

NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No: 20

Batch: RMCA A

Date: 09/05/2022

Experiment No: 11

Aim

1. Write a script to convert the contents of a given file from uppercase to lowercase and also count the number of lines, words and characters of the resultant file. Also display the resultant file in descending order

2. Write script to perform following basic math operation as

addition

subtraction

multiplication

division

Note: i)take input from keyboard

ii)take input as command line parameter

3. Write shell script to show various system configuration like

Currently logged user and his long name

Current shell

Your home directory

Your operating system type

Your current path setting

Your current working directory

Show all available shells

4. Write a shell script to print the pattern

1

2 2

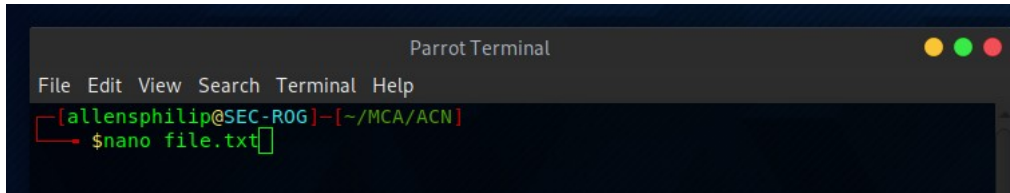
3 3 3

4 4 4 4

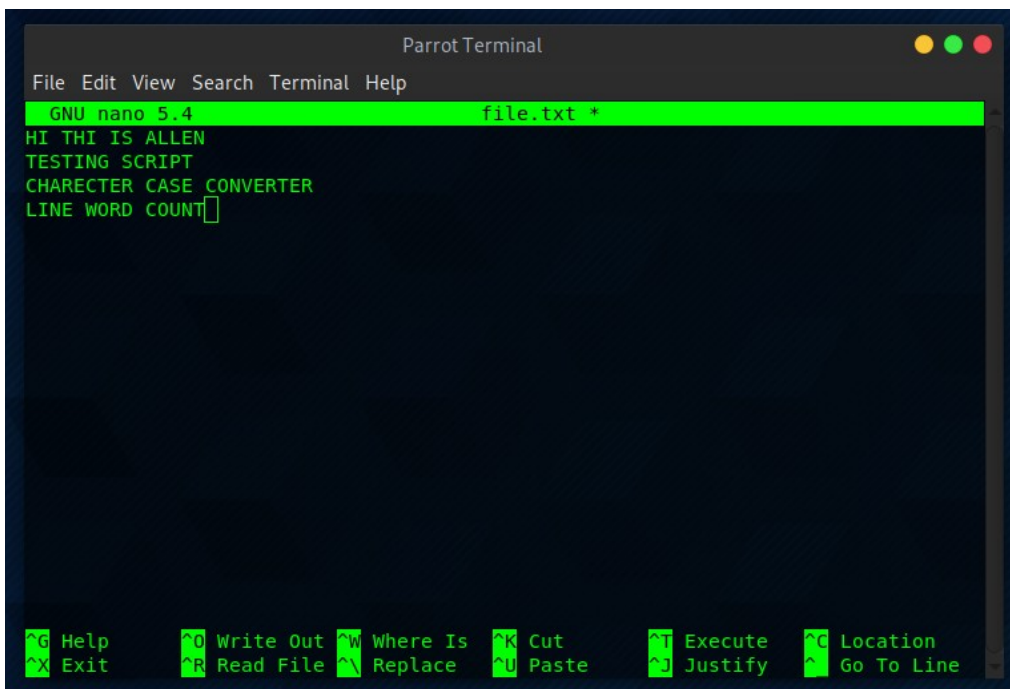
5. Write a script to check whether the given string is palindrome or not.
6. Write a shell script that accepts a list of file names as its arguments, counts and reports the occurrence of each word that is present in the first argument file on other argument files.
7. Write a shell script to find factorial of a given integer.
8. Write a shell script that displays a list of all the files in the current directory to which the user has read, write and execute permissions.
9. Write a script to count the number of lines in a file that do not contain vowels
10. Write a script to determine whether given command line argument (\$1) contains “*” symbol or not, if \$1 does not contains “*” symbol add it to \$1, otherwise show message “Symbol is not required”.

