基本工作站和**Linux**教學

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Speaker:

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Outline

1. 工作站基本使用教學

2. Linux基本指令教學

3. 如何登出工作站

Outline

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工作站使用教學

☐ 個人電腦
➔ 作業系統為**Linux CentOS5**
➔ 登入帳號及密碼與登入工作站相同
☐ 目前可登入的工作站
➔ **vlsicad1**
➔ **vlsicad2**
➔ **vlsicad3**

工作站使用教學

□ 登入步驟

1. 登入畫面中輸入帳號/密碼
2. 登入後，在【桌面空白處按右鍵】
3. 選擇【開啟終端機】
4. 輸入【ssh –X 工作站名稱】
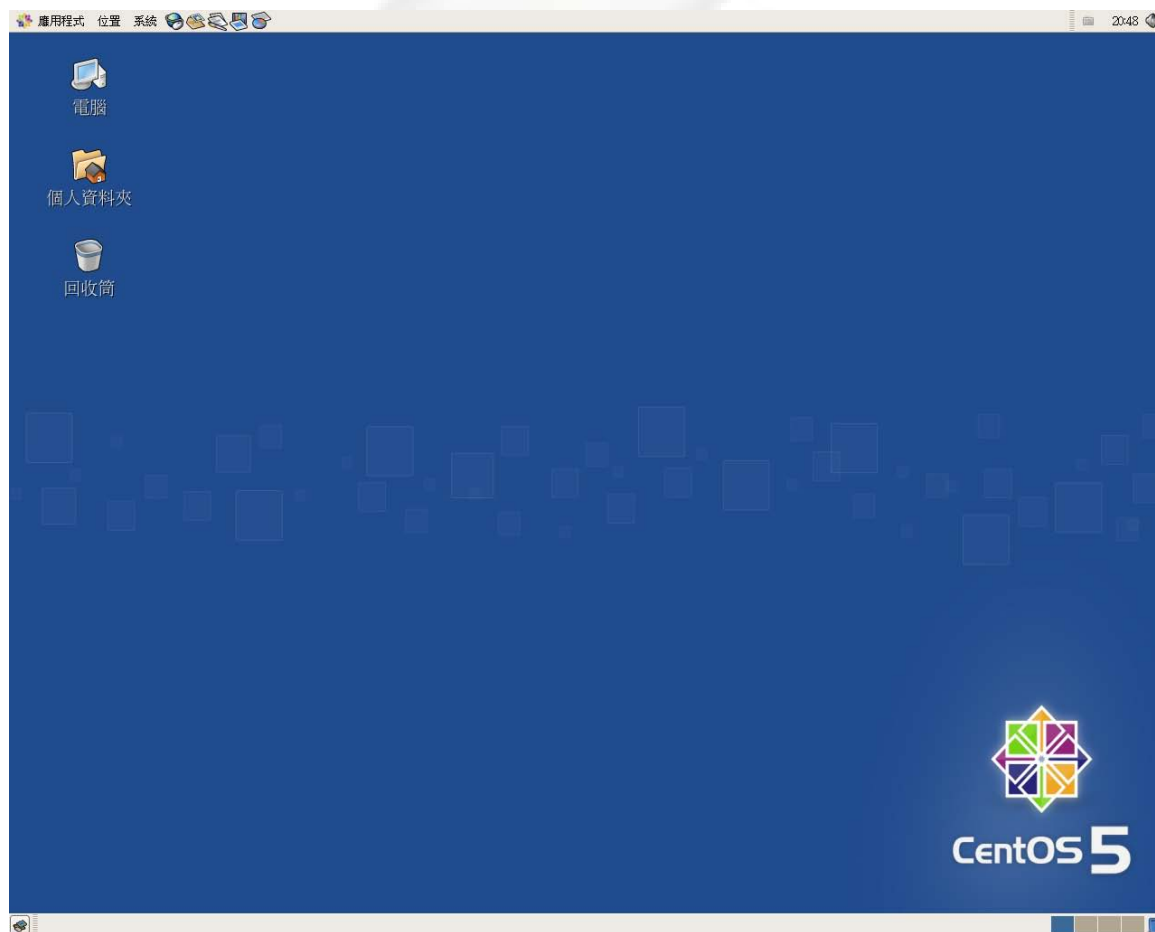5. 開始使用工作站

