

# Lab 01

## 掌握你的電腦

路徑, 終端機, R 101

# 路徑 & 工作目錄

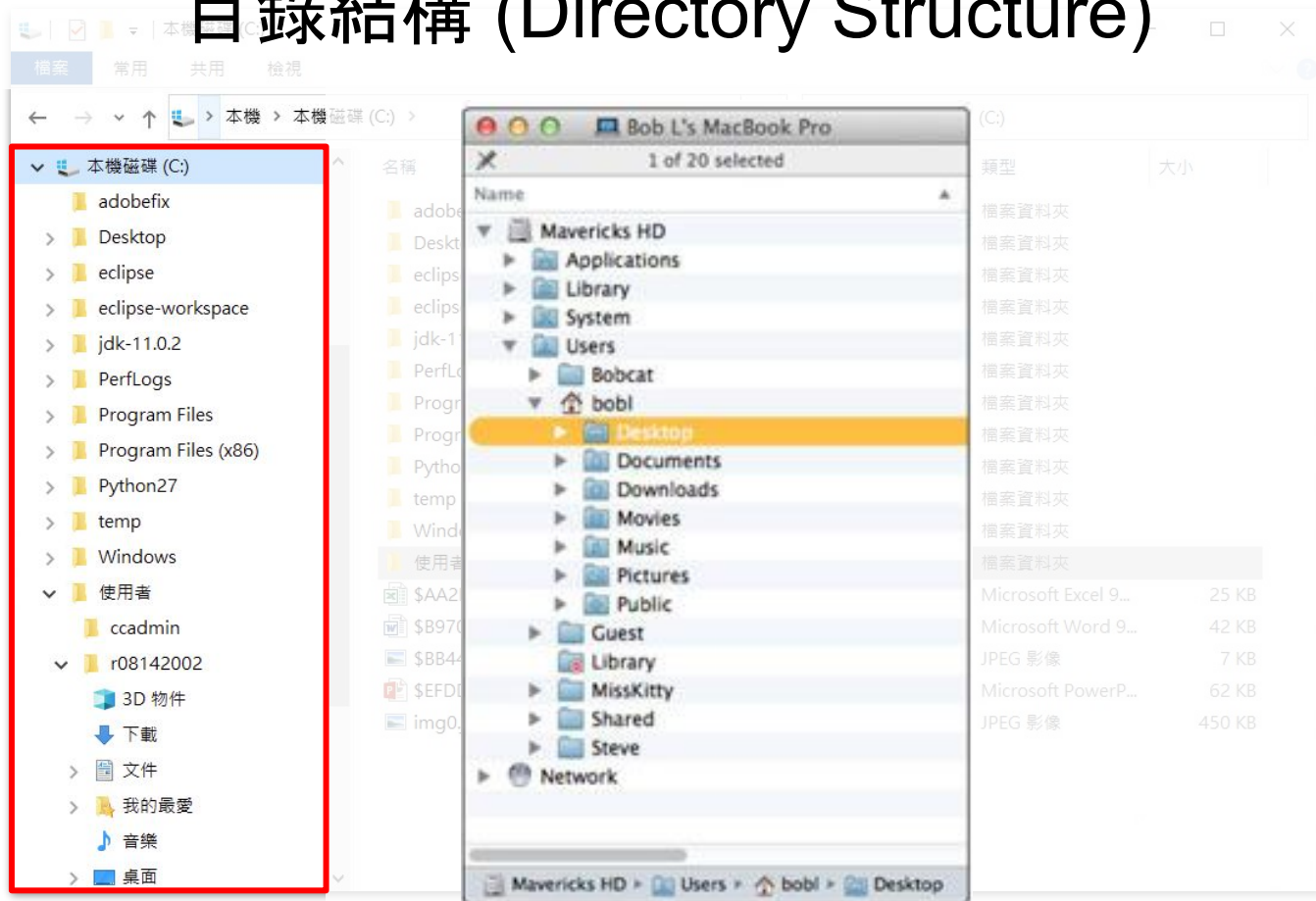
(Path & Working Directory)

