

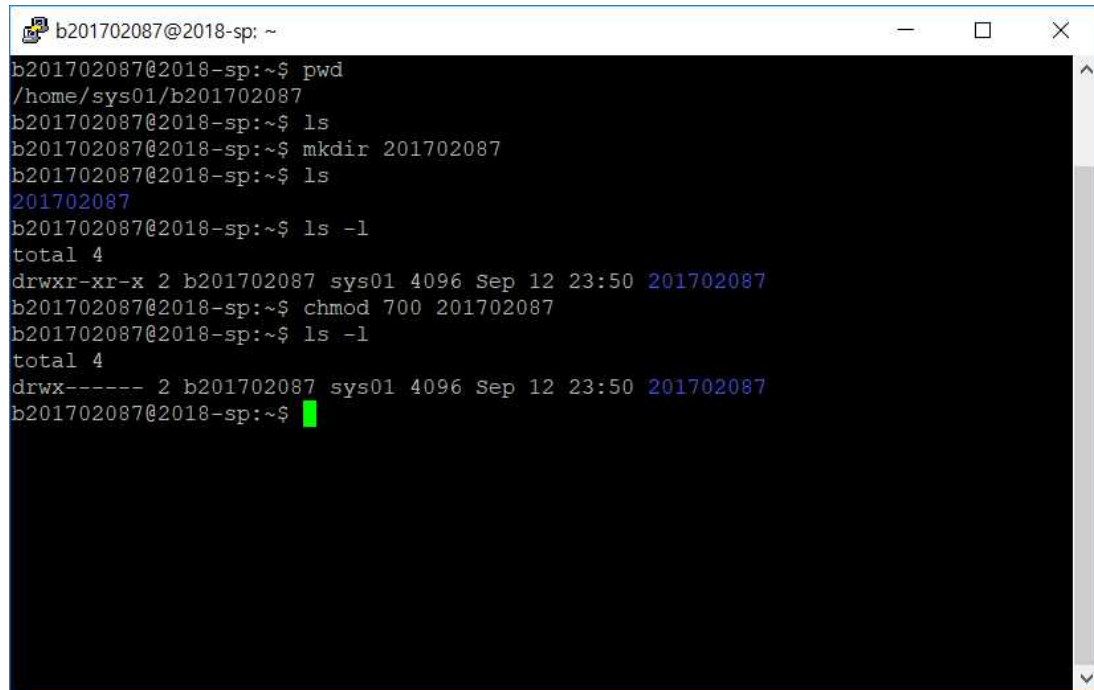
2018년 시스템 프로그래밍

- HW 01 -

제출일자	2018.09.15.
이름	함지희
학번	201702087
분반	01

1-1

결과
스크린샷



```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ pwd  
/home/sys01/b201702087  
b201702087@2018-sp:~$ ls  
b201702087@2018-sp:~$ mkdir 201702087  
b201702087@2018-sp:~$ ls  
201702087  
b201702087@2018-sp:~$ ls -l  
total 4  
drwxr-xr-x 2 b201702087 sys01 4096 Sep 12 23:50 201702087  
b201702087@2018-sp:~$ chmod 700 201702087  
b201702087@2018-sp:~$ ls -l  
total 4  
drwx----- 2 b201702087 sys01 4096 Sep 12 23:50 201702087  
b201702087@2018-sp:~$
```

mkdir로 디렉토리를 생성한 후, chmod로 권한을 바꿔주었다. Ls -l로 권한을 확인하였다.

