Assignment [grep & sed]

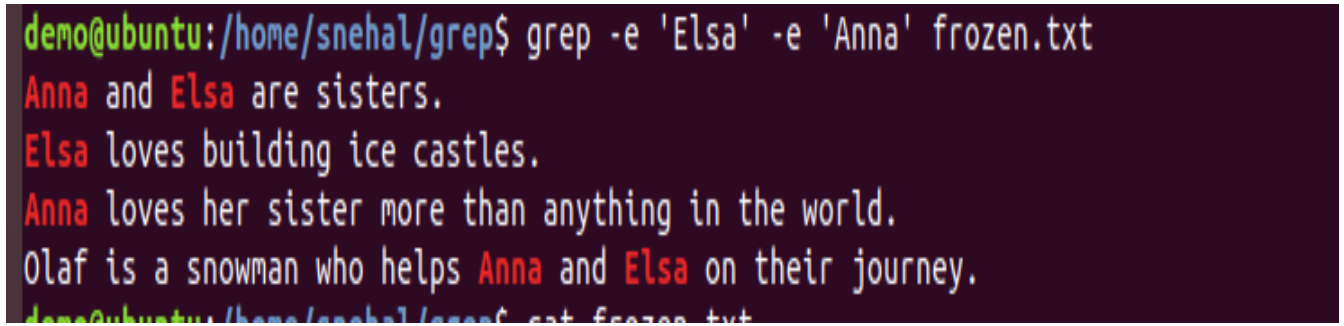
Snehal Deshmukh

Create a use case to serach 2 regex pattern from same grep operation in a file.

```
demo@ubuntu:/home/snehal/grep$ cat frozen.txt
Anna and Elsa are sisters.
Elsa loves building ice castles.
Anna loves her sister more than anything in the world.
Olaf is a snowman who helps Anna and Elsa on their journey.

demo@ubuntu:/home/snehal/grep$
```

1) grep -e 'Elsa' -e 'Anna' frozen.txt



This will search for lines that match the capitalized versions of the elsa and anna patterns.

2) grep '^Elsa' frozen.txt

```
demo@ubuntu:/home/snehal/grep$ grep '^Elsa' frozen.txt
Elsa loves building ice castles.
demo@ubuntu:/home/snehal/grep$
```

In the above command, the ^ symbol matches the beginning of a line, so this command will search for all lines in frozen.txt that start with the word “Elsa".

Create use cases of 5 X flags for grep operation.

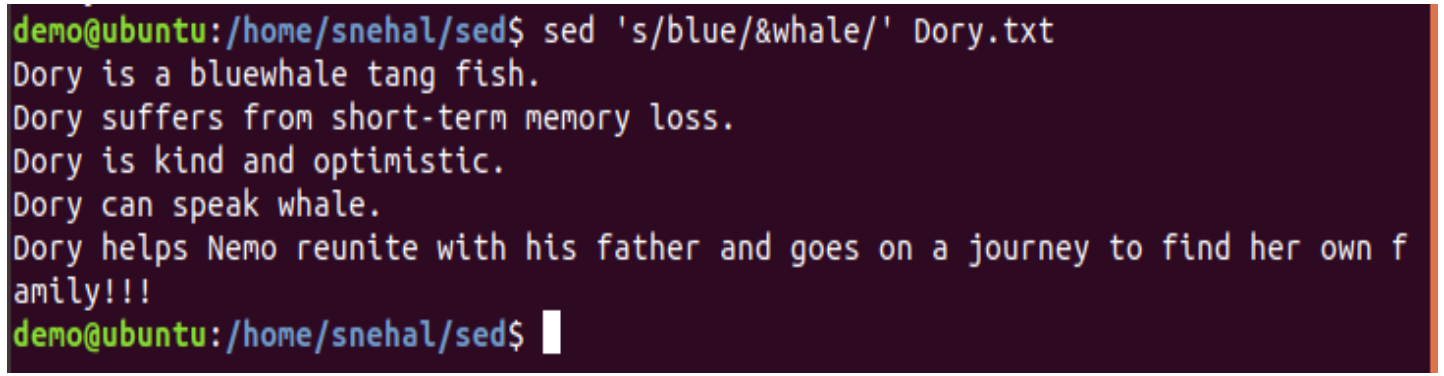
```
demo@ubuntu:/home/snehal/grep$ grep -x -E '^a.*' file.txt
and Elsa being the reserved and magical older sister!!!
demo@ubuntu:/home/snehal/grep$
```

