**Muskan Malhotra**

**HandOn - Unix 2**

**~$ vi maha**

**~$ cat maha**

This is file of maha.

It has been created with file name maha.sh

This is a three lin file.

**~$ vi maha**

**~$ cat maha**

This is file of maha.

It has been created with file name maha.sh

This is a three lin file.

THIS IS THE FORTH LINE OF THE FILE.

**~$ cat > animals**

lion,tiger,fox,giraffe are the animals.

Monkey,Elephant,Zebra are Herbivorous Animals

**~$ sort maha**

It has been created with file name maha.sh

THIS IS THE FORTH LINE OF THE FILE.

This is a three lin file.

This is file of maha.

**~$ sort -r maha**

This is file of maha.

This is a three lin file.

THIS IS THE FORTH LINE OF THE FILE.

It has been created with file name maha.sh

**~$ sort -n maha**

It has been created with file name maha.sh

THIS IS THE FORTH LINE OF THE FILE.

This is a three lin file.

This is file of maha.

**~$ sort -b animals**

Monkey,Elephant,Zebra are Herbivorous Animals

lion,tiger,fox,giraffe are the animals.

**~$ cat > maha**

cat file maha

cat file maha

a file by duplicates.

**~$ uniq maha**

cat file maha

a file by duplicates.

**~$ uniq -c maha**

2 cat file maha

1 a file by duplicates.

**~$ uniq -d maha**

cat file maha

**~$ cat animals | tr "," "\t"**

lion tiger fox giraffe are the animals.

Monkey Elephant Zebra are Herbivorous Animals

**~$ cat animals | tr -s ","**

lion,tiger,fox,giraffe are the animals.

Monkey,Elephant,Zebra are Herbivorous Animals

**~$ cat animals|tr -d ","**

liontigerfoxgiraffe are the animals.

MonkeyElephantZebra are Herbivorous Animals

**~$ cut -b1,2 '' animals**

cut: '': No such file or directory

li

Mo

**~$ cut -b1,2,3 '' maha**

cut: '': No such file or directory

cat

cat

a f

**~$ cat maha**

cat file maha

cat file maha

a file by duplicates.

**~$ head maha**

cat file maha

cat file maha

a file by duplicates.

**~$ head -n2 maha**

cat file maha

cat file maha

**~$ head -n-2 maha**

cat file maha

cat file maha

**~$ head animals maha**

==> animals <==

lion,tiger,fox,giraffe are the animals.

Monkey,Elephant,Zebra are Herbivorous Animals

==> maha <==

cat file maha

cat file maha

a file by duplicates.

**~$ tail maha**

cat file maha

cat file maha

a file by duplicates.

**~$ tail -n2 maha**

a file by duplicates.

**~$ cmp animals maha**

animals maha differ: byte 1, line 1

**~$ diff -c maha animals**

\*\*\* maha 2022-10-16 08:14:43.281855527 +0000

--- animals 2022-10-16 08:10:21.816485431 +0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\* 1,4 \*\*\*\*

! cat file maha

! cat file maha

! a file by duplicates.

--- 1,3 ----

! lion,tiger,fox,giraffe are the animals.

+ Monkey,Elephant,Zebra are Herbivorous Animals

**~$ cat > fruits**

apple

mango

kiwi

grapes

pineapple

banana

**~$ cat > flowers**

Lotus

Rose

Tulip

Lily

Marigold

Sunflower

Jasmine

**~$ comm fruits flowers**

Lotus

Rose

Tulip

comm: file 2 is not in sorted order

Lily

Marigold

Sunflower

Jasmine

apple

mango

comm: file 1 is not in sorted order

kiwi

grapes

pineapple

Banana

**~$ cat flowers |head -2|tail -1**

Rose

**~$ chmod ugo+rwx fruits**

**~$ sudo password root**

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║ /!\ STOP: YOUR ARE NOT AN ADMINISTRATOR /!\ ║

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║ It is not possible to gain elevated privileges – neither via ║

║ sudo nor any other mechanism. CoCalc projects run in heavily ║

║ restricted containers for security reasons! ║

║ ║

║ In case you want to install some software, some quick help: ║

║ Python: pip3 install --user [pkgname] ║

║ https://doc.cocalc.com/howto/install-python-lib.html ║

║ Node: npm [pkg] instead of sudo npm -g [pkg] ║

║ R: open Terminal, run R, and then install.package(...) ║

║ https://doc.cocalc.com/howto/install-r-package.html ║

║ Build: ./configure --prefix=~/.local && make && make install ║

║ ║

║ Support: help@cocalc.com – for global software install requests ║

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