Name: Bao Hoang

Quiz 6

1. file=datafile ;echo $file

3.

Salarynsafa

65000

50000

1000000

4.
cut -d: -f1,3 $file

*5.

Salary

65000

50000

1000000

6.
cut -c '10-15' $file

OfBirt

5-1994

13-199

1999:1

7.
[cs45aa20@mc-redhat01 ~]$ cat $file | tr 'a-z' 'A-Z'

JOE RICHARDS

MAC ARTHER

JOE RICHARD

LYNN NGUYEN

FENJ LEU

8.
[cs45aa20@mc-redhat01 ~]$ cat $file | tr '[a-z]' 'X'

XXX XXXXXXXX

XXX XXXXXX

XXX XXXXXXX

XXXX XXXXXX

XXXX LXX

9.
[cs45aa20@mc-redhat01 ~]$ sed 's/65000/*****/g' datafile

Name:DateOfBirth:Salary:Hours-worked

joey:10-05-1994:*****:40

peter:04-13-1990:50000:40

sy:02-22-1999:1000000:20

10.
[cs45aa20@mc-redhat01 ~]$ wc -l $file
13 names

11.
[cs45aa20@mc-redhat01 ~]$ wc -c $file
96 names

*12.
[cs45aa20@mc-redhat01 ~]$ sed '1h;2d;3H;4g' datafile

Name:DateOfBirth:Salary:Hours-worked

Name:DateOfBirth:Salary:Hours-worked
joey:10-05-1994:65000:40

peter:04-13-1990:50000:40

sy:02-22-1999:1000000:20

1h means replace the contents of the pattern space with the contents of the hold space at the first line.
2d means delete the pattern space; immediately start next cycle in the second line. (clear the space)
3H means append a newline to the contents of the hold space, and then append the contents of the pattern space to that of the hold space at the third line (create a space to put some data)
4g means replace the contents of the pattern space with the contents of the hold space.
("Name:DateOfBirth:Salary:Hours-worked" is hold)

13.
[cs45aa20@mc-redhat01 ~]$ sed "3h;6g;10g" datafile

Name:DateOfBirth:Salary:Hours-worked

joey:10-05-1994:65000:40
Name:DateOfBirth:Salary:Hours-worked
peter:04-13-1990:50000:40

sy:02-22-1999:1000000:20
Name:DateOfBirth:Salary:Hours-worked

14.
[cs45aa20@mc-redhat01 ~]$ sed '1w df1' datafile
[cs45aa20@mc-redhat01 ~]$ sed '2,3w df2' datafile
[cs45aa20@mc-redhat01 ~]$ sed '4w df3' datafile

15.
[cs45aa20@mc-redhat01 ~]$ sed -n '/^[^Space ctrl+v Tab]/p' xfile

17.
[cs45aa20@mc-redhat01 ~]$ sed '1,3d' $file

joey:10-05-1994:65000:40

peter:04-13-1990:50000:40

sy:02-22-1999:1000000:20

18.
[cs45aa20@mc-redhat01 ~]$ sed '2,$d' $file

19.
[cs45aa20@mc-redhat01 ~]$ diff filea fileb
1c1
< I am one

>   I am one
3c3
< I am one

```
---
>    I am one
7c7
< i am line two
---
>   I am line two
9c9
< i ma line 2 in file a
---
> I am line 3 in fileb

[cs45aa20@mc-redhat01 ~]$ uniq filea; uniq fileb
I am one

I am one

I AM LINE TWO

i am line two

i ma line 2 in file a
   I am one

   I am one

I AM LINE TWO

  I am line two

I am line 3 in fileb

[cs45aa20@mc-redhat01 ~]$ uniq -i filea
I am one

I am one

I AM LINE TWO

i am line two

i ma line 2 in file a
```
The i option is ignore differences in case when comparing

```
[cs45aa20@mc-redhat01 ~]$ uniq -i -c  filea
      1 I am one
      1
      1 I am one
      1
      1 I AM LINE TWO
      1
      1 i am line two
      1
      1 i ma line 2 in file a
```
The c option is count prefix lines by the number of occurrences

20.
[cs45aa20@mc-redhat01 ~]$ find -type f -name 'cs45aa20' -mtime -3 -size +3M -o -size -4M -exec tar -cvf my.tar {} +

21.
[cs45aa20@mc-redhat01 ~]$ find -type f |xargs grep -il 'xyz'

24.
[cs45aa20@mc-redhat01 ~]$ grep -r 'homework'

25.
find . -inum 12345 |xargs mv -I '{}' mv '{}' /tmp/storage directory