

About Linus shell commands

32202733 HyunTaek Oh

1. pwd

- “pwd” command is used to print the information of the currently working directory.

```
Last login: Wed Sep 23 11:50:11 on console
apple@hyeontegui: ~ /desktop
apple@hyeontegui: ~ /desktop
apple@hyeontegui: ~ /desktop
apple@hyeontegui: ~ /desktop
```

2. cd(change directory)

- “cd” command is used to move the path of directory.

```
Last login: Wed Sep 23 11:50:11 on console  
apple@ohyeonteguiMac ~ % pwd  
/Users/apple  
apple@ohyeonteguiMac ~ %
```

3. ls(list)

- “ls” command is used to find the list of directories.

```

apple@ohyeonteguiMac: ~/desktop/hello
Last login: Wed Sep 23 11:50:11 on console
apple@ohyeonteguiMac ~ %
apple@ohyeonteguiMac ~ % pwd
apple@ohyeonteguiMac ~ % cd desktop
apple@ohyeonteguiMac ~/desktop %
apple@ohyeonteguiMac ~/desktop % cd hello
apple@ohyeonteguiMac ~/desktop/hello %
helloworld
apple@ohyeonteguiMac ~/desktop/hello % ls -a
.
..
.vscode helloworld
apple@ohyeonteguiMac ~/desktop/hello % ls -al
total 0
drwxr-xr-x@ 4 apple staff 128 9 21 19:22 .
drwxr-xr-x@ 54 apple staff 1728 9 23 21:58 ..
drwxr-xr-x@ 3 apple staff 96 9 21 19:22 .vscode
drwxr-xr-x@ 5 apple staff 160 9 21 19:22 helloworld
apple@ohyeonteguiMac ~/desktop/hello %

```

4. cp(copy)

- “cp” command is used to copy file or directory.
- If to copy the directory, we need to give “-r” option to the command.

```

apple@ohyeonteguiMac: ~/desktop/hello
Last login: Wed Sep 23 11:50:11 on console
apple@ohyeonteguiMac ~ %
apple@ohyeonteguiMac ~ % pwd
apple@ohyeonteguiMac ~ % cd desktop
apple@ohyeonteguiMac ~/desktop %
apple@ohyeonteguiMac ~/desktop % cd hello
apple@ohyeonteguiMac ~/desktop/hello %
helloworld
apple@ohyeonteguiMac ~/desktop/hello % ls -a
.
..
.vscode helloworld
apple@ohyeonteguiMac ~/desktop/hello % ls -al
total 0
drwxr-xr-x@ 4 apple staff 128 9 21 19:22 .
drwxr-xr-x@ 54 apple staff 1728 9 23 21:58 ..
drwxr-xr-x@ 3 apple staff 96 9 21 19:22 .vscode
drwxr-xr-x@ 5 apple staff 160 9 21 19:22 helloworld
apple@ohyeonteguiMac ~/desktop/hello % cp helloworld
usage: cp [-R [-H | -L | -P]] [-f] [-n] [-apvXc] source_file target_file
      cp [-R [-H | -L | -P]] [-f] [-n] [-apvXc] source_file ... target_directory
apple@ohyeonteguiMac ~/desktop/hello % ls
helloworld
apple@ohyeonteguiMac ~/desktop/hello % cp helloworld hello
cp: helloworld is a directory [not copied].
apple@ohyeonteguiMac ~/desktop/hello % cp -r helloworld hello
apple@ohyeonteguiMac ~/desktop/hello % ls
hello helloworld
apple@ohyeonteguiMac ~/desktop/hello %

```

5. mv(move)

- “mv” command is used to move the file or directory or to change the name of the file.
- To move the directory, mv command doesn't require any options.

```

apple@ohyonteguiMac: ~/desktop/hello
Last login: Wed Sep 23 11:50:11 on console
apple@ohyonteguiMac ~ ➤ pwd
/Users/apple
apple@ohyonteguiMac ~ ➤ cd desktop
apple@ohyonteguiMac ~/desktop ➤ cd hello
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ ls -a
.
..
.apple .vscode helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ ls -al
total 0
drwxr-xr-x@ 4 apple staff 128 9 21 19:22 .
drwxr-xr-x@ 54 apple staff 1728 9 23 21:58 ..
drwxr-xr-x@ 3 apple staff 96 9 21 19:22 .vscode
drwxr-xr-x@ 5 apple staff 160 9 21 19:22 helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ cp helloworld
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file target_file
      cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file ... target_directory
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ cp helloworld hello
cp: helloworld is a directory (not copied).
apple@ohyonteguiMac ~/desktop/hello ➤ cp -r helloworld hello
apple@ohyonteguiMac ~/desktop/hello ➤ ls
hello helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ mv hello helloworld2
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld helloworld2
apple@ohyonteguiMac ~/desktop/hello ➤