To find only the lines that start with the letter "a"

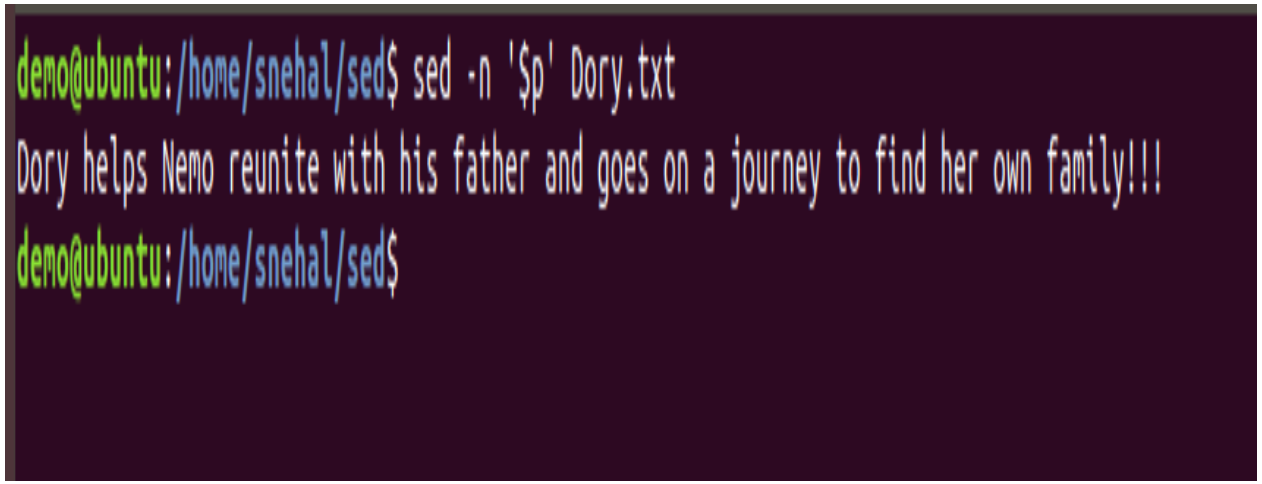
Create use cases exploring standard variables for sed.

```
demo@ubuntu:/home/snehal/sed$ cat Dory.txt
Dory is a blue tang fish.
Dory suffers from short-term memory loss.
Dory is kind and optimistic.
Dory can speak whale.
Dory helps Nemo reunite with his father and goes on a journey to find her own f
amily!!!
demo@ubuntu:/home/snehal/sed$ sed '3d' Dory.txt
Dory is a blue tang fish.
Dory suffers from short-term memory loss.
Dory can speak whale.
Dory helps Nemo reunite with his father and goes on a journey to find her own f
amily!!!
demo@ubuntu:/home/snehal/sed$
```

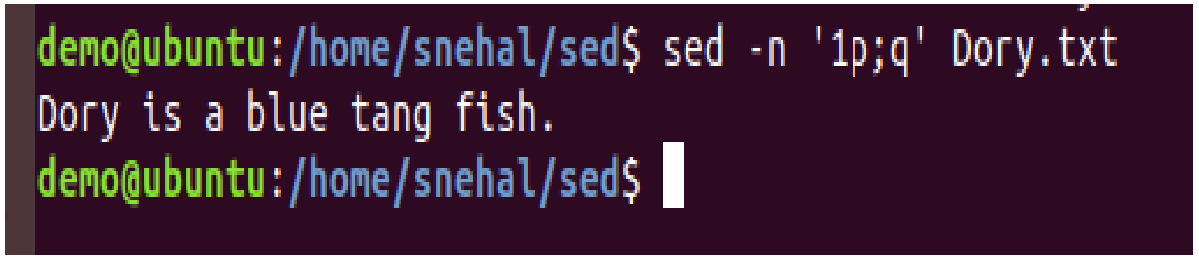
In this command, the 3d command deletes the third line of the file. The line number variable is used to specify the line number to be deleted.