1-2

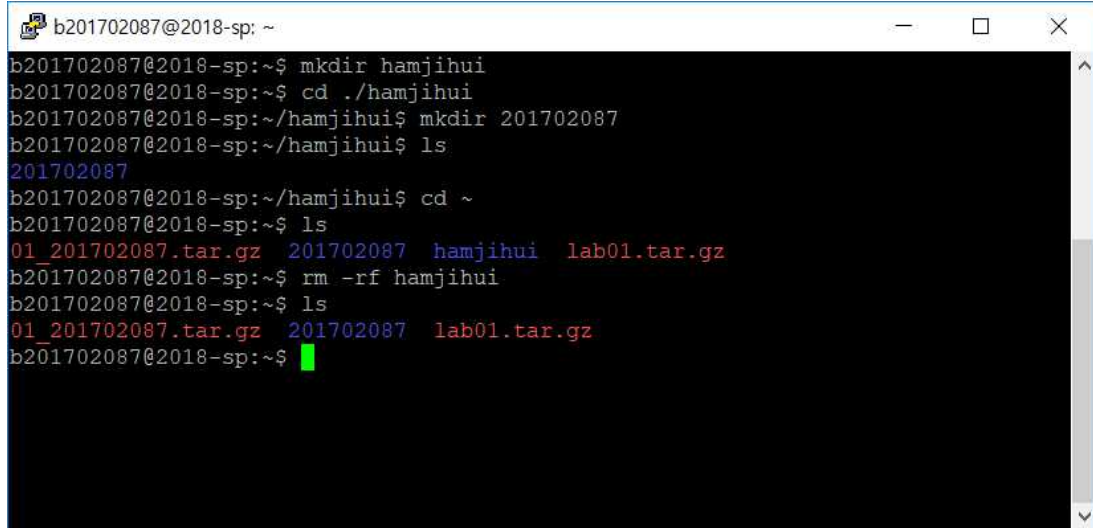
```

b201702087@2018-sp: ~/201702087
b201702087@2018-sp:~$ cp /home/sys00/sys00/lab01.tar.gz ~
b201702087@2018-sp:~$ pwd
/home/sys01/b201702087
b201702087@2018-sp:~$ ls
201702087 lab01.tar.gz
b201702087@2018-sp:~$ tar xvfz lab01.tar.gz
lab01/
lab01/findfindfind/
lab01/findfind/
lab01/findfind/findfindfind/
lab01/findfind/findfindfind/test2.c
lab01/fdindfind/
lab01/findinfidnf/
lab01/findfindddd/
lab01/findinidnfidnfid/
lab01/fdnkfndknf/
lab01/find/
lab01/find/test.c
lab01/fdnifndi/
lab01/findi/
lab01/fndini/
lab01/fndi/
lab01/findfin/
b201702087@2018-sp:~$ mv lab01 201702087
b201702087@2018-sp:~$ tar cvfz 01_201702087.tar.gz 201702087
201702087/
201702087/lab01/
201702087/lab01/fdnkfndknf/
201702087/lab01/findinfidnf/
201702087/lab01/fdindfind/
201702087/lab01/findinidnfidnfid/
201702087/lab01/find/
201702087/lab01/find/test.c
201702087/lab01/findfind/
201702087/lab01/findfind/findfindfind/
201702087/lab01/findfind/findfindfind/test2.c
201702087/lab01/findfindfind/
201702087/lab01/fdnifndi/
201702087/lab01/fndini/
201702087/lab01/findfin/
201702087/lab01/fndi/
201702087/lab01/findi/
201702087/lab01/findfindddd/
b201702087@2018-sp:~$ ls
01_201702087.tar.gz 201702087 lab01.tar.gz
b201702087@2018-sp:~$ cd 201702087
b201702087@2018-sp:~/201702087$ ls
lab01
b201702087@2018-sp:~/201702087$

```

cp를 이용하여 내 홈 디렉토리(~)에 복사하였다. tar xvfz 를 이용하여 lab01을 압축해제시켰고 mv를 이용하여 lab01을 201702087로 바꿨다. tar cvfz를 이용하여 201702087을 01_201702087로 압축해주었다.