# 目錄結構 (Directory Structure)

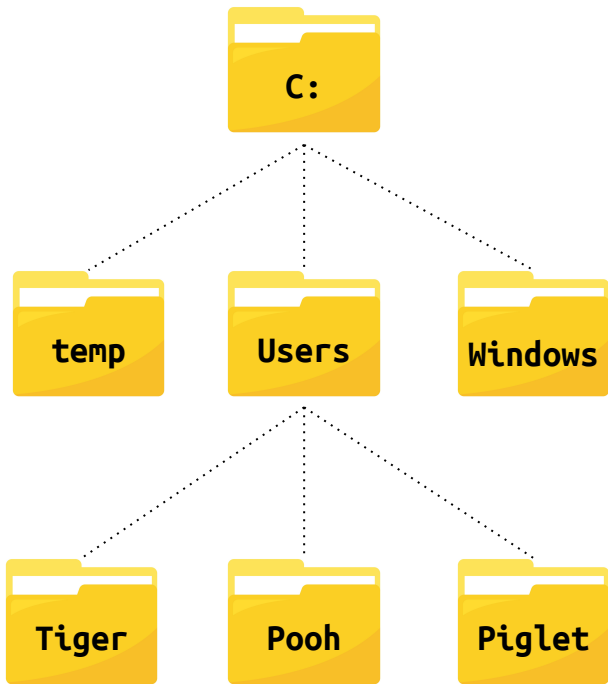
The screenshot displays the Windows File Explorer interface for the C: drive. The left sidebar shows a tree view of the directory structure, with the '本機磁碟 (C:)' folder expanded. The main pane shows a list of files and folders with columns for Name, Modified Date, Type, and Size.

名稱	修改日期	類型	大小
adobefix	2020/6/3 下午 03:09	檔案資料夾	
Desktop	2020/9/23 上午 11:10	檔案資料夾	
eclipse	2020/10/29 下午 05:00	檔案資料夾	
eclipse-workspace	2020/10/14 下午 02:10	檔案資料夾	
jdk-11.0.2	2019/1/18 下午 01:29	檔案資料夾	
PerfLogs	2020/9/1 上午 09:52	檔案資料夾	
Program Files	2021/1/28 下午 11:05	檔案資料夾	
Program Files (x86)	2021/1/29 下午 04:39	檔案資料夾	
Python27	2020/9/23 上午 10:29	檔案資料夾	
temp	2021/1/28 下午 11:10	檔案資料夾	
Windows	2021/2/1 下午 09:50	檔案資料夾	
使用者	2021/2/21 下午 08:27	檔案資料夾	
\$AA2B99FA.xls	2021/2/21 下午 08:27	Microsoft Excel 9...	25 KB
\$B9709471.doc	2021/2/21 下午 08:27	Microsoft Word 9...	42 KB
\$BB44C826.jpg	2021/2/21 下午 08:27	JPEG 影像	7 KB
\$EFDD5588.pptx	2021/2/21 下午 08:27	Microsoft PowerP...	62 KB
img0.jpg	2016/11/11 上午 10:57	JPEG 影像	450 KB

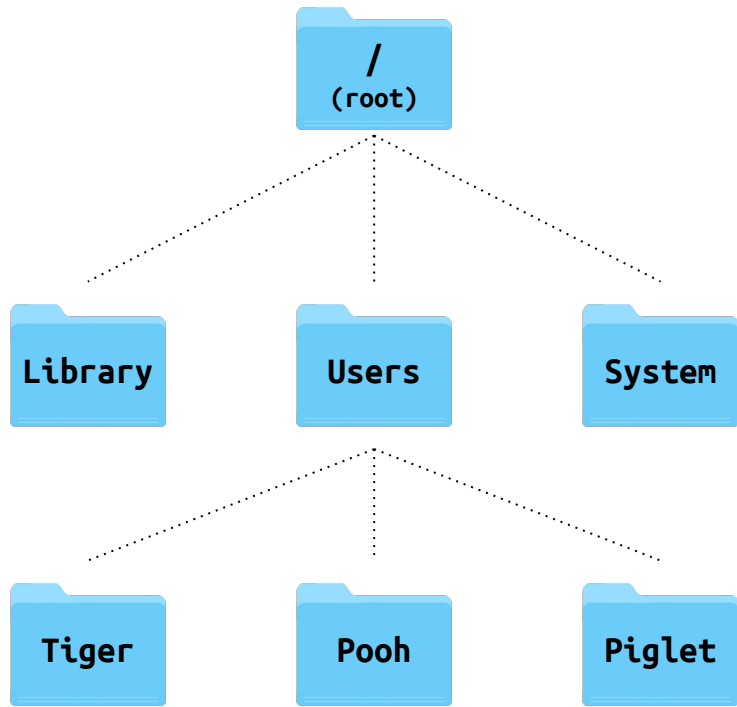
# 目錄結構 (Directory Structure)