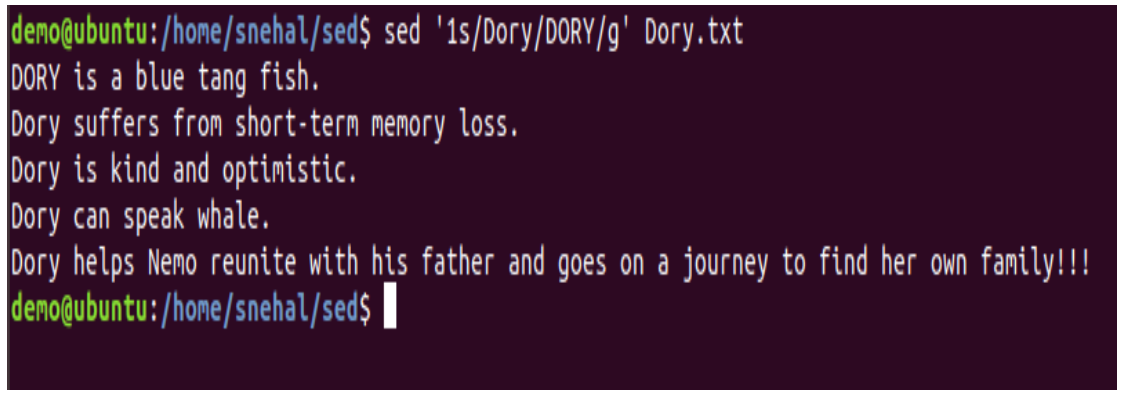
In this command, the **"&"** character is used to refer to the matched string “blue", and “whale" is added as a suffix to it. The resulting output will replace every occurrence of “**blue**" with “**bluewhale**" in the file.

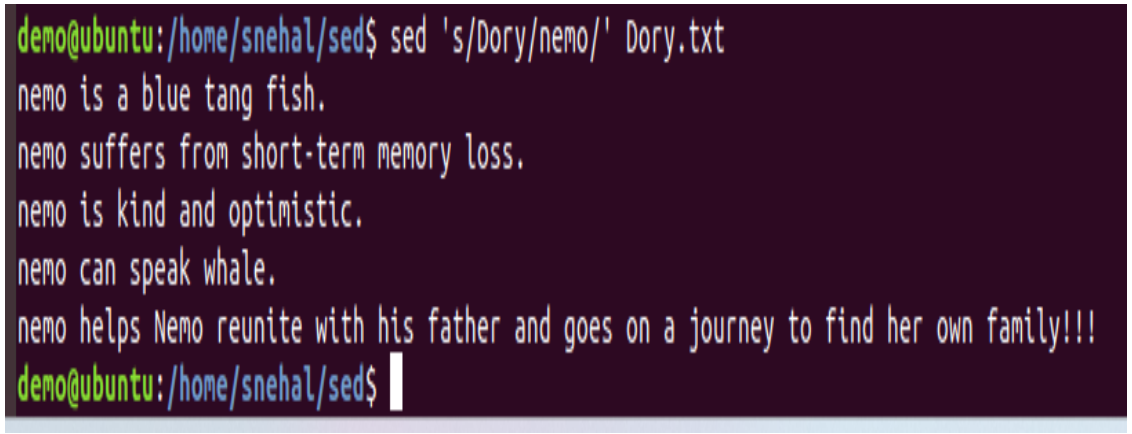


The **"$"** character in sed represents the last line of the file
sed -n '$p' file.txt - This will print the last line of the file.



This will print the first line of the file and exit.
"n" command is to skip certain lines in a file.


demo@ubuntu:/home/snehal/sed$ sed '1s/Dory/DORY/g' Dory.txt
DORY is a blue tang fish.
Dory suffers from short-term memory loss.
Dory is kind and optimistic.
Dory can speak whale.
Dory helps Nemo reunite with his father and goes on a journey to find her own family!!!
demo@ubuntu:/home/snehal/sed$



This will replace all occurrences of "Dory" with "nemo" in the file "Dory.txt".