1-3



```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ mkdir hamjihui  
b201702087@2018-sp:~$ cd ./hamjihui  
b201702087@2018-sp:~/hamjihui$ mkdir 201702087  
b201702087@2018-sp:~/hamjihui$ ls  
201702087  
b201702087@2018-sp:~/hamjihui$ cd ~  
b201702087@2018-sp:~$ ls  
01_201702087.tar.gz 201702087 hamjihui lab01.tar.gz  
b201702087@2018-sp:~$ rm -rf hamjihui  
b201702087@2018-sp:~$ ls  
01_201702087.tar.gz 201702087 lab01.tar.gz  
b201702087@2018-sp:~$
```

홈 디렉토리에 mkdir로 영문이름 디렉토리를 생성한 후, cd ./영문이름으로 디렉토리 이동해서 mkdir로 학번디렉토리를 생성하였다. 다시 cd ~로 홈 디렉토리로 돌아온 다음에 rm -rf로 영문이름 디렉토리나 그 하위디렉토리를 한번에 삭제하였다.

1-4

```

b201702087@2018-sp: ~/lab01
b201702087@2018-sp:~$ ls
01_201702087.tar.gz  201702087  lab01.tar.gz
b201702087@2018-sp:~$ tar xvfz lab01.tar.gz
lab01/
lab01/findfindfind/
lab01/findfind/
lab01/findfind/findfindfind/
lab01/findfind/findfindfind/test2.c
lab01/fdindfind/
lab01/findinfidnf/
lab01/findfindddd/
lab01/findinidnfidnfid/
lab01/fdnkfndknf/
lab01/find/
lab01/find/test.c
lab01/fdnifndi/
lab01/findi/
lab01/fndini/
lab01/fndi/
lab01/findfin/
b201702087@2018-sp:~$ cd ./lab01
b201702087@2018-sp:~/lab01$ find -name 'test.c'
./find/test.c
b201702087@2018-sp:~/lab01$ find -name 'test2.c'
./findfind/findfindfind/test2.c
b201702087@2018-sp:~/lab01$

```

cp로 홈디렉토리에 복사 한 다음에 tar xvfz로 압축을 풀어주었다. cd ./lab01로 디렉토리 이동을 해준 뒤, find -name으로 test.c와 test2.c의 lab01에서의 위치를 찾아주었다.

1-5

```

b201702087@2018-sp: ~
b201702087@2018-sp:~$ ls -it lab01 > list.txt
b201702087@2018-sp:~$ ls
01 201702087.tar.gz 201702087 lab01 lab01.tar.gz list.txt
b201702087@2018-sp:~$ cat list.txt
518731 fdnkfndkmf
518734 fdnifndi
518736 fndini
518730 findinidnfidnfid
518728 findinfidnf
518735 findi
518737 fndi
518727 fdindfind
518729 findfinddd
518738 findfin
518723 findfindfind
518732 find
518724 findfind
b201702087@2018-sp:~$ █