登入步驟 (1/5)
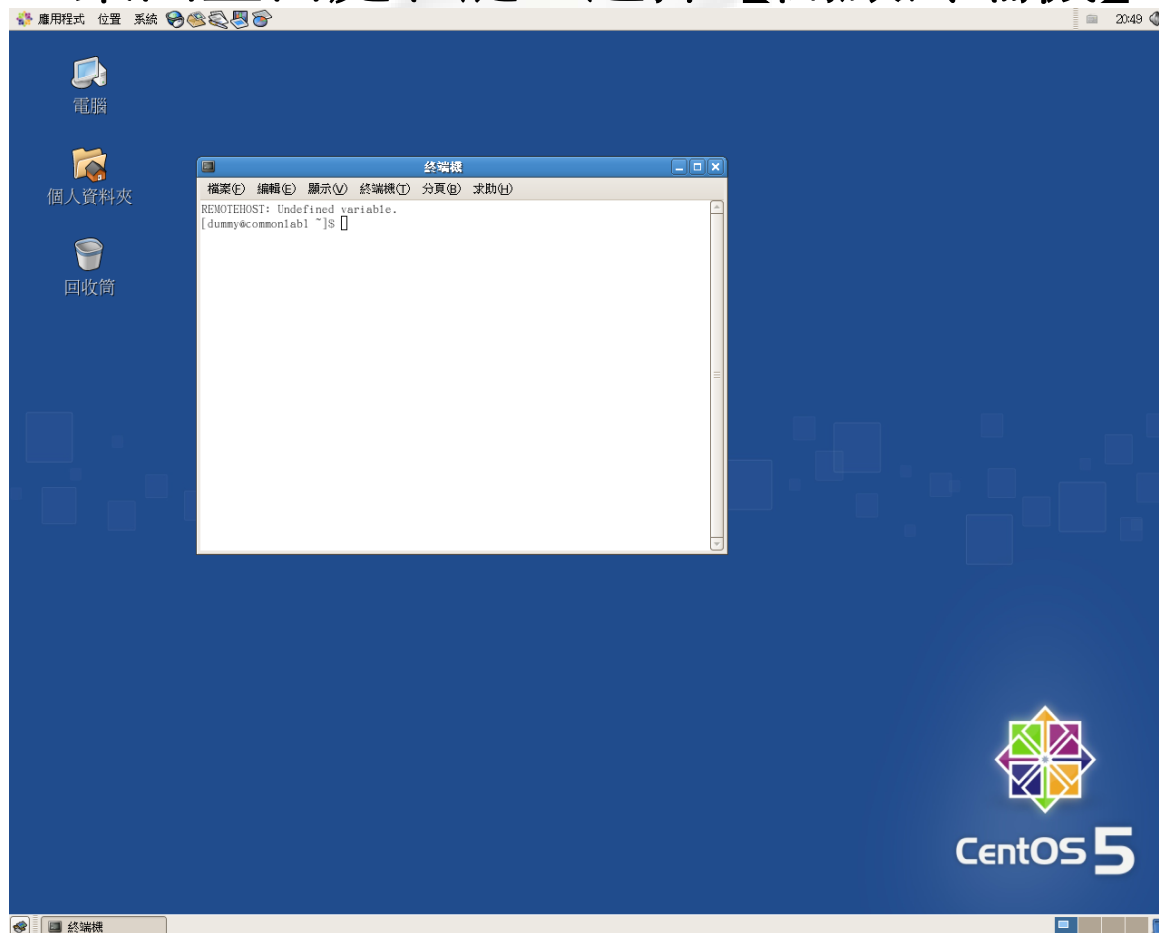
□ **輸入帳號及密碼 (與工作站相同)**

➔ 第一次登入工作站後需要自行設定密碼

登入步驟 (2/5)

☐ 登入後的桌面狀況

登入步驟 (3/5)

