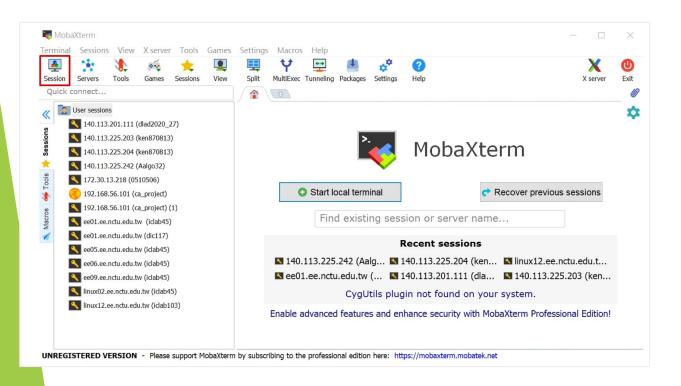
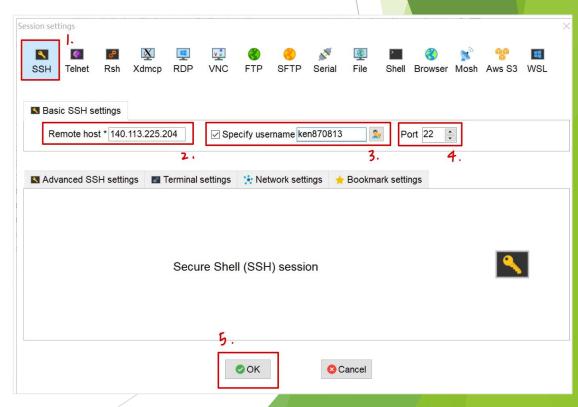
Introduction to Linux Server

MobaXterm

Google "Mobaxterm" and download it to connect workstation.

▶ Using IP: 140.113.225.204

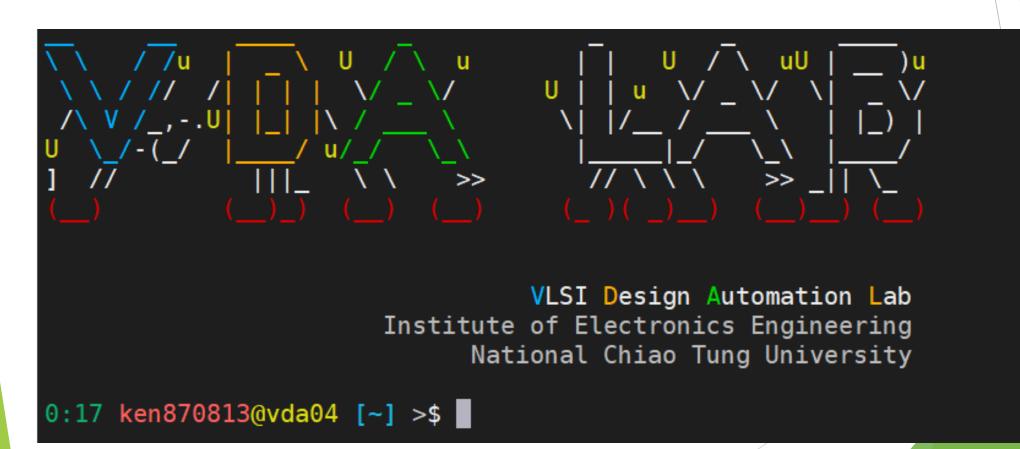




On workstation

- Login
 - ► Password default: 2021pda

🙀 ken870813@140.113.225.204's password: 📗



On workstation

- Account/Password
 - ▶ Remember to change your password when you login the sever first time.

```
0:17 ken870813@vda04 [~] >$ passwd
Changing password for user ken870813.
Changing password for ken870813.
(current) UNIX password:
New password:
Retype new password:
```