```

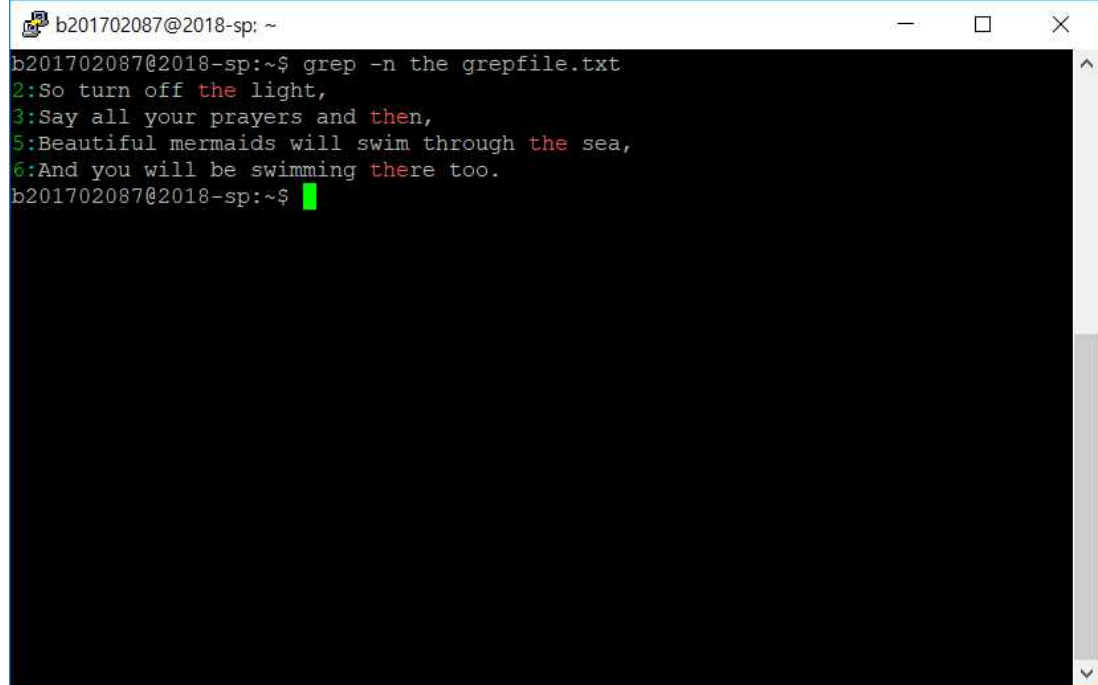
ls -it로 lab01을 생성순으로 inode번호를 포함한 결과를 >로 list.txt에 쓴다(저장한다).
cat으로 잘 저장됐나 확인한다.

1-6

```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ cat > grepfile.txt  
Well you know it's your bedtime,  
So turn off the light,  
Say all your prayers and then,  
Oh you sleepy young heads dream of wonderful things,  
Beautiful mermaids will swim through the sea,  
And you will be swimming there too.  
b201702087@2018-sp:~$ pwd  
/home/sys01/b201702087  
b201702087@2018-sp:~$ ls  
01_201702087.tar.gz 201702087 grepfile.txt lab01 lab01.tar.gz list.txt  
b201702087@2018-sp:~$ cat grepfile.txt  
Well you know it's your bedtime,  
So turn off the light,  
Say all your prayers and then,  
Oh you sleepy young heads dream of wonderful things,  
Beautiful mermaids will swim through the sea,  
And you will be swimming there too.  
b201702087@2018-sp:~$ █
```