☐ 桌面空白處右鍵➔選擇【開啟終端機】
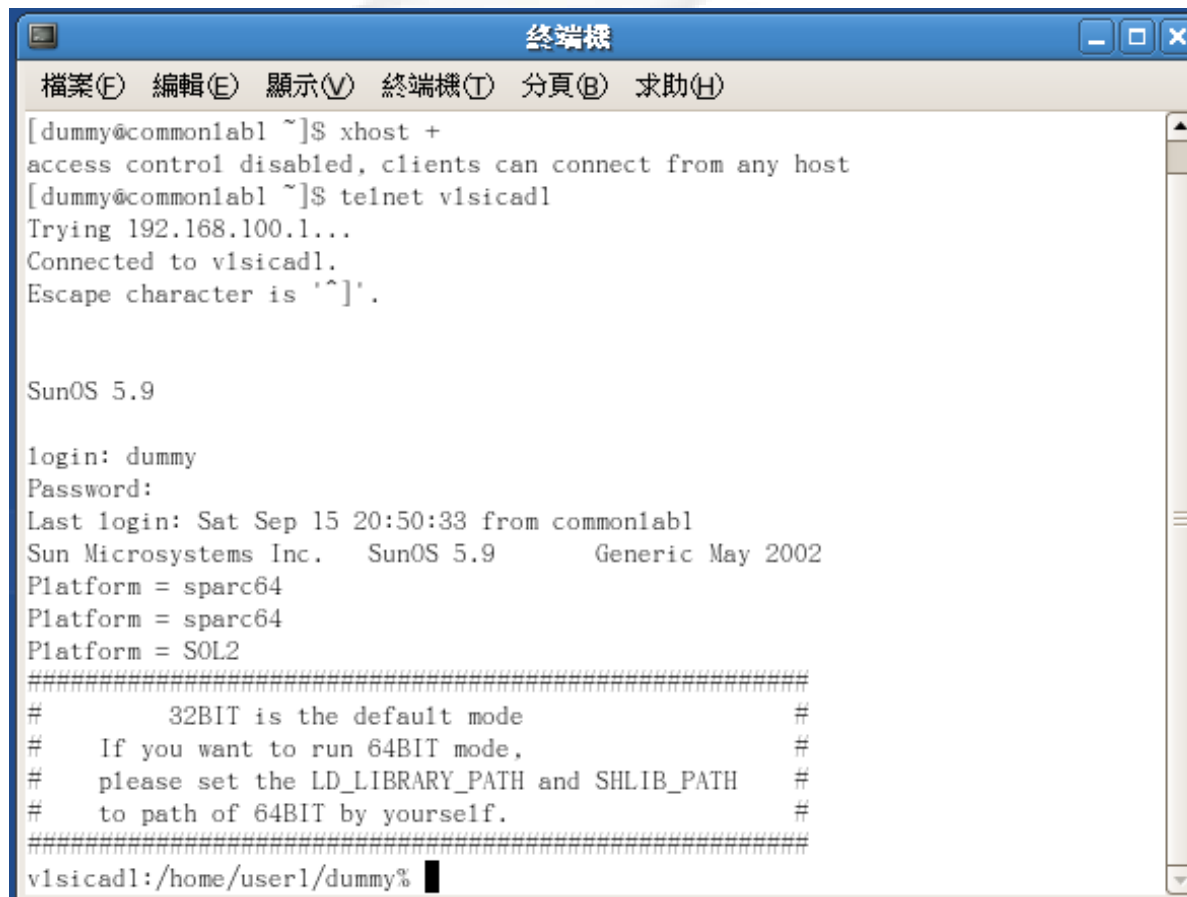
登入步驟 **(4/5)**

□ 輸入 **ssh –X** 工作站名稱 **(ex: vlsicad3)**

登入步驟 (5/5)

☐ 登入工作站成功**!!**

```
[dummy@common1ab1 ~]$ xhost +
access control disabled, clients can connect from any host
[dummy@common1ab1 ~]$ telnet v1sicad1
Trying 192.168.100.1...
Connected to v1sicad1.
Escape character is '^]'.


SunOS 5.9

login: dummy
Password:
Last login: Sat Sep 15 20:50:33 from common1ab1
Sun Microsystems Inc.   SunOS 5.9        Generic May 2002
Platform = sparc64
Platform = sparc64
Platform = SOL2
##########################################################
#          32BIT is the default mode                     #
#     If you want to run 64BIT mode,                     #
#     please set the LD_LIBRARY_PATH and SHLIB_PATH      #
#     to path of 64BIT by yourself.                      #
##########################################################
v1sicad1:/home/user1/dummy% ▊
```

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指令:ls

□ls

➔ **Show you all files and directories**

□ls –a

➔ **Show you all files, even files that are hidden**

□ls –l
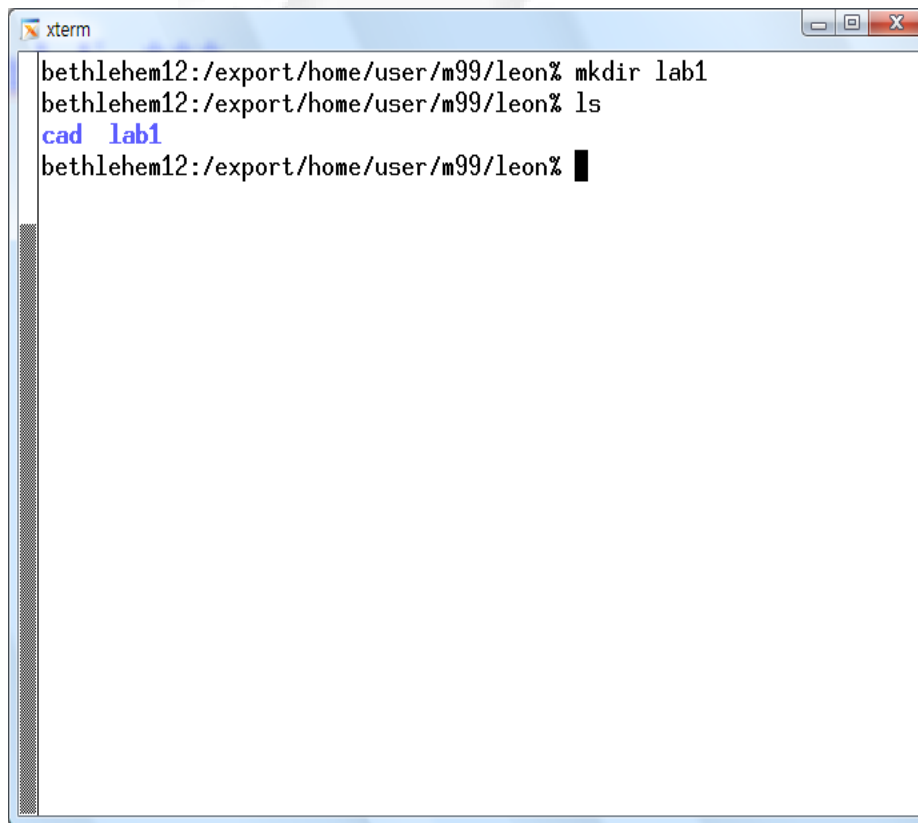
➔**shows you huge amounts of information (permissions, owners, size, and when last modified.)**