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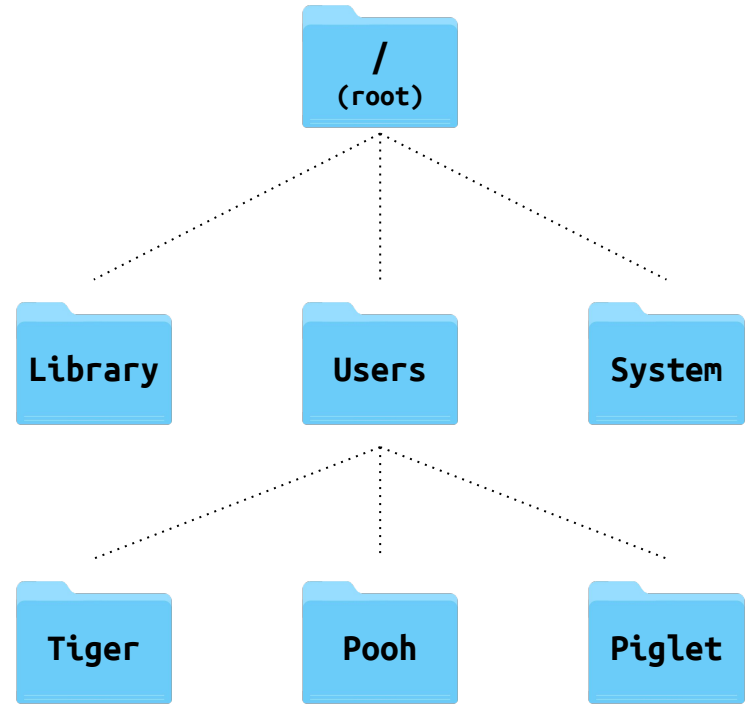
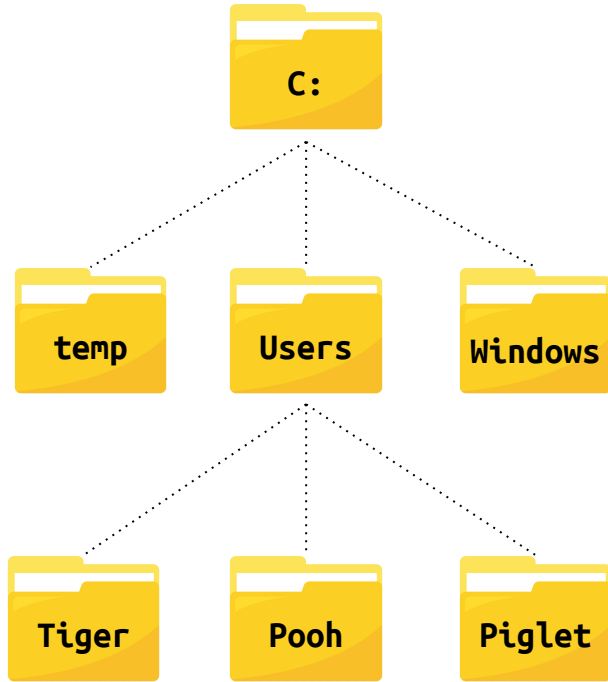