Cat > 으로 파일생성을 해주었다. 내용을 입력한 후, ctrl+d로 나와주었고 잘 저장됐나 확인하기 위해 cat 파일명을 해주었다

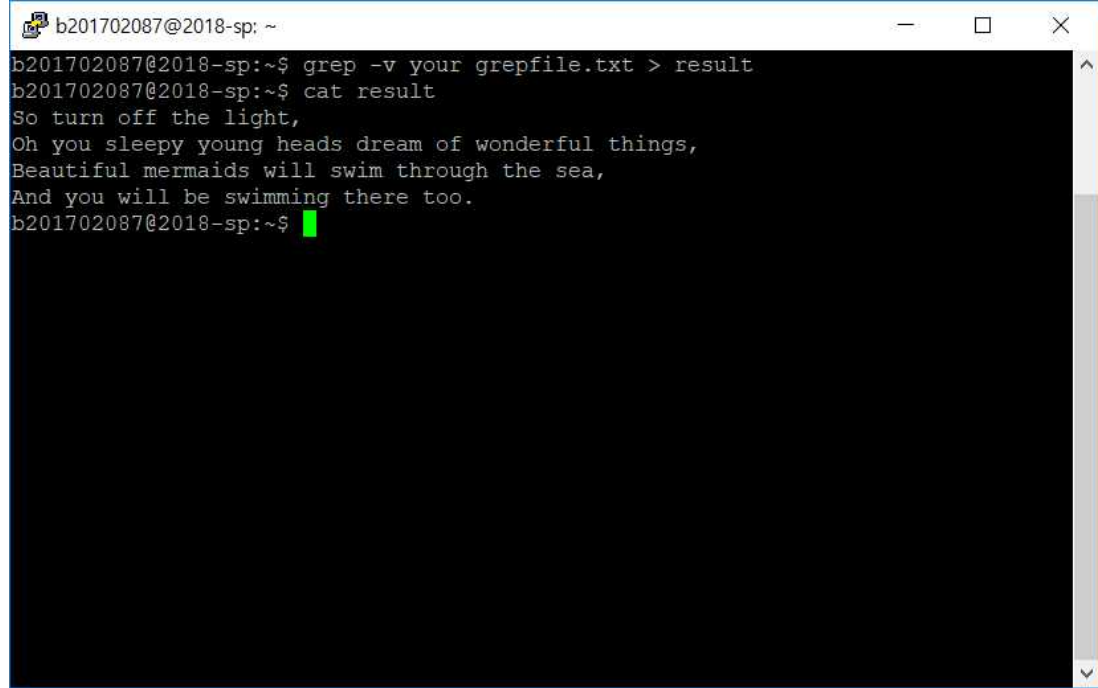
1-7

A terminal window with a black background and white text. The window title is 'b201702087@2018-sp: ~'. The command 'grep -n the grepfile.txt' has been executed. The output shows four lines from a file, each with a line number and the word 'the' highlighted in red. The lines are: '2:So turn off the light,', '3:Say all your prayers and then,', '5:Beautiful mermaids will swim through the sea,', and '6:And you will be swimming there too.'. The prompt 'b201702087@2018-sp:~\$' is followed by a green cursor.

```
b201702087@2018-sp:~$ grep -n the grepfile.txt
2:So turn off the light,
3:Say all your prayers and then,
5:Beautiful mermaids will swim through the sea,
6:And you will be swimming there too.
b201702087@2018-sp:~$
```

Grep -n(선두에 행 번호넣음)으로 the가 들어간 행과 그 번호를 출력하였다.