指令: **mkdir**

☐ **mkdir lab1**

➔ **create a lab1 directory**

指令: cd
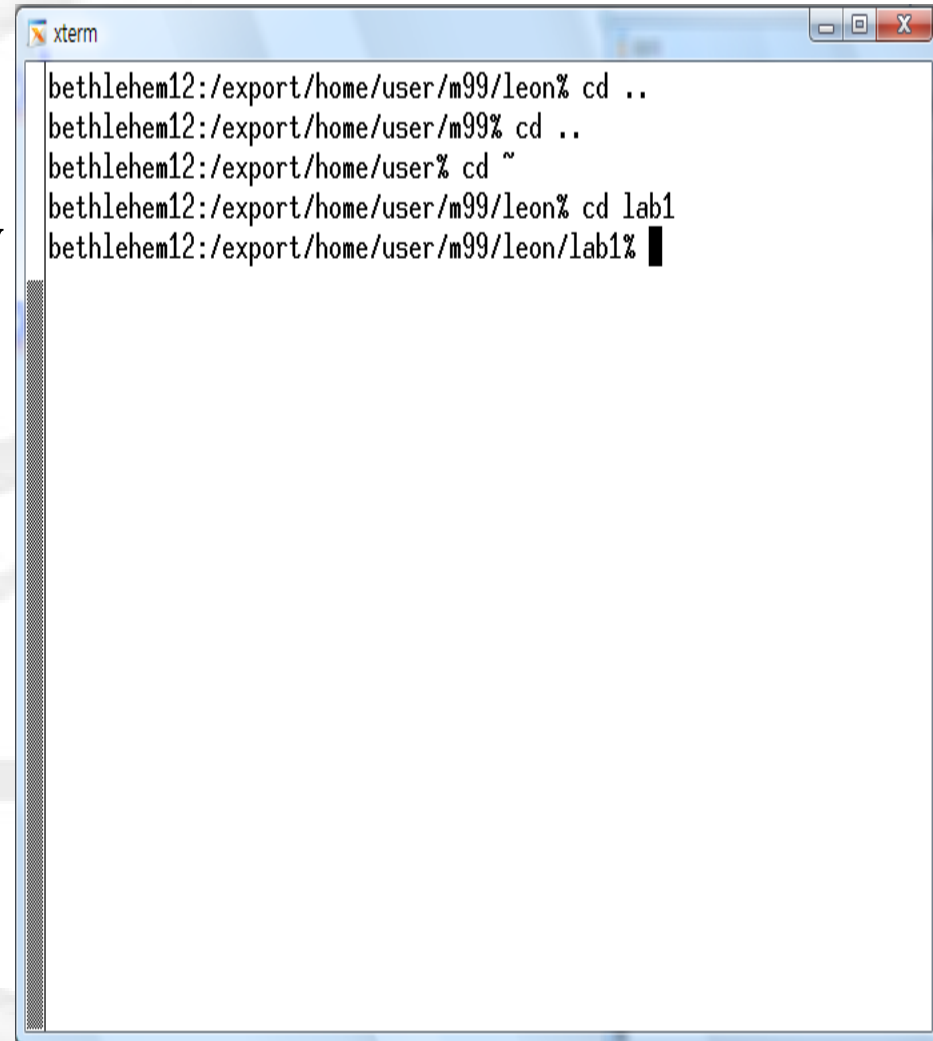
- **cd ..**
  - ➔ **go back to last directory**
- **cd ~**
  - ➔ **go back to home directory**
- **cd lab1**
  - ➔ **go to lab1 directory**

```
xterm

bethlehem12:/export/home/user/m99/leon% cd ..
bethlehem12:/export/home/user/m99% cd ..
bethlehem12:/export/home/user% cd ~
bethlehem12:/export/home/user/m99/leon% cd lab1
bethlehem12:/export/home/user/m99/leon/lab1% █
```