**Windows**

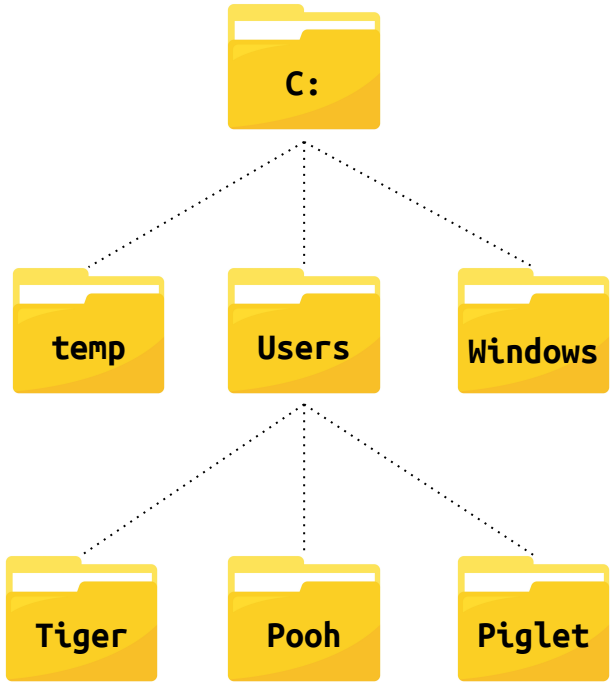


**Mac**

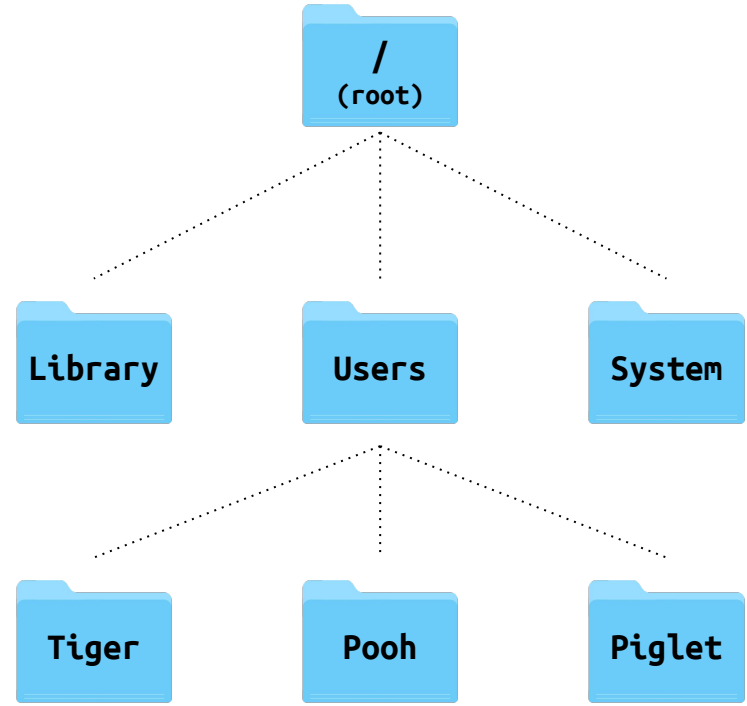
# 絕對路徑



# 絕對路徑

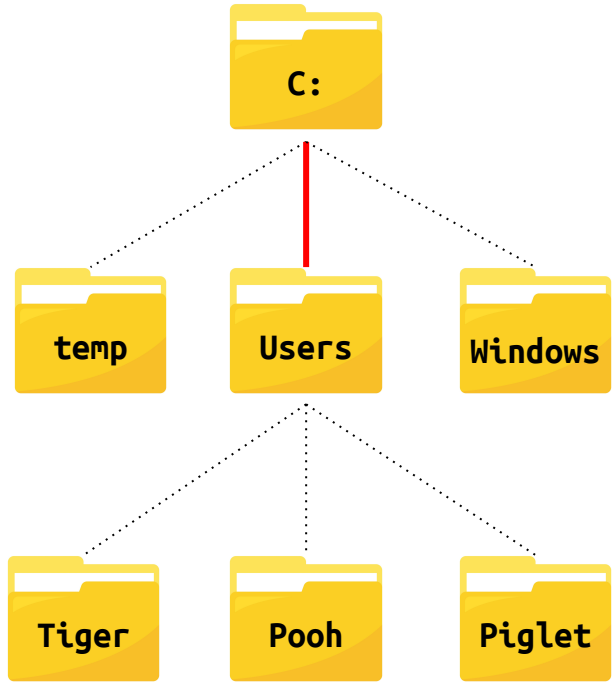


