**Execute the following scenarios by using grep**

1. Execute grep with all options especially (v, n, i, c, el, A, B, w, h, o)

[cloudera@quickstart Desktop]$ cat>f1

cse

vnr

vjiet

hyderabad

[cloudera@quickstart Desktop]$ grep -v 'e' f1

vnr

[cloudera@quickstart Desktop]$ grep -n 'e' f1

1:cse

3:vjiet

4:hyderabad

[cloudera@quickstart Desktop]$ grep -i 'e' f1

cse

vjiet

hyderabad

[cloudera@quickstart Desktop]$ grep -c 'e' f1

3

[cloudera@quickstart Desktop]$ cat >f2

Nalini

srinivas

hemanth

neerja

[cloudera@quickstart Desktop]$ grep -e 'e' -e 'i' f2

Nalini

srinivas

hemanth

neerja

[cloudera@quickstart Desktop]$ grep -w 'hemanth' f1 f2

f2:hemanth

[cloudera@quickstart Desktop]$ grep -h 'e' f1 f2

cse

vjiet

hyderabad

hemanth

neerja

[cloudera@quickstart Desktop]$ cat >f2

vnr

vjiet

pinky

[cloudera@quickstart Desktop]$ grep -o 'vnr' f1 f2

f1:vnr

f2:vnr

1. Searching for a string in multiple files

[cloudera@quickstart Desktop]$ grep -e 'vnr' f1 f2

f1: vnr

f2: vnr

1. Searching for a sting in all files recursively.

[cloudera@quickstart Desktop]$ grep -r 'iphone' \*

f4:iphone

f5:iphone

f6:iphone

1. Displaying the non-empty lines.

[cloudera@quickstart Desktop]$ grep -v -e '^$' f2

apple

banana

rose

flower

monkey

1. Displaying the position of the matched string in the line

[cloudera@quickstart Desktop]$ grep -b -o 'iphone' f1

f1:24:iphone

1. Matching the lines that start with a string

[cloudera@quickstart Desktop]$ grep -e '^data' f1

data analytics

data mining

1. Matching the lines that end with a string.

[cloudera@quickstart Desktop]$ grep -e 'resource$' f1

economic resource

domestic resource

1. Searching multiple patterns using fgrep

[cloudera@quickstart Desktop]$ fgrep -e 'data' -e 'resource' f1

data analytics

data mining

economic resource

domestic resource

1. Searching multiple patterns using egrep

[cloudera@quickstart Desktop]$ egrep 'data|resource' f1

data analytics

data mining

economic resource

domestic resource

1. Searching common substring of two or more different strings using egrep.

[cloudera@quickstart Desktop]$ egrep -i 'ata' f1

data analytics

data mining

**Execute the following scenarios by using sed utility**

Execute the following scenarios by using sed utility.

1. Viewing a range of lines of a document.

[cloudera@quickstart Desktop]$ sed –n '1,4p' f1

cse

vnr

vjiet

hyderabad

1. Viewing the entire file except a given range.

[cloudera@quickstart Desktop]$ sed -n '1,10!p' f1

data mining

economic resource

domestic resource

1. Viewing non-consecutive lines and ranges

[cloudera@quickstart Desktop]$ sed -n -e '1p;3p;5p' -e '9p;11p' f1

cse

vnr

vjiet

iphone

data mining

1. Deleting a particular line

[cloudera@quickstart Desktop]$ sed '2d' f1

1

3

4

5

1. Deleting the last line

[cloudera@quickstart Desktop]$ sed '$d' f1

1

2

3

4

1. Deleting a range of lines

[cloudera@quickstart Desktop]$ sed '3,5d' f1

1

2

1. Delete from particular line to last line

[cloudera@quickstart Desktop]$ sed '3,$d' f1

1

2

1. Deleting pattern matching line

[cloudera@quickstart Desktop]$ sed '/not/d' f2

act

is

in

do

1. Deleting the first character in each line

[cloudera@quickstart Desktop]$ sed 's/^.//' f2

ct

ot

s

n

o

1. Deleting the character before the last character.

` [cloudera@quickstart Desktop]$ sed -E 's/.(.)$/\1/' f2

at

nt

s

n

o

1. Deleting lines other than the mentioned.

[cloudera@quickstart Desktop]$ sed '1,3!d' f2

act

not

is

1. Replacing words or characters (basic substitution).

[cloudera@quickstart Desktop]$ sed 's/act/pin/' f2

pin

not

1. Performing two or more substitutions at once.

[cloudera@quickstart Desktop]$ sed -e 's/pin/act/' -e 's/not/yes/' f2

act

yes

is

in

do

1. Replacing the nth occurrence of a pattern in a line.

[cloudera@quickstart Desktop]$ sed 's/pink/red/2' f2

pink red

yellow

1. Replacing all the occurrence of the pattern in a line.

[cloudera@quickstart Desktop]$ sed '1s/pink/red/g' f2

red red

yellow

pink green

green pink

1. Replacing from nth occurrence to all occurrences in a line.

[cloudera@quickstart Desktop]$ sed '5s/pink/blue/2g' f2

pink pink

green pink

pink blue blue blue

1. Replacing string on a specific line number.

[cloudera@quickstart Desktop]$ sed '2s/yellow/blue/' f2

pink pink

blue

pink green

1. Parenthesize first character of each word
2. Replacing words or characters inside a range
3. Emulating dos2unix with inline editing
4. Swapping pairs of words
5. Swapping the first and second words in each line
6. Replacing words only if a separate match is found
7. Read, write, insert and append related commands