```

6. mkdir(make directory)

- “mkdir” command is used to create the directory.
- By using “-p” option, we can make down directory by once.

```

apple@ohyonteguiMac: ~/desktop/hello
Last login: Wed Sep 23 11:50:11 on console
apple@ohyonteguiMac ~ ➤ cd desktop
apple@ohyonteguiMac ~/desktop ➤ cd hello
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ ls -a
.
..
.apple .vscode helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ ls -al
total 0
drwxr-xr-x@ 4 apple staff 128 9 21 19:22 .
drwxr-xr-x@ 54 apple staff 1728 9 23 21:58 ..
drwxr-xr-x@ 3 apple staff 96 9 21 19:22 .vscode
drwxr-xr-x@ 5 apple staff 160 9 21 19:22 helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ cp helloworld
usage: cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file target_file
      cp [-R [-H | -L | -P]] [-fi | -n] [-apvXc] source_file ... target_directory
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ cp helloworld hello
cp: helloworld is a directory (not copied).
apple@ohyonteguiMac ~/desktop/hello ➤ cp -r helloworld hello
apple@ohyonteguiMac ~/desktop/hello ➤ ls
hello helloworld
apple@ohyonteguiMac ~/desktop/hello ➤ mv hello helloworld2
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld helloworld2
apple@ohyonteguiMac ~/desktop/hello ➤ mkdir helloworld3
apple@ohyonteguiMac ~/desktop/hello ➤ ls
helloworld helloworld2 helloworld3
apple@ohyonteguiMac ~/desktop/hello ➤

```

7. rm(remove)

- “rm” command is used to delete the file or directory.
- If we want to delete directory, we need to use option “-r”.
- By using “-f” option, we can delete the file without confirm.

```
apple@ohyeonteguiiMac ~ ~/desktop/hello ls
helloworld helloworld2 helloworld3
apple@ohyeonteguiiMac ~ ~/desktop/hello rm -r helloworld3
apple@ohyeonteguiiMac ~ ~/desktop/hello ls
helloworld helloworld2
apple@ohyeonteguiiMac ~ ~/desktop/hello
```

8. touch

- Change the recent update time of the file or directory to current time.
- If the file or directory doesn't exist, make an empty file.

```
apple@ohyeonteguiiMac ~ ~/desktop/hello ls
helloworld helloworld2
apple@ohyeonteguiiMac ~ ~/desktop/hello touch helloworld
apple@ohyeonteguiiMac ~ ~/desktop/hello ls -l
total 0
drwxr-xr-x@ 5 apple staff 160 9 23 22:13 helloworld
drwxr-xr-x@ 5 apple staff 160 9 23 22:11 helloworld2
apple@ohyeonteguiiMac ~ ~/desktop/hello
```

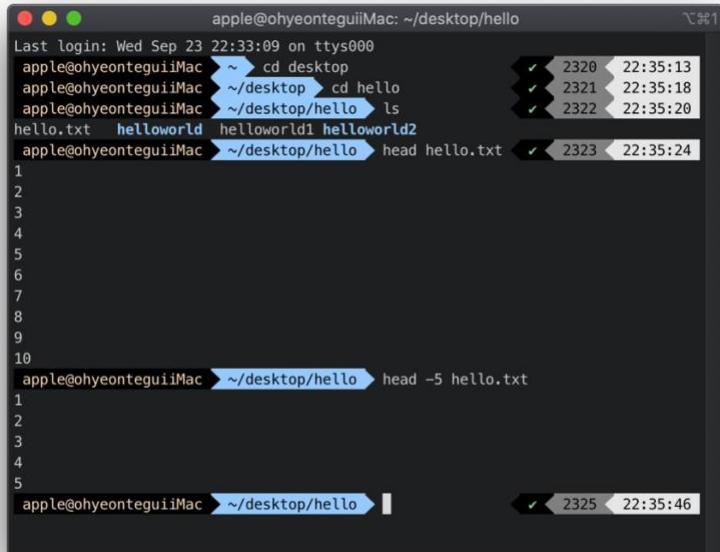
9. cat(concatenate)