**C:**

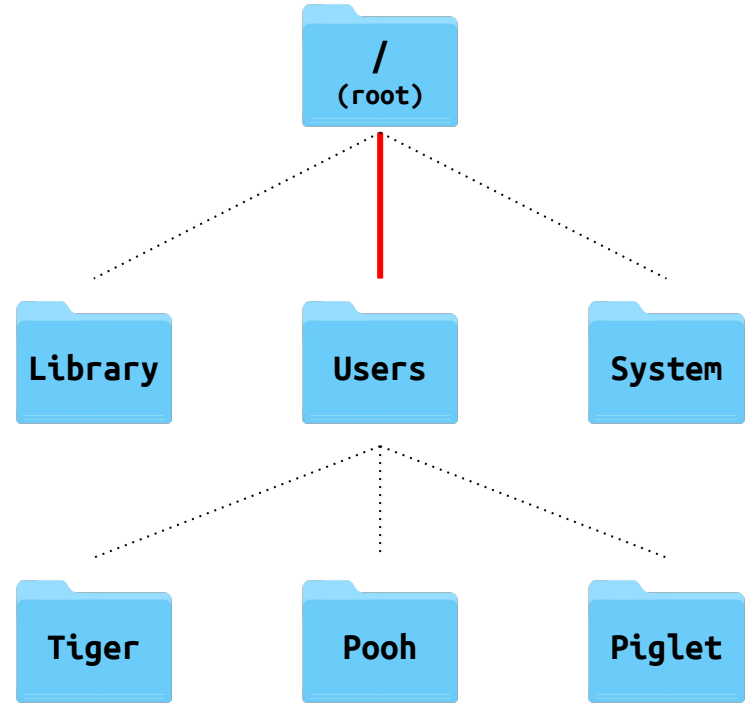


**/**

# 絕對路徑



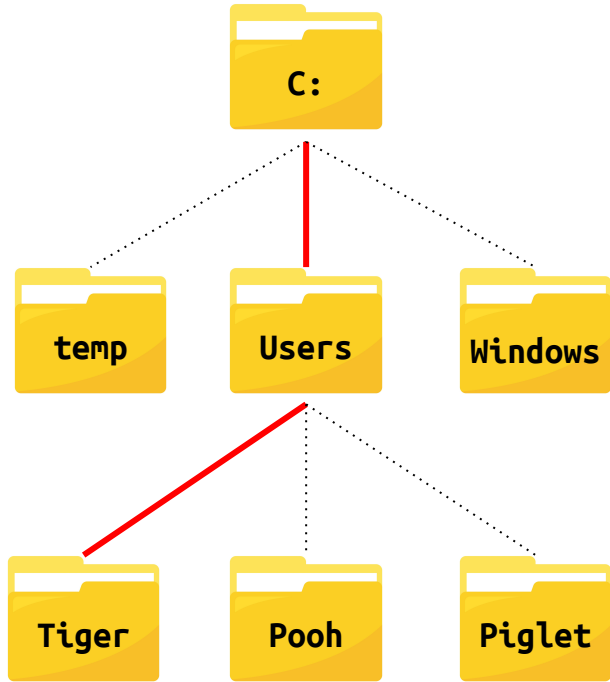
**C:/Users**



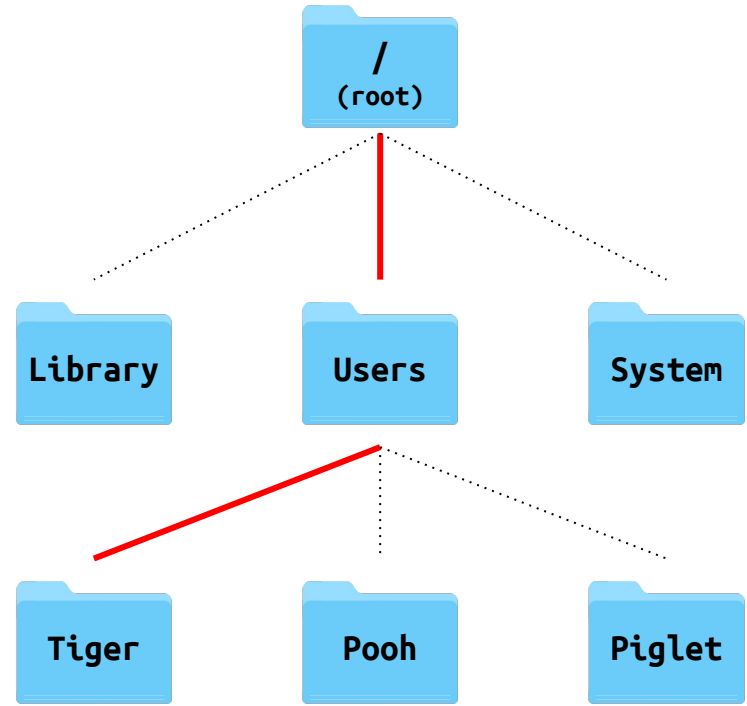
**/Users**



# 絕對路徑