On workstation - Linux command

. 代表此層目錄 .. 代表上一層目錄

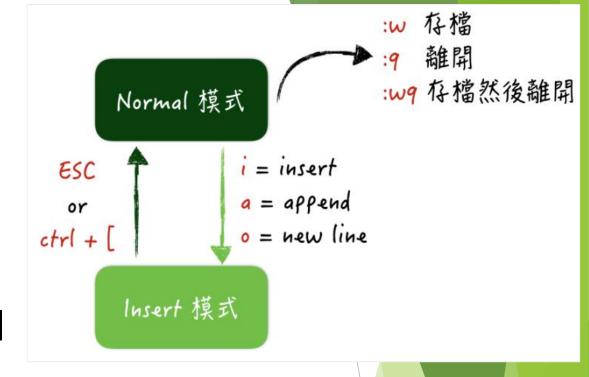
- cd (change directory)
- ▶ ls (list files)
- mkdir (Make a new empty directory)
 - mkdir "directory name"
- rm (remove the file)
 - rm "file name"
- cp (copy file)
 - cp "file name" "new file name"
- mv (move file or change file name)
 - mv "file name" "new file name"
- tab can help!

```
0:27 ken870813@vda04 [~] >$ cd directory/
0:27 ken870813@vda04 [~/directory] >$ cd .
0:28 ken870813@vda04 [~/directory] >$ ls
test.txt
0:28 ken870813@vda04 [~/directory] >$ mkdir 123
0:28 ken870813@vda04 [~/directory] >$ cp test.txt test2.txt
0:29 ken870813@vda04 [~/directory] >$ ls
123/ test2.txt test.txt
0:29 ken870813@vda04 [~/directory] >$ mv test2.txt TEST2.txt
0:30 ken870813@vda04 [~/directory] >$ ls
     TEST2.txt test.txt
0:30 ken870813@vda04 [~/directory] >$ mv TEST2.txt 123/
0:31 ken870813@vda04 [~/directory] >$ cd 123/
0:31 ken870813@vda04 [~/directory/123] >$ ls
TEST2.txt
0:31 ken870813@vda04 [~/directory/123] >$ rm TEST2.txt
0:31 ken870813@vda04 [~/directory/123] >$ ls
0:31 ken870813@vda04 [~/directory/123] >$
0:31 ken870813@vda04 [~/directory/123] >$ cd ../
0:32 ken870813@vda04 [~/directory] >$
```

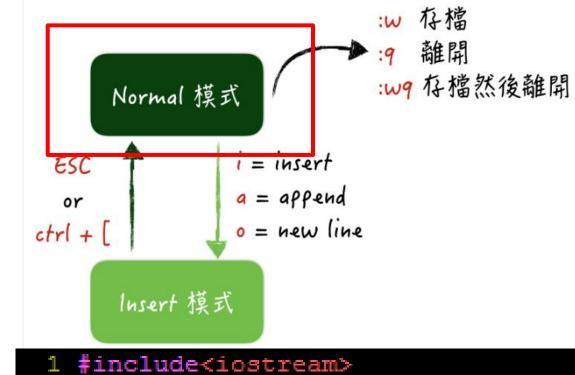
- Vim(open a file or create a new file)
 - vim "file name"

```
3:13 2013D501@vda03 [~] >$ vim main.cpp
```

- ▶ i/a/o (insert mode)
- esc (leave insert mode)

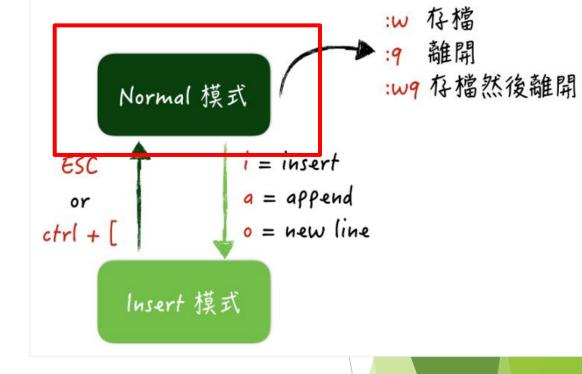


- :w(write the file)
- :wq (write the file and quit vim)
- :q! (using q! to quit vim without writing the file)
- :set nu (show the number of line)