指令: **gedit**

□ **gedit**
  ➔ **editor**

```
bethlehem12:/export/home/user/m99/leon/lab1% gedit&
[1] 32328
bethlehem12:/export/home/user/m99/leon/lab1% █
```
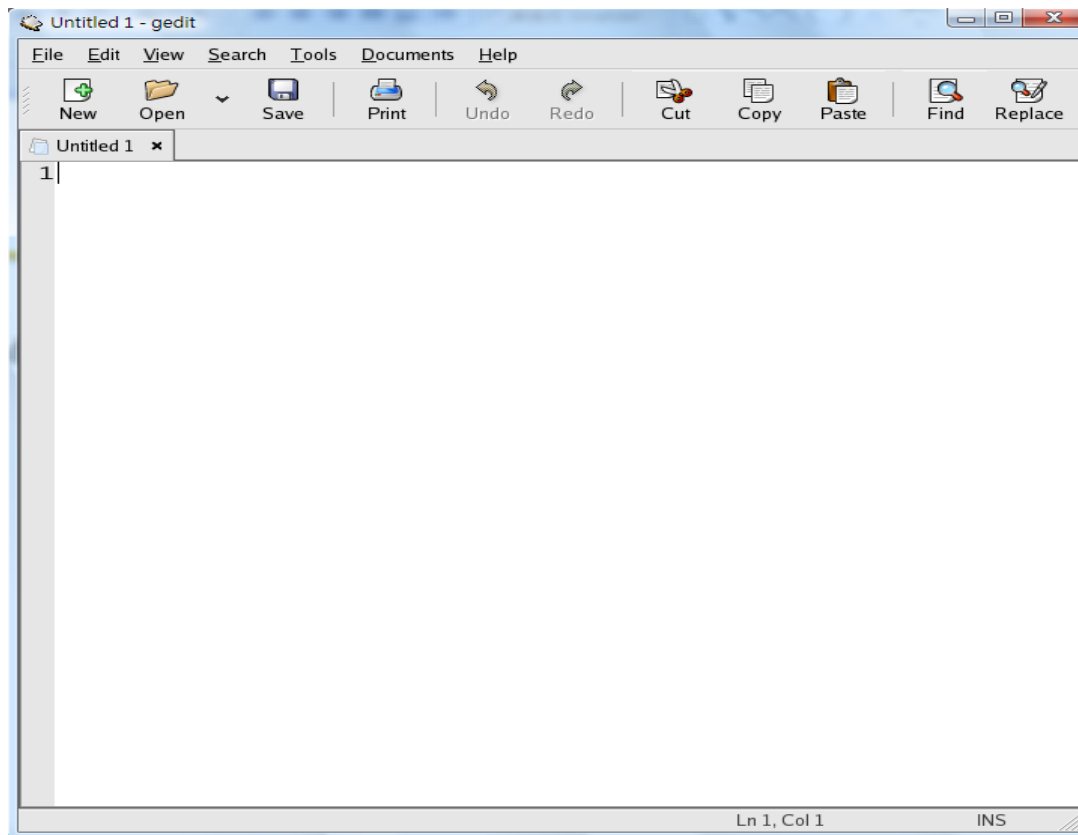
指令: **gedit**
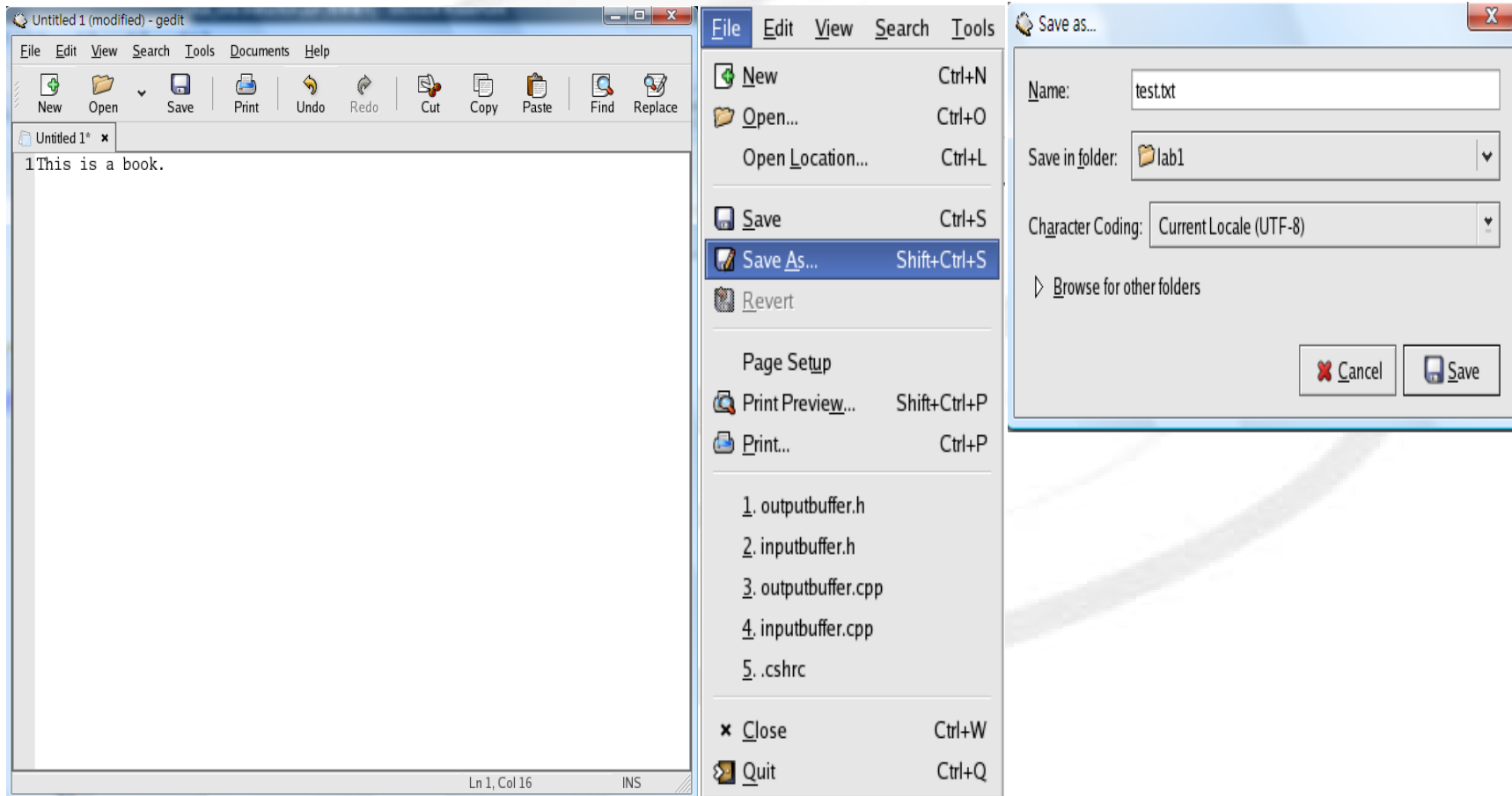
指令:cp

