2024.10.17	실습 과제		학번	22312072
과제 6	리눅스 사용 기본 명령어 5		**이름**	차민경

• **참고사항**

모든 실습 과제는 각 문항에서 요구하는 문제의 명령어와 그 출력 결과를 동시에 기재하여야 합니다.

예: **오늘 날짜를 출력하는 명령어를 쓰시오.**

답:

date

2024. 10. 17. (목) 15:00:00 KST

1. Shell escape 기능을 사용하여 아래와 같이 출력하시오.

> 제 사용자 이름은 yu-user이고, 현재 시간은 2024. 10. 17. (목) 15:00:00 KST입니다.

답:

```
[yu22312072@acslab-146:~$ echo "제 사용자 이름은 `whoami`이고, 현재 시간은 `date`입니다"
제 사용자 이름은 yu22312072이고, 현재 시간은 2024. 10. 17. (목) 16:01:58 KST입니다
```

2. 홈 디렉터리의 파일 개수를 출력하는 Shell 스크립트 'files.sh'로 작성하시오. 이후, `files.sh` 파일에 `set-user-id`와 `set-group-id` 실행 권한을 부여하고 권한을 출력하시오.

답:

```
yu22312072@acslab-146:~$vi files.sh
find ~ -type f | wc -l
:wq
yu22312072@acslab-146:~$ls -l files.sh
-rw-rw-r-- 1 yu22312072 yu22312072 23 10월 17 16:54 files.sh
yu22312072@acslab-146:~$chmod u+s,g+s files.sh
yu22312072@acslab-146:~$ ls -l files.sh
-rwSrwSr-- 1 yu22312072 yu22312072 23 10월 17 16:58 files.sh
```

/*echo ..

chmod u+s, g+s files.sh

chmod a+x files.sh(모든 사용자에게 x줌)*/

3. `files.sh`를 실행하는 `files_count` 별명을 정의하시오. `files_count` 명령어를 실행하고, `history` 기능을 활용하여 해당 명령어를 재실행하시오.

답:

```
yu22312072@acslab-146:~$ chmod 777 files.sh
yu22312072@acslab-146:~$ ls -l files.sh
-rwxrwxrwx 1 yu22312072 yu22312072 23 10월 17 17:08 files.sh
yu22312072@acslab-146:~$ alias files_count=./files.sh
```

```
yu22312072@acslab-146:~$ files_count
51
yu22312072@acslab-146:~$ history
(생략..)
 1256   files_count
 1257   history
yu22312072@acslab-146:~$ !1256
files_count
51
```

4. vi로 `practice.txt` 파일을 만들고, 파일의 첫 번째 줄에 "Hello, vi!"를 저장하시오.

답:

```
yu22312072@acslab-146:~$ vi pratice.txt
"Hello, vi!"
:wq
yu22312072@acslab-146:~$ cat pratice.txt
"Hello, vi!"
```

5. 실습 서버의 `/opt/you.txt`를 자신의 홈 디렉터리로 복사하고, vi로 5번째 줄에 "5 line" 텍스트를 추가하고 저장하시오.

답:

```
yu22312072@acslab-146:~$ cp /opt/you.txt .
yu22312072@acslab-146:~$ ls
files.sh   pratice.txt   snap   you.txt
yu22312072@acslab-146:~$ chmod 777 you.txt
yu22312072@acslab-146:~$ vi you.txt
When I am down and, oh, my soul, so weary
When troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.
5 line
You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

There is no life - no life without its hunger
Each restless heart beats so imperfectly
But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

You raise me up, so I can stand on mountains
```

You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.
:wq

6. `you.txt`에서 3번째 줄로 이동하고, 해당 줄의 모든 내용을 삭제하시오. 그 다음, 삭제한 내용을 명령 취소 기능을 통해 복원하시오.