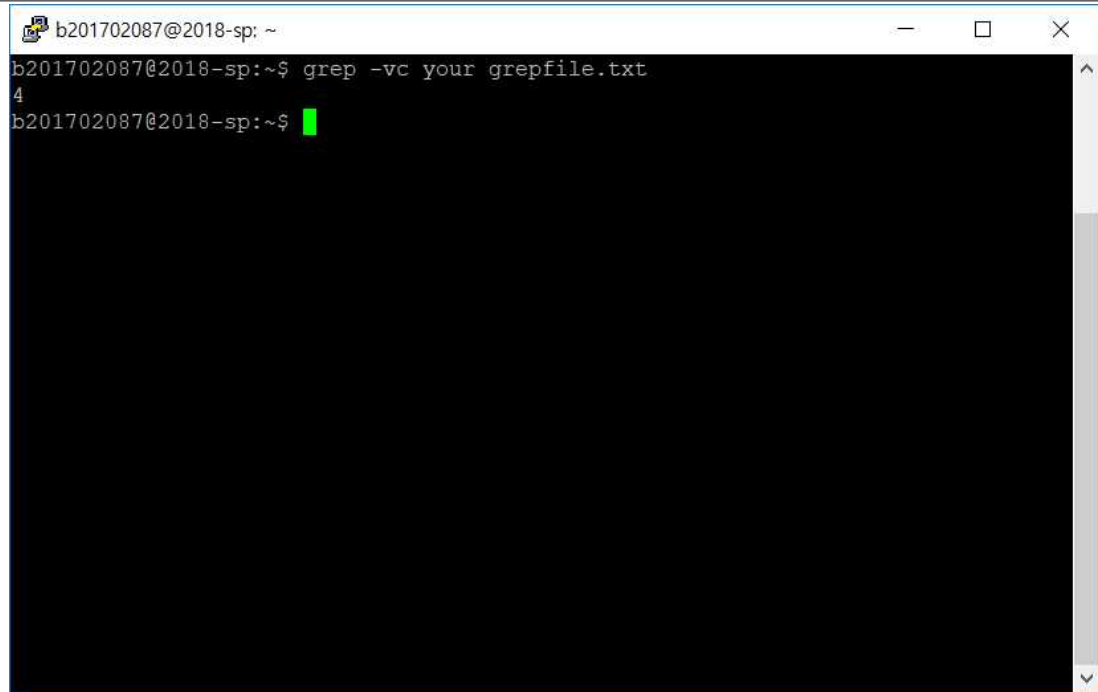
1-8

A terminal window with a title bar showing 'b201702087@2018-sp: ~'. The terminal has a black background with white text. The user enters the command 'grep -v your grepfile.txt > result'. Then they enter 'cat result', which outputs four lines of text: 'So turn off the light,', 'Oh you sleepy young heads dream of wonderful things,', 'Beautiful mermaids will swim through the sea,', and 'And you will be swimming there too.'. The prompt 'b201702087@2018-sp:~\$' is followed by a green cursor.

```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ grep -v your grepfile.txt > result  
b201702087@2018-sp:~$ cat result  
So turn off the light,  
Oh you sleepy young heads dream of wonderful things,  
Beautiful mermaids will swim through the sea,  
And you will be swimming there too.  
b201702087@2018-sp:~$
```

grep -v(pattern포함 안하는 라인 출력)으로 your가 없는 행을 출력한 것을 >로
result파일에 쓰기한다음에 cat result로 출력하였다.

1-9



```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ grep -vc your grepfile.txt  
4  
b201702087@2018-sp:~$
```

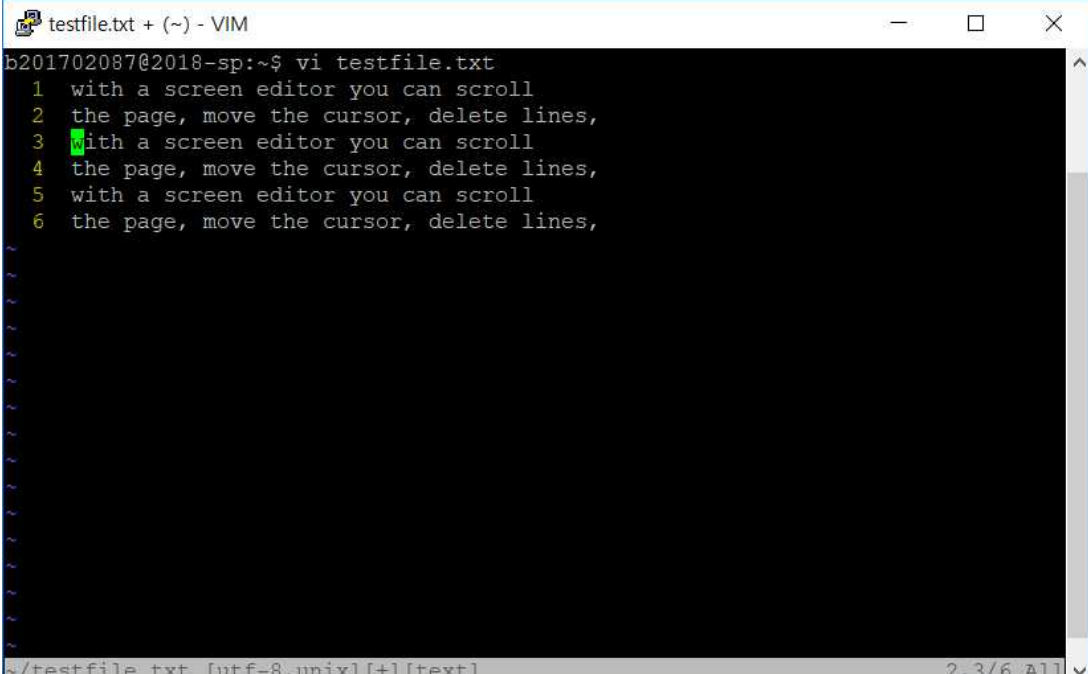
grep -vc (v: pattern을 포함하지 않는 라인출력, c :라인의 개수만 출력)으로 your가 없는 행의 개수를 출력하였다.