□ **cp test.txt homework.txt**

➔ **copy file from test.txt to homework.txt**

□ **cp –r lab1 lab2**

➔ **copy all subdirectories and files under lab1 directory to lab2 directory**

```
bethlehem12:/export/home/user/m99/leon/lab1% cp test.txt homework.txt
bethlehem12:/export/home/user/m99/leon/lab1% ls
homework.txt  test.txt
bethlehem12:/export/home/user/m99/leon/lab1% cd ..
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1
bethlehem12:/export/home/user/m99/leon% cp -r lab1 lab2
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab2
bethlehem12:/export/home/user/m99/leon% cd lab2
bethlehem12:/export/home/user/m99/leon/lab2% ls
homework.txt  test.txt
bethlehem12:/export/home/user/m99/leon/lab2%
```

指令:mv

□ **mv test.txt homework1.txt**

  ➔ **modify test.txt to homework1.txt**

□ **mv homework1.txt ~/lab1**

  ➔ **move homework1.txt file to lab1 directory**

□ **mv lab2 lab3**

  ➔ **modify lab2directory to lab3 directory**

```
bethlehem12:/export/home/user/m99/leon/lab2% mv test.txt homework1.txt
bethlehem12:/export/home/user/m99/leon/lab2% ls
homework1.txt  homework.txt
bethlehem12:/export/home/user/m99/leon/lab2% mv homework1.txt ~/lab1
bethlehem12:/export/home/user/m99/leon/lab2% cd ..
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab2
bethlehem12:/export/home/user/m99/leon% cd lab1
bethlehem12:/export/home/user/m99/leon/lab1% ls
homework1.txt  homework.txt  test.txt
bethlehem12:/export/home/user/m99/leon/lab1% cd ..
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab2
bethlehem12:/export/home/user/m99/leon% mv lab2 lab3
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab3
bethlehem12:/export/home/user/m99/leon%
```

指令:rm

- **rm test.txt**
  - ➔ **delete test.txt file**
- **rm -r lab3**
  - ➔ **Delete lab3 all subdirectories and files under director**

```
xterm                                                        _ □ X

bethlehem12:/export/home/user/m99/leon% cd lab1
bethlehem12:/export/home/user/m99/leon/lab1% ls
homework1.txt  homework.txt  test.txt
bethlehem12:/export/home/user/m99/leon/lab1% rm test.txt
bethlehem12:/export/home/user/m99/leon/lab1% ls
homework1.txt  homework.txt
bethlehem12:/export/home/user/m99/leon/lab1% cd ..
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab3
bethlehem12:/export/home/user/m99/leon% rm -r lab3
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1
bethlehem12:/export/home/user/m99/leon%
```

