**Filter related commands:**

**1. Grep (global regular expression print)**

--It is used to search particular pattern or regular expression

**Syntax**: $grep ‘option’ filename

Ex-Grep ‘pune’ city

grep -n ‘pune’ city (It will display the line no in which pattern is present)

grep -i ‘pune’ city (It will ignore the upper case and lower case in pattern)

grep -c ‘pune’ city (It will count how many time the pattern is present in a file)

grep -v ‘pune’ city (It will display only those lines where the pattern is not present)

grep ‘^$’ city( It will display empty line)

grep ‘pune’ city && grep ‘city’ city (It will display 2 different pattern search)

grep –r ‘pune’.\* (suppose we don’t know file name)

grep –r ‘pune’ city F2 (I multiple file name)

**2.Sort**

To display content from a file in ascending and descending order

**Syntax**-Sort number (Ascending)

**Syntax**-Sort –r number(Descending)

**3.gzip**

The gzip command is used to truncate the file size. It is a compressing tool. It replaces the original file by the compressed file having '.gz' extension.

**Syntax gzip F1**

**4.gunzip**

The gunzip command is used to decompress a file. It is a reverse operation of gzip command.

**Syntax- gunzip F1**

**Q. How to display empty line from file?**

**Q. How to search two different patterns from 1 file?**

**Q. How to search 1 pattern from two different file?**

**Q. How to search pattern when we don’t know file name?**

**Q. For what purpose sort command is used?**

**Q. When we compress in which extension file is going to save?**