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Lab3

The main idea of this assignment is to provide hands on experience on the following topics Grep

Pipe

redirection read

command Line arguments head,tail,tr

1. Create a file “poem.txt” with the following lines

We have not wings, we cannot soar; But we have feet to scale and climb By slow degrees, by more and more, The cloudy summits of our time.

The mighty pyramids of stone

That wedge-like cleave the desert airs, When nearer seen and better known, Are but gigantic flights of stairs.

The distant mountains, that uprear Their solid bastions of the skies,

Are crossed by pathways that appear As we to higher levels rise.

The heights by great men reached and kept Were not attained by sudden flight,

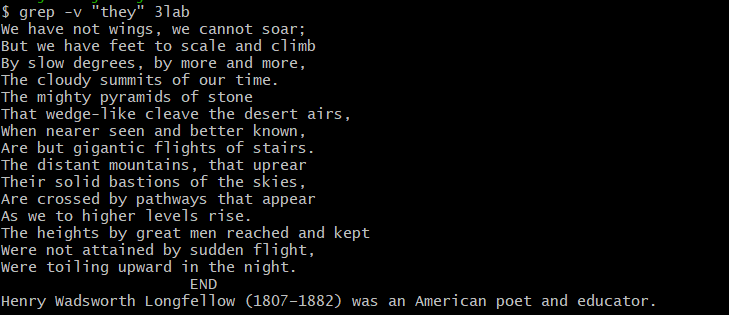
But they, while their companions slept, Were toiling upward in the night.

END

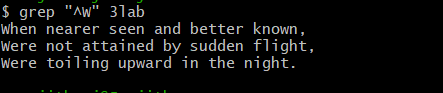
Henry Wadsworth Longfellow (1807–1882) was an American poet and educator.

Do the following task using grep command

* 1. Print all the lines with the pattern “they”



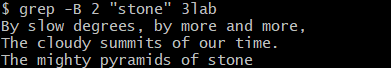
* 1. A black background with white text  Description automatically generatedPrint all the lines other than pattern “They”
  2. Print all the lines starts with “w”



* 1. Print the next lines after the pattern “stone” matches Hint: man grep

A black background with white text  Description automatically generated

* 1. Print the 2 lines above the pattern “stone” matches Hint: man grep



1. Explore variations of grep command

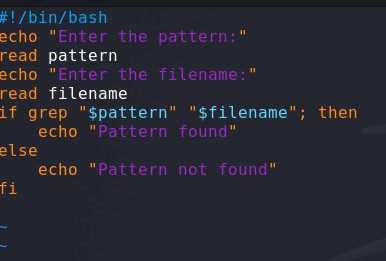
**ngrep -** Used for network packet filtering based on pattern matches.

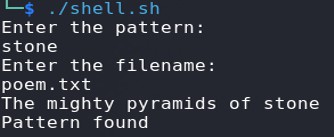
**pgrep -** Searches for processes matching a pattern.

**zgrep -** Searches within compressed files.

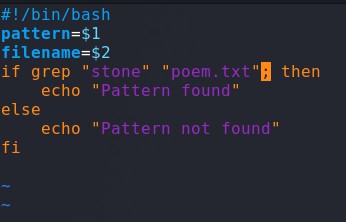
**egrep -** Extended grep allowing additional regular expressions like +, |, etc.

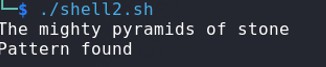
1. Write a shell script to get the pattern and filenames from the user and check whether the pattern is present or not.



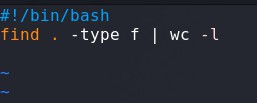


1. Rewrite the above shell script using command line arguments. ( pass the pattern and file through command line arguments)

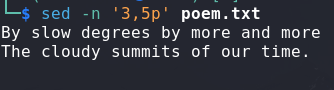




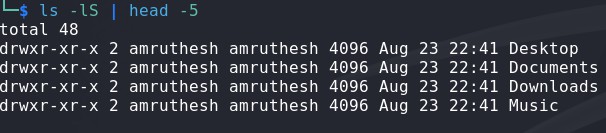
1. Write a shell script to count total number of regular files in the current working directory.



1. pipe
2. Pick the line from 3 to 5.



1. List the top 5 largest files in a directory and display their sizes



1. Print the last 2 modified file details