1-10



```
b201702087@2018-sp: ~  
b201702087@2018-sp:~$ vi testfile.txt  
b201702087@2018-sp:~$ cat testfile.txt  
with a screen editor you can scroll  
the page, move the cursor, delete lines,  
b201702087@2018-sp:~$
```

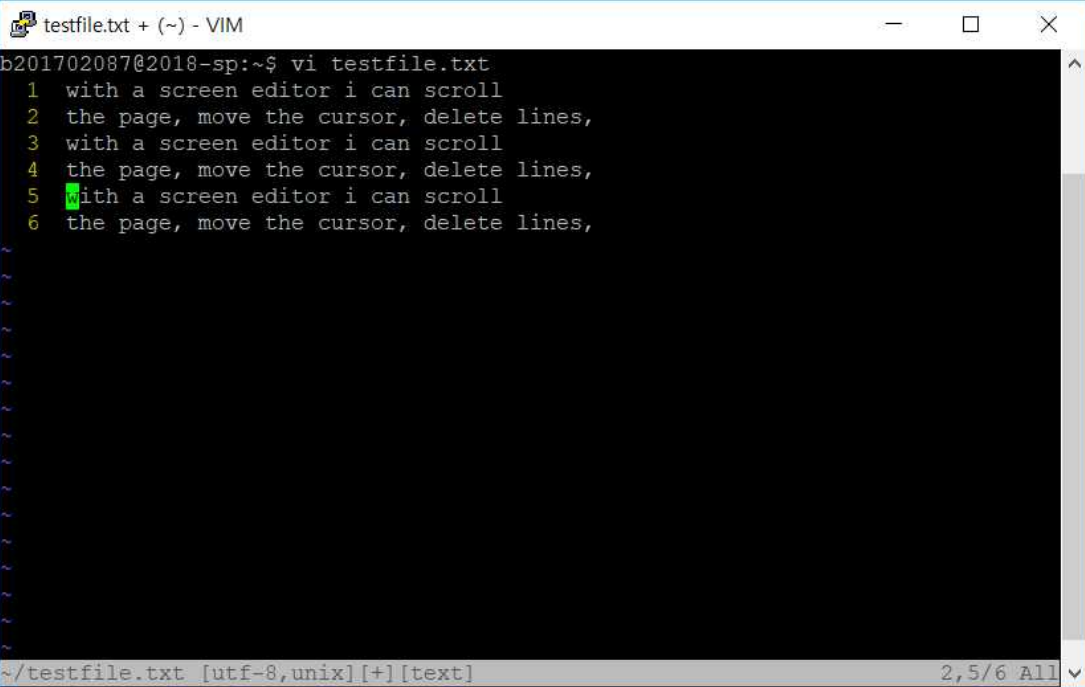
vi testfile.txt으로 vi 표준모드 창을 연다. i를 눌러서 입력모드로 바꾼다음에 주어진 내용을 입력 후, esc를 누르고 :wq로 저장 후 종료를 해주었다. cat testfile.txt로 잘 저장됐나 확인하였다.



```
testfile.txt + (~) - VIM
b201702087@2018-sp:~$ vi testfile.txt
 1 with a screen editor you can scroll
 2 the page, move the cursor, delete lines,
 3 with a screen editor you can scroll
 4 the page, move the cursor, delete lines,
 5 with a screen editor you can scroll
 6 the page, move the cursor, delete lines,
~/testfile.txt [utf-8,unix] [+] [text] 2,3/6 All
```

커서를 첫 번째줄에 놓고 명령모드에서 2yy를 해서 버퍼에 복사한 다음에, 커서를 두 번째줄에 놓고 명령모드에서 2p를 눌러 2줄을 2번 복사하였다.