指令:tar

- **tar -cvf lab1.tar lab1**
  - → **directory of lab1 package lab1.tar file**
- **tar -xvf lab1.tar**
  - → **lab1.tar restore to original directory**


```
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1
bethlehem12:/export/home/user/m99/leon% tar -cvf lab1.tar lab1
lab1/
lab1/homework.txt
lab1/homework1.txt
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab1.tar
bethlehem12:/export/home/user/m99/leon% rm -r lab1
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1.tar
bethlehem12:/export/home/user/m99/leon% tar -xvf lab1.tar
lab1/
lab1/homework.txt
tar: lab1/homework.txt: time stamp 2009-02-18 14:52:58 is 9056 s in the future
lab1/homework1.txt
tar: lab1/homework1.txt: time stamp 2009-02-18 14:53:56 is 9114 s in the future
tar: lab1: time stamp 2009-02-18 15:12:51 is 10249 s in the future
bethlehem12:/export/home/user/m99/leon% ls
cad  lab1  lab1.tar
bethlehem12:/export/home/user/m99/leon%
```
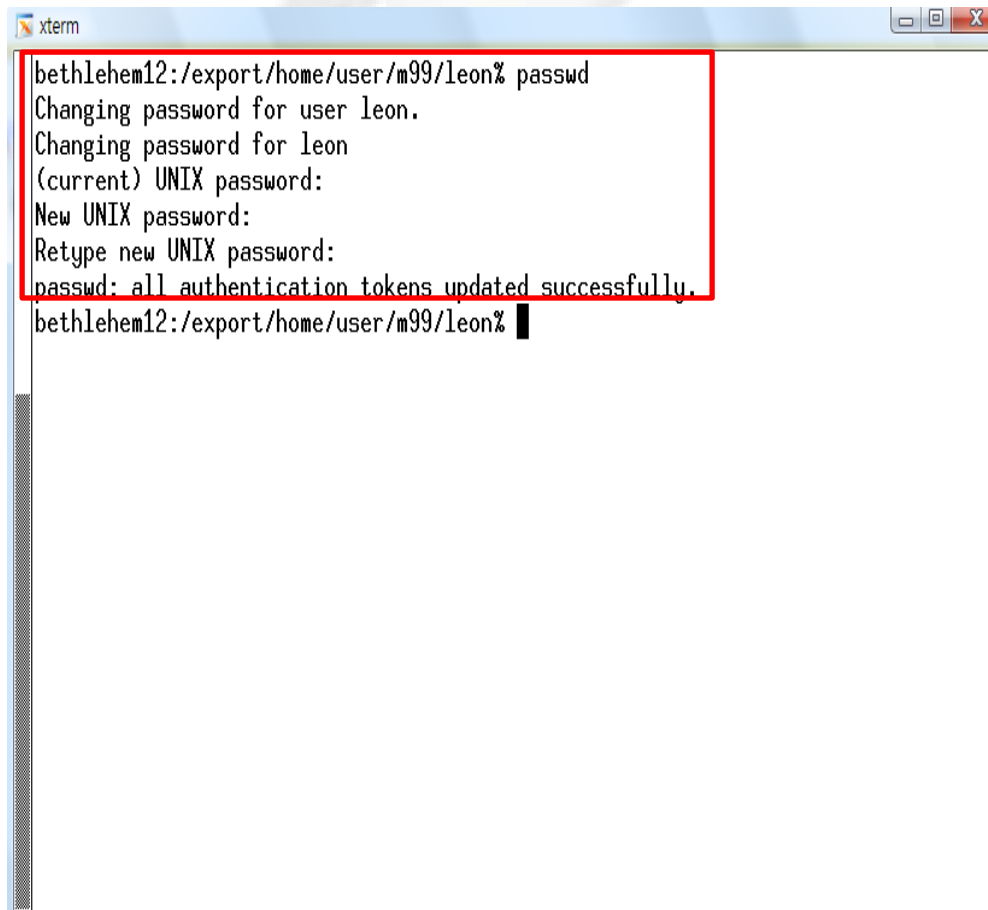
指令:**passwd**