Output Screenshot

[1]

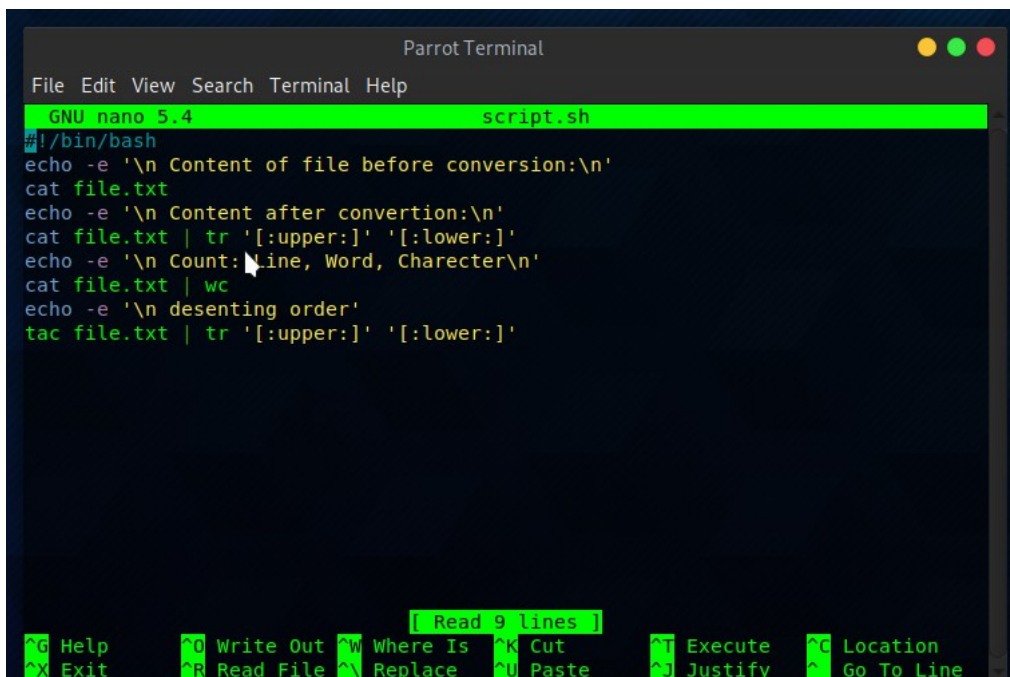


```
Parrot Terminal
File Edit View Search Terminal Help
[allensphilip@SEC-ROG]--[~/MCA/ACN]
$ nano file.txt
```



```
Parrot Terminal
File Edit View Search Terminal Help
GNU nano 5.4 file.txt *
HI THI IS ALLEN
TESTING SCRIPT
CHARECTER CASE CONVERTER
LINE WORD COUNT
```

Help Write Out Where Is Cut Execute Location
Exit Read File Replace Paste Justify Go To Line



```
Parrot Terminal
File Edit View Search Terminal Help
GNU nano 5.4 script.sh
#!/bin/bash
echo -e '\n Content of file before conversion:\n'
cat file.txt
echo -e '\n Content after conversion:\n'
cat file.txt | tr '[:upper:]' '[:lower:]'
echo -e '\n Count: Line, Word, Charecter\n'
cat file.txt | wc
echo -e '\n desenting order'
tac file.txt | tr '[:upper:]' '[:lower:]'
```

[Read 9 lines]

Help Write Out Where Is Cut Execute Location
Exit Read File Replace Paste Justify Go To Line

```
Parrot Terminal
File Edit View Search Terminal Help
[allensphilip@SEC-ROG]~/MCA/ACN
$ nano file.txt
[allensphilip@SEC-ROG]~/MCA/ACN
$ nano script.sh
[allensphilip@SEC-ROG]~/MCA/ACN
$ bash script.sh

Content of file before conversion:
HI THIS IS ALLEN
TESTING SCRIPT
CHARECTER CASE CONVERTER
LINE WORD COUNT

Content after conversion:
hi this is allen
testing script
charecter case converter
line word count

Count: Line, Word, Charecter
      4      12      73

desenting order
line word count
charecter case converter
testing script
hi this is allen
[allensphilip@SEC-ROG]~/MCA/ACN
$
```