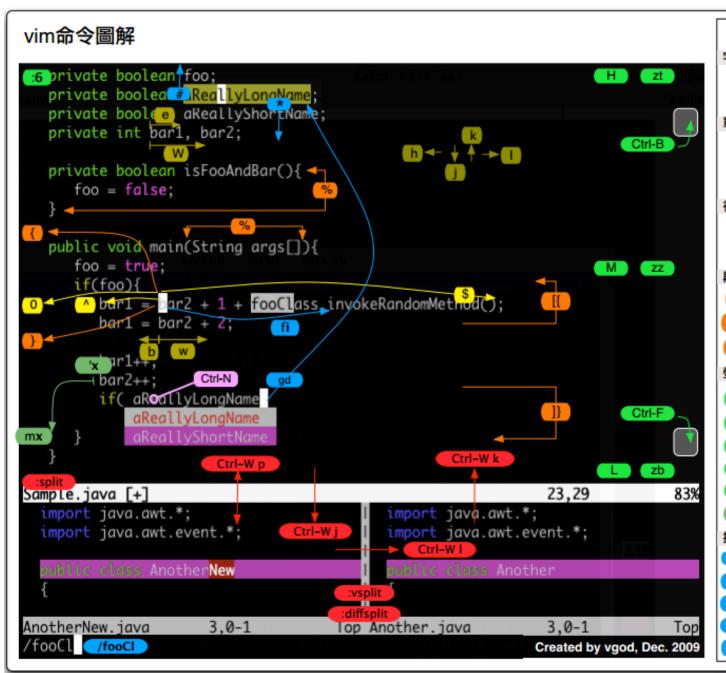


```
2
3 using namespace std;
4
5 int main()
6 {
7     cout<<"i love DS >\\\\ \n";
8     return 0;
9 }
10
~
```

- dd (delete one line)
 - Or dnd (ex: d3d)
- yy (copy one line)
 - Or yny (ex: y3y)
- p (paste)
- gg/G (goto first line/last line)



- /" keyword" (search keyword in file)
 - Ex: /abc
 - ► Tape n/N to go up/down
- :sp "file" (split into two windows)
- :vsp "file (vertical split)



游標移動/範圍單位
字元(character)
(h (j) (k) (l)
∓ ∓ ∓
單字(word)
w b 前/後個單字
W 前/後個單字(跳過符號)
e 單字尾端
行(line)
0 行頭 (\$) 行尾
^ 行頭(非空白字元)
段落(paragraph)、區塊(block)
【 上一段 】 下一段
[{ 區塊頭]} 區塊尾
% 對應括號
螢幕(screen)、檔案(file)
H 螢幕頂端 zt 捲至頂端
M 螢幕中間 zz 捲至中間
L 螢幕底部 zb 捲至底部
C-B 上一頁 C-F 下一頁
gg 檔頭 G 檔尾
mx 標記x 'x 跳至標記x
搜尋(search)
* # 向後/向前搜尋目前單字
fx 向後搜尋字元×

跳至目前單字的定義位置

下/上一個搜尋結果

搜尋xxx

/xxx



On workstation

- Compile
 - g++ "file name" -o "execution name"

```
3:29 cch927@vda03 [~/course/DS] >$ g++ main.cpp -o test.exe
3:29 cch927@vda03 [~/course/DS] >$ 1s
main.cpp test.exe*
3:29 cch927@vda03 [~/course/DS] >$
```

Reference

- ▶ 鳥哥的Linux私房菜
 - http://linux.vbird.org/linux_basic/0310vi.php
- Vim
 - Webpage http://www.vim.org/