

Lab Activity Questions:

You can test your scripts on any dummy data files. We will not provide any data files for this lab activity. Also, please strictly adhere to the input formats.

We will run all your scripts by

bash Q[Number].sh filename

For e.g.:

bash Q1.sh filename

1) Assume that you are given a file containing words. Print all words in the file which start with 's' and doesn't follow by 'a'.

2) You have to write a script which will take only those lines from a file that have 'work' as the third word in the line, replace it with 'good' and then print the new lines. Make sure you must use **grep**, **sed** and **awk** for this question. All 3 **must** be used.

3) You are given a file consisting of passwords. You need that file to be censored. In order to censor the file, you need to censor all the characters after the first 4 characters and replace them with '#'.

For Example:

If the password is: SSDTasarethebest

Your output will be:

SSDT#####

4) Suppose you were walking near the IIIT-IDBI junction when a suspicious car suddenly jumped the signal and fled away. In the wake of certain terrorists attempts in the nation, the police will not ignore this. They have made a file named "MostWanted.txt" publicly available, a list of the most wanted license plates. As a responsible citizen, you want to help the police in your capacity. You vividly recall the car's number that it has TS at the beginning, had two or three consecutive 5 or S (not sure which) toward the end and ended with 0 or O (again not sure which). Search for such numbers from the file. Assume the format of plate is "statecode-XX-XXXX-X" or "statecode XX XXXX X"

5) Given an input file, with N credit card numbers, each in a new line, your task is to reverse the ordering of segments in each credit card number. Assume that the credit card numbers will have 4 space separated segments with 4 digits each.

For Example:

If the original credit card number is 1434 5678 9101 1234

Your output will be:

Commented [SS1]: are ye files wale saare assumptions hai na? unhe khud create karni hai na ye ?

Commented [SA2R1]: cat \$1 | grep "." | awk '\$3=="work"{\$3="good"}{print}' | sed 's/empathy/empathy/g'

Commented [SA3R1]: jaise ye 2nd ka answer

Commented [SA4R1]: simply argument pass krna hum kuch bhi file pass kr sakte

1234 9101 5678 1434.