of Lines:

$ sed -i '1,$d' emp.dat It will delete all records from 1st to last in the file. Now file will become empty. (To delete range of records)

D) To Delete specified Lines:

$ sed -i '1d > $d' emp.dat After 1d we are using enter key. It will delete first and last records.

9) Replacing Data Present in the File:

We have to use s option. s means substitute.

9.1. $sed 's/durga/linux/g' demo.txt It will replace all occurrences of durga with linux while displaying the content. It won't modify file content.

9.2. $sed 's/durga/linux/' demo.txt It will replace only first occurrence in every line of durga with linux while displaying thecontent. It won't modify file content.

9.3 g option g means global means every occurrence

without g only first occurrence in every line.

9.4. $ sed 's/DURGA/linux/gi' demo.txt While performing replacement to ignore case.

9.5. $ sed -i 's/DURGA/linux/gi' demo.txt To replace permanently in the file. This command won't display anything to the console.

9.6. $ sed -i 's/^$/I Like Sunny/g' demo.txt It replaces every blank line with 'I Like Sunny'

9.7. $ sed -i 's/\<sunny\>//gi' demo.txt It deletes every occurrence of sunny in the file. Here case won't be considered.

9.8. $ sed -i 's/\<[0-9][0-9][0-9]\>//g' demo.txt It will delete all 3-digit words