

## Homework #4

1. Do "cd ~", then do "mkdir vi\_homework", then do "cd vi\_homework", then do "wget http://kyungbaekkim.jnu.ac.kr/data/3lpigs.txt" (your PC needs to connect to Internet before doing this), then do "cp 3lpigs.txt 3lpigs\_edit.txt", then do "wc 3lpigs\_edit.txt"

- Take a screenshot

```
mtak ~
> cd ~
mtak ~
> mkdir vi_homework
mtak ~
> cd vi_homework
mtak ~/vi_homework
> wget http://kyungbaekkim.jnu.ac.kr/data/3lpigs.txt
--2023-04-12 09:29:06-- http://kyungbaekkim.jnu.ac.kr/data/3lpigs.txt
kyungbaekkim.jnu.ac.kr (kyungbaekkim.jnu.ac.kr) 해석 중... 211.248.97.119
다음으로 연결 중: kyungbaekkim.jnu.ac.kr (kyungbaekkim.jnu.ac.kr)|211.248.97.119|:80
... 연결했습니다.
HTTP 요청을 보냈습니다. 응답 기다리는 중... 200 OK
길이: 5487 (5.4K) [text/plain]
저장 위치: `3lpigs.txt'

3lpigs.txt          100%[=====>]    5.36K  --.-KB/s    /   0s

2023-04-12 09:29:06 (38.5 MB/s) - `3lpigs.txt' 저장함 [5487/5487]

mtak ~/vi_homework
> cp 3lpigs.txt 3lpigs_edit.txt
mtak ~/vi_homework
> wc 3lpigs_edit.txt
   84   1005   5487 3lpigs_edit.txt
mtak ~/vi_homework
```

- What is the result of the command "wc"? Explain the result. (use "man wc" to understand the usage of "wc") 파일의 줄 수, 단어 수, 바이트 수를 출력한다.

2. Do "vi 3lpigs\_edit.txt", then do ":3" in vi, then press "O", then type "This is the test.", then press ESC key, then do ":3,10w tmpstory" in vi, then do ":q!" in vi, then do "clear", then do "cat tmpstory", then do "head 3lpigs\_edit.txt"

- Take a screen shot

```
mtak ~/vi_homework
cat tmpstory

This is the test

Once upon a time . . . there were three little pigs, who left their mummy
and daddy to see the world.

All summer long, they roamed through the woods and over the plains, playing
games and having fun. None were happier than the three little pigs, and they
easily made friends with everyone. Wherever they went, they were given a warm
welcome, but as summer drew to a close, they realized that folk were drifting
back to their usual jobs, and preparing for winter. Autumn came and it began

mtak ~/vi_homework
head 3lpigs_edit.txt

THE THREE LITTLE PIGS

Once upon a time . . . there were three little pigs, who left their mummy
and daddy to see the world.

All summer long, they roamed through the woods and over the plains, playing
games and having fun. None were happier than the three little pigs, and they
easily made friends with everyone. Wherever they went, they were given a warm
welcome, but as summer drew to a close, they realized that folk were drifting
back to their usual jobs, and preparing for winter. Autumn came and it began
to rain. The three little pigs started to feel they needed a real home. Sadly

mtak ~/vi_homework
```

- Which file has the sentence "This is the test."? Why?

tmpstory - 3lpigs\_edit.txt에서 변경 사항을 저장하지 않았기 때문에 **:w tmpstory**로 변경부분이 저장된 파일은 tmpstory뿐이다.

3. Do "vi tmpstory", then press "j" one time, then press "J" (capital letter of j), then press "yy" (press "y" two times), then press "G" (capital letter of g), then press "4p" (press 4 then press p), then press "dd" (press "d" two times), then do ":wq" in vi, then do "clear", then "cat tmpstory"

- Take a screen shot

```
mtak ~/vi_homework
cat tmpstory

This is the test

Once upon a time . . . there were three little pigs, who left their mummy and dad
dy to see the world.

All summer long, they roamed through the woods and over the plains, playing
games and having fun. None were happier than the three little pigs, and they
easily made friends with everyone. Wherever they went, they were given a warm
welcome, but as summer drew to a close, they realized that folk were drifting
back to their usual jobs, and preparing for winter. Autumn came and it began

Once upon a time . . . there were three little pigs, who left their mummy and dad
dy to see the world.

Once upon a time . . . there were three little pigs, who left their mummy and dad
dy to see the world.

Once upon a time . . . there were three little pigs, who left their mummy and dad
dy to see the world.
```

- What is "yy", "p", "dd" for in vi?

yy 는 커서가 있는 줄(현재 줄)을 복사한다. p 는 현재 커서의 다음 줄에 잘라낸 대상을 붙여넣기 한다. 커서가 3번째 줄에 있으면 4 번째 줄에 붙여넣기를 실행합니다. dd 는 현재 커서가 있는 라인을 잘라낸다.