1-12

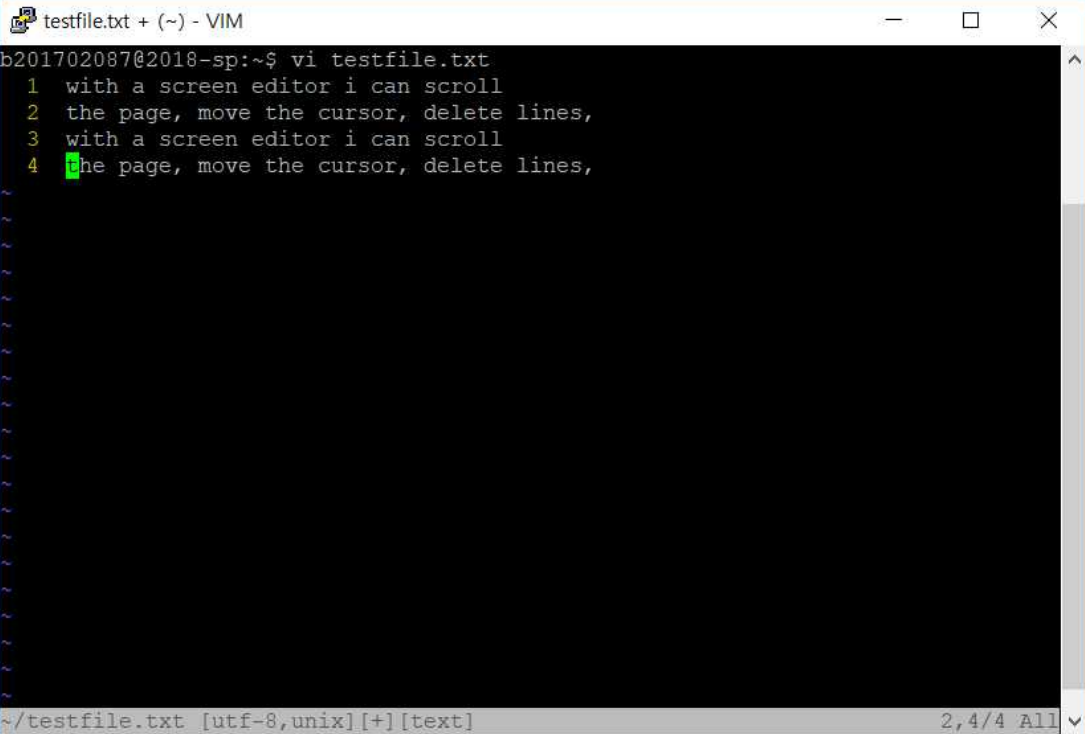


```
testfile.txt + (~) - VIM
b201702087@2018-sp:~$ vi testfile.txt
 1 with a screen editor i can scroll
 2 the page, move the cursor, delete lines,
 3 with a screen editor i can scroll
 4 the page, move the cursor, delete lines,
 5 with a screen editor i can scroll
 6 the page, move the cursor, delete lines,

~/testfile.txt [utf-8,unix][+][text] 2,5/6 All
```

명령모드에서 `:%s/you/i/g` 를 입력하여 testfile.txt 파일에서 you를 i로 모두 치환하였다.

1-13



```
testfile.txt + (~) - VIM
b201702087@2018-sp:~$ vi testfile.txt
1 with a screen editor i can scroll
2 the page, move the cursor, delete lines,
3 with a screen editor i can scroll
4 the page, move the cursor, delete lines,
~
~/testfile.txt [utf-8,unix][+][text] 2,4/4 All
```

명령모드에서 :5,6 d를 입력하여 3번째 단락인 5행에서 6행을 삭제시켰다.