

COMPUTER COMPONENTS IV

- Operating System (OS) 作業系統
 - Windows 11/10/7
 - MAC OS
 - LINUX
 - \blacktriangleright Resource management, coordination and applications

Please download handouts from (Week 6) http://cflu.lab.nycu.edu.tw/CFLu course CompSci.html

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User

Hardware

Functions of OS

- Integration and coordination of all activities
 - User interface
 - Power on/off
 - Device setup

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- Program management
- Work coordination
- Memory, disk and file management
- Performance monitoring
- Network connection
- Security and updates

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User Interface – Communicate with Your Computer

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Command line interface (CLI)

osoft Windows L版なな 6.1.7601] right (c) 2009 Microsoft Corporation. All rights reserved

系統管理員: C:\Windows\system32\cmd.exe

1 個檔案。

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\Users\Alvin>cd Desktop

\Users\Alvin\Desktop>

複製了

Graphic user interface (GUI)

共用封象 •

test.r

▶ 授尋

」 連絡人

』 連结

■ 桌面

我的影片

1 我的團片

我的最愛

🎍 我的音樂

1 我的文件

14 下戦

test.m 修改日期: 2018/5/13 上午 10:12

大小: 69 個位元組

🧯 儲存的遊戲

▼ 4+ 提昇A

新增資料次

開啟(O)

共用對象(H)

這原務版(V)

傭送到(N)

樹下の

複製(C)

刪除(D)

内容(R)

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建立捷徑(S)

重新命名(M

Scan selected files with Avira

1127

7-Zip

88.67 -

組合管理 •

🚖 我的最愛

1 下载

圖 桌面

111 AM 88 18

3. 文件

↓ 音機

B. 28 SR

鳥、園片

3. 农田群组

M檔案

3. 最近的位置

₩ Dropbox

Power On/Off – Usages

- Switch on
- Shutdown
- Sleep mode (睡眠)



- Hibernate mode (休眠)
 - Save the running files and programs to the hard disk and turn off the power. Password protection when waking up your
 - computer to ensure security!

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Summary (1/2)

- Sleep and hibernation modes can be used to save power, prevent hard drive corruption and quickly resume the work.
- Understanding memory and disk management will enable you to effectively manage your computer's performance and status.
- Learn to use performance and resource monitors to understand current program resource usage.

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Summary (2/2)

- Install the appropriate driver before using any hardware device.
- Keep user accounts and passwords carefully and update them in a timely manner to ensure data and privacy security.
- A virtual machine is an environment on a computer where operating systems and programs can be installed and executed.



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