☐ **passwd**

➔ **Allows you to change your password**


```
xterm                                                    [_][□][X]
bethlehem12:/export/home/user/m99/leon% passwd
Changing password for user leon.
Changing password for leon
(current) UNIX password:
New UNIX password:
Retype new UNIX password:
passwd: all authentication tokens updated successfully.
bethlehem12:/export/home/user/m99/leon% ▊
```
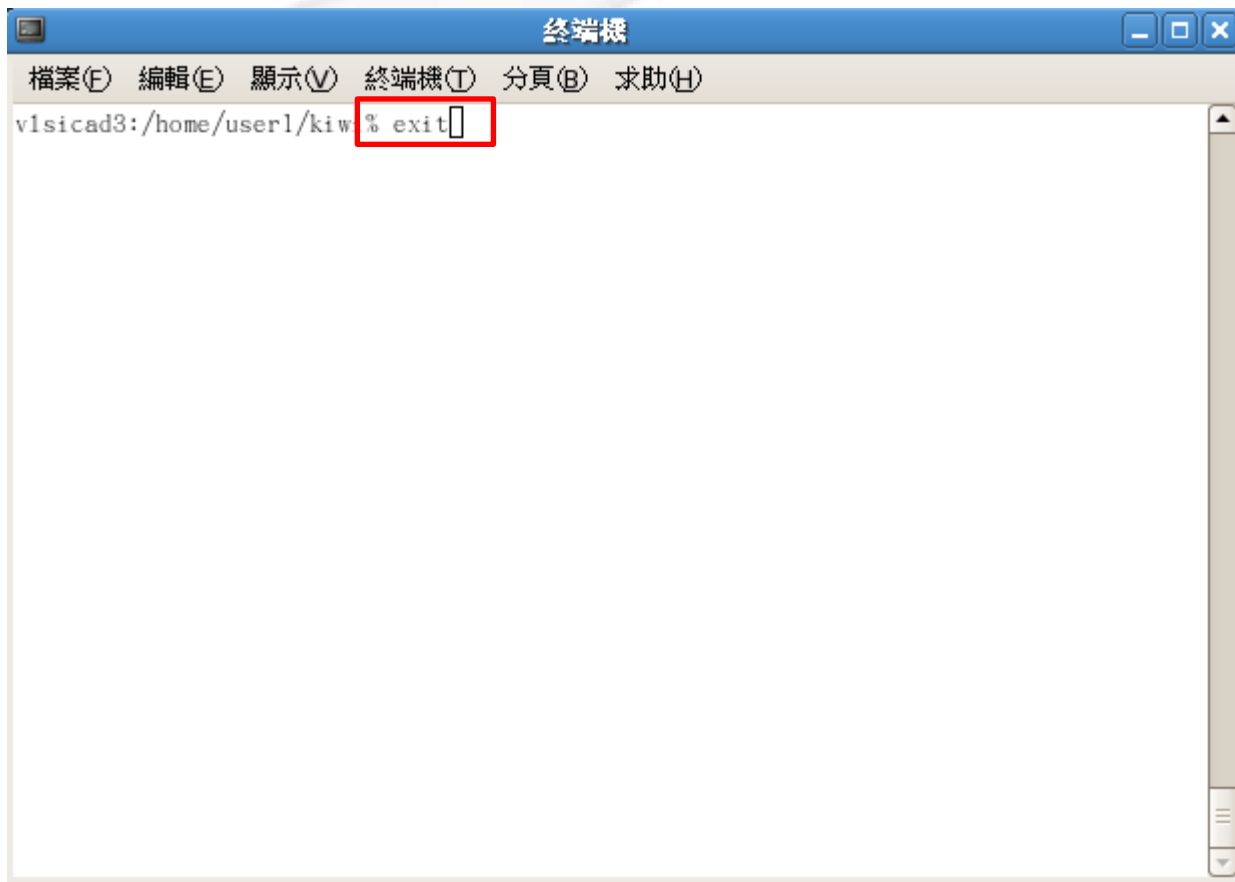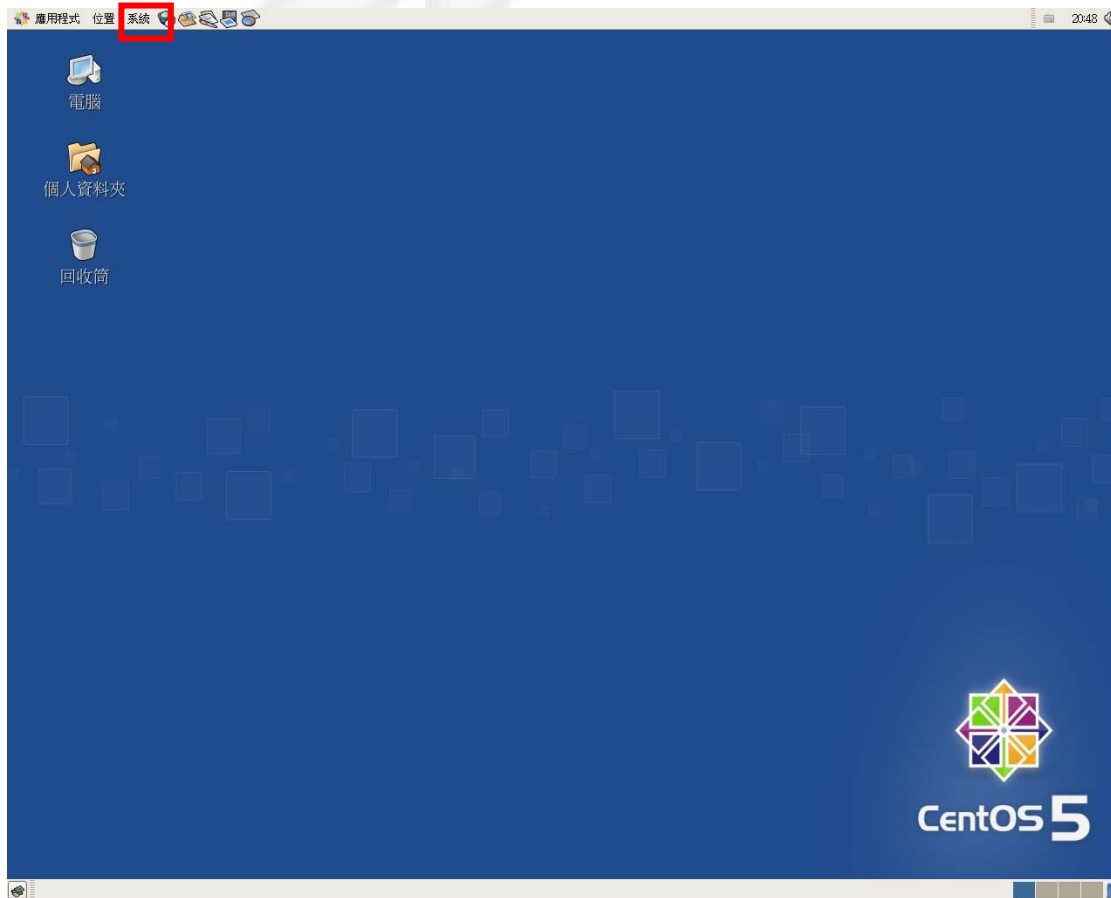
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登出工作站

☐ 在終端機上輸入**exit** 離開工作站

please attention

☐ 按 系統➜關機➜確定

☐ 請記得關電腦螢幕

Reference

1. **http://www.oreillynet.com/linux/cmd/**
2. **http://www.computerhope.com/unix.htm**
3. **http://larc.ee.nthu.edu.tw/~lmdenq/Unix.htm**
4. **Linux 指令詳解辭典(旗標)**

Thanks for your participation and attendance ! !