Write down Linux commands for following statements:

1. Redirect the output of ls command to a file named outfile. Use this as an input file for remaining commands.

ls > outfile

1. To select the lines in a file which has digit as one of the character in that line and redirect the output to the file named list.

grep '[0-9]' outfile > list

1. Assign execute permission to owner and remove read permission from other for an ordinary file named test by relative way.

chmod u+x,o-r test

1. Create an alias named rm that always deletes file interactively.

alias rm='rm -i'

1. Count the currently login users to the system.

who | wc -l

1. Redirect the output of cat command to a file named outfile. Use this as an input file for remaining commands.

cat > outfile

1. List all hidden files under current directory and store in “hidden” file

ls -a | grep '^\.' > hidden

1. Assign write permission to owner and remove execute permission from other for an ordinary file named test by absolute way.

chmod 600 /path/to/test

1. To create soft and hard link for given file

Soft link = ln -s /path/to/original /path/to/link

Hard link = ln /path/to/original /path/to/link

1. To convert lowercase to upper case of a given file

tr '[:lower:]' '[:upper:]' < inputfile > outputfile

1. To extract 1st and 10th character of a given file

cut -c 1,10 inputfile > outputfile

1. To display how many times lines are repeated in a given

sort filename | uniq -c

1. To redirect the output of cp command to a file named outfile. Use this as an input file for remaining commands.

cp sourcefile outfile

1. To select the lines in a file which has 4 letter words in that line and redirect the output to the file named list.

grep -Eow '[[:alpha:]]{4}' outfile > list

1. Assign write permission to owner and remove read permission from group user for an ordinary file named test by relative way.

chmod u+w,g-r test

1. Create an alias named ls that always lists all the files including hidden files.

alias ls='ls -a'

1. Count the number of words in the list file.

wc -w list

1. Redirect the output of mv command to a file named outfile. Use this as an input file for remaining commands.

mv sourcefile destinationfile > outfile

1. List all hidden files under current directory and store in “hidden” file

ls -a | grep '^\.' > hidden

1. Assign write permission to group user and remove execute permission from owner for an ordinary file named test by absolute way

chmod g+w,o-x /path/to/test

1. To create soft and hard link for given file

Soft link = ln -s /path/to/original /path/to/link

Hard link = ln /path/to/original /path/to/link

1. To convert lowercase to upper case of a given file

tr '[:lower:]' '[:upper:]' < inputfile > outputfile

1. To extract 2 nd and 3 rd character of a given file

cut -c 2-3 inputfile > outputfile

1. To display how many times lines are repeated in a given file

sort filename | uniq -c