아래줄로 이동 j 2번 누르기 //3G

해당 줄 모든 내용 삭제 dd //D (현재 커서 위치부터 줄 끝까지 삭제)

명령 취소 기능 u

7. `you.txt` 파일에서 11번째 줄부터 아래로 3줄 내용을 a 버퍼에 저장하시오. 이후, 파일의 맨 끝 아래에 a 버퍼의 내용을 붙여 넣고 저장하시오.

yu22312072@acslab-146:~$ vi you.txt

11G //G생략 가능

"a3yy //3yy(버퍼x)

:$ //L(현재 화면), G

p

:wq

yu22312072@acslab-146:~$ cat you.txt
When I am down and, oh, my soul, so weary
Wkhen troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

There is no life - no life without its hunger
Each restless heart beats so imperfectly
But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.

You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders
You raise me up to more than I can be.
You raise me up, so I can stand on mountains
You raise me up to walk on stormy seas
I am strong when I am on your shoulders

8. `you.txt` 파일에서 모든 "raise" 글자를 "apple"로 변경한 후, 저장하시오.

yu22312072@acslab-146:~$ vi you.txt

:1,$s/raise/apple //%, .,$

:wq

yu22312072@acslab-146:~$ cat you.txt
When I am down and, oh, my soul, so weary
Wkhen troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

There is no life – no life without its hunger
Each restless heart beats so imperfectly
But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.
You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders

9. vi에서 `you.txt` 파일이 열려있는 동안, vi를 잠시 빠져나가서 `you.txt`를 복사한 `you2.txt`를 만드시오. 이후, 다시 vi로 진입하시오.

yu22312072@acslab-146:~$ vim you.txt

:sh

yu22312072@acslab-146:~$ cp you.txt you2.txt
yu22312072@acslab-146:~$ exit
exit
:wq
yu22312072@acslab-146:~$ cat you3.txt
When I am down and, oh, my soul, so weary
Wkhen troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

There is no life - no life without its hunger
Each restless heart beats so imperfectly
But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.

You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders
You apple me up to more than I can be.
You apple me up, so I can stand on mountains
You apple me up to walk on stormy seas
I am strong when I am on your shoulders

//:!cp you.txt you2.txt

10. `vi you.txt you2.txt` 명령어를 통해 두 파일을 순서대로 열고, `you.txt`에서는 모든 "You" 글자를 "He"로 바꾼 후 저장하시오. 다음으로, `you2.txt`에서는 모든 "You" 글자를 "She"로 바꾼 후 저장하시오.

yu22312072@acslab-146:~$ vi you.txt you2.txt
2 files to edit
:1,$s/You/He

:w

:n

:1,$s/You/She

:w

:q

yu22312072@acslab-146:~$ cat you.txt
When I am down and, oh, my soul, so weary
Wkhen troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.

He apple me up, so I can stand on mountains
He apple me up to walk on stormy seas

I am strong when I am on your shoulders
He apple me up to more than I can be.

He apple me up, so I can stand on mountains
He apple me up to walk on stormy seas
I am strong when I am on your shoulders
He apple me up to more than I can be.

There is no life – no life without its hunger
Each restless heart beats so imperfectly
But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

He apple me up, so I can stand on mountains
He apple me up to walk on stormy seas
I am strong when I am on your shoulders
He apple me up to more than I can be.

He apple me up, so I can stand on mountains
He apple me up to walk on stormy seas
I am strong when I am on your shoulders
He apple me up to more than I can be.
He apple me up, so I can stand on mountains
He apple me up to walk on stormy seas
I am strong when I am on your shoulders
yu22312072@acslab-146:~$ cat you2.txt
When I am down and, oh, my soul, so weary
Wkhen troubles come and my heart burdened be
Then I am still and wait here in the silence,
Until you come and sit awhile with me.

She apple me up, so I can stand on mountains
She apple me up to walk on stormy seas
I am strong when I am on your shoulders
She apple me up to more than I can be.

She apple me up, so I can stand on mountains
She apple me up to walk on stormy seas
I am strong when I am on your shoulders
She apple me up to more than I can be.

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But when you come and I am filled with wonder,
Sometimes, I think I glimpse eternity.

She apple me up, so I can stand on mountains
She apple me up to walk on stormy seas
I am strong when I am on your shoulders
She apple me up to more than I can be.

She apple me up, so I can stand on mountains
She apple me up to walk on stormy seas
I am strong when I am on your shoulders
She apple me up to more than I can be.
She apple me up, so I can stand on mountains

She apple me up to walk on stormy seas
I am strong when I am on your shoulders