4. Do "vi tmpstory", then do "/pigs" in vi, then press "n" for five times, then do ":1,\$s/pigs/lambs/g" in vi, then press "ZZ", then do "cat tmpstory"

- Take a screen shot

```
cat tmpstory
                                This is the test
Once upon a time . . . there were three little lambs, who left their mummy and da
ddy to see the world.
All summer long, they roamed through the woods and over the plains,playing
games and having fun. None were happier than the three little lambs, and they
easily made friends with everyone. Wherever they went, they were given a warm
welcome, but as summer drew to a close, they realized that folk were drifting
back to their usual jobs, and preparing for winter. Autumn came and it began
Once upon a time . . . there were three little lambs, who left their mummy and da
ddy to see the world.
Once upon a time . . . there were three little lambs, who left their mummy and da
ddy to see the world.
Once upon a time . . . there were three little lambs, who left their mummy and da
ddy to see the world.
```

- What is the command ":1,\$s/pigs/lambs/g" for?

첫번째 줄 부터 마지막 줄까지 pigs를 찾아서 lambs로 치환한다.

## PROBLEM

1. Let's assume that we have a file with the following contents.

```
abcdefg abcdefg 12345 12345
abcdefg abcdefg 12345 12345
abcdefg abcdefg 12345 12345
abcdefg abcdefg 12345 12345
abcdefg abcdefg 12345 12345
abcdefg abcdefg 12345 12345
```

Answer the following questions related to vi command.

(1) What is the line mode command for changing every "g" to "G"

Command mode에서 :1,\$s/g/G/g

(2) What is the line mode command for changing every "5" of line 3-5 to "x"

Command mode에서 :3, 5s/5/x/g

(3) What is the line mode command for changing the first "a" of the first line to "A"

Command mode에서 :1s/a/A

(4) Let's assume that your prompt locates on the third line in command mode. What is the command for deleting the 3,4,5 lines?

3dd

(5) Let's assume that your prompt locates on the third line in command mode. What is the command for deleting the last line? (you need to move the cursor)

Gv

(6) Let's assume that your prompt locates on the third line in command mode. What is the command for deleting the 3 ~ last lines without using any number key?

3GV

(7) Let's assume that your prompt locates on the last line in command mode. What is the command for adding the results of "ls -l" command?

:r! ls -l

## 2.

(1) Create a file "diary.txt" with following content (9 lines) by using vi This is the first paragraph, except the date.

Wednesday January 14th

None of the teachers at school have noticed that I am an intellectual. They will be sorry when I am famous. There is a new girl in our class. She sits next to me in Geography Geography. Time flies like an arrow but fruit flies like a banana. She is all right. Her name is Pandora, but she likes being called "Box". Don't ask me why. I might fall in love with her. It's time I fell in love, after all I am 13 3/4 years old.

(2) Go to the end of the document and type in the following paragraph (single line): This is the second paragraph.

Joined the library. Got Care of the Skin, Origin of the Species, and a book by a woman my mother is always going on about. It is called Pride and Prejudice, by a woman called Jane Austen. I could tell the librarian was impressed. Perhaps she is an intellectual like me. She didn't look at my spot, so perhaps it is getting smaller.

(3) Correct the three spelling errors in the first three lines of the first paragraph and remove the extra "Geography" in the 3rd line of the first paragraph.

command line에서 `1G}v}vip`

ESC -> `:set spelln`

수정해야 할 곳으로 커서를 옮겨서 `z=` 후 추천 교정 리스트 중에 고른다.

ESC -> `:3s/Geography//`

(4) Add the word "About time!" to the end of the second paragraph.

ESC -> `1G}}a` About time!입력

(5) Delete the sentence "Time flies like an arrow but fruit flies like a banana.", and make the first paragraph into a single line.

ESC/ -> `:%s/Time flies like an arrow but fruit flies like a banana.//`

ESC -> `1G}v}J`

(6) Replace all occurrences of "is" with "was".

`:%s/is/was/g`

(7) Swap the two paragraph.

ESC -> `1Gv}ddo` + Enter

ESC -> p

(8) Save the file.

`:w`

(9) Save the first line (date) and the second paragraph as "diary1.txt", and quit vi. - The first line : Wednesday ~~ - The second paragraph : None of the teachers ~~~

(10) Take a screenshot of results of "cat diary.txt" and "cat diary1.txt"

```
▶ cat diary.txt
```

```
Wednesday January 14th
```

```
Joined the library. Got Care of the Skin, Origin of the Species, and a book by a woman my mother was always going on about. It was called Pride and Prejudice, by a woman called Jane Austen. I could tell the librarian was impressed. Perhaps she was an intellectual like me. She didn't look at my spot, so perhaps it was getting smaller. About time!
```

```
None of the teachers at school have noticed that I am an intellectual. They will be sorry when I am famous. There was a new girl in our class. She sits next to me in Geography.
```

```
She was all right. Her name was Pandora, but she likes being called "Box".
```

```
Don't ask me why. I might fall in love with her. It's time I fell in love, after all I am 13 3/4 years old.
```

```
mtak ▶ ~/vi_homework
```

```
▶ cat diary1.txt
```

```
Wednesday January 14th
```

```
None of the teachers at school have noticed that I am an intellectual. They will be sorry when I am famous. There was a new girl in our class. She sits next to me in Geography.
```

```
She was all right. Her name was Pandora, but she likes being called "Box".
```

```
Don't ask me why. I might fall in love with her. It's time I fell in love, after all I am 13 3/4 years old.
```

```
mtak ▶ ~/vi_homework
```

```
▶ █
```