- “cat” command can be use in various ways.
- We can use cat command just to print the value of the file, combine several files into one file, and can make new file.

```
apple@ohyeonteguiiMac ~ ~/desktop/hello cat helloworld
cat: helloworld: Is a directory
apple@ohyeonteguiiMac ~ ~/desktop/hello cat helloworld3
cat: helloworld3: No such file or directory
apple@ohyeonteguiiMac ~ ~/desktop/hello cat helloworld helloworld2 > helloworld1
cat: helloworld: Is a directory
cat: helloworld2: Is a directory
apple@ohyeonteguiiMac ~ ~/desktop/hello ls
helloworld helloworld1 helloworld2
apple@ohyeonteguiiMac ~ ~/desktop/hello
```

10. head

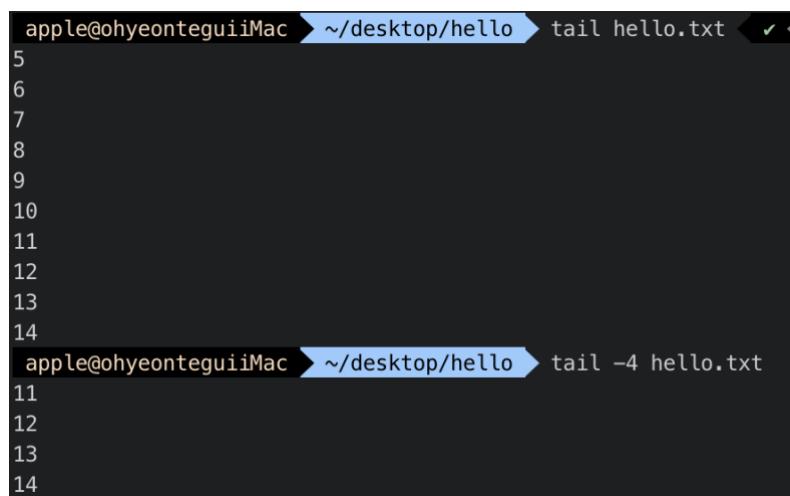
- “head” command show the value of the file from top to bottom.
- Without option, the command will show the value of file from top to 10.



```
apple@ohyeonteguiiMac: ~/desktop/hello
Last login: Wed Sep 23 22:33:09 on ttys000
apple@ohyeonteguiiMac ~ cd desktop
apple@ohyeonteguiiMac ~/desktop cd hello
apple@ohyeonteguiiMac ~/desktop/hello ls
hello.txt helloworld helloworld1 helloworld2
apple@ohyeonteguiiMac ~/desktop/hello head hello.txt
1
2
3
4
5
6
7
8
9
10
apple@ohyeonteguiiMac ~/desktop/hello head -5 hello.txt
1
2
3
4
5
apple@ohyeonteguiiMac ~/desktop/hello
```

11. tail

- “tail” command show the value of the file from bottom to top.
- Without option, the command will show the value of file from bottom to 10.
- With “-f” option, we can update the updated value if the file has changed.



```
apple@ohyeonteguiiMac ~/desktop/hello tail hello.txt
5
6
7
8
9
10
11
12
13
14
apple@ohyeonteguiiMac ~/desktop/hello tail -4 hello.txt
11
12
13
14
```

12. find

- “find” command search the specific file or directory.
- We can use this command by “ find [path] -name[name of file]”.

```
apple@ohyeonteguiiMac ~/desktop/hello ➤ find hello.txt ✓
hello.txt
apple@ohyeonteguiiMac ~/desktop/hello ➤ ls ✓
hello.txt helloworld helloworld1 helloworld2
apple@ohyeonteguiiMac ~/desktop/hello ➤ find ./ -name '*.py'
apple@ohyeonteguiiMac ~/desktop/hello ➤ find ./ -name '*.c'
./helloworld/hello.c
./helloworld2/hello.c
apple@ohyeonteguiiMac ~/desktop/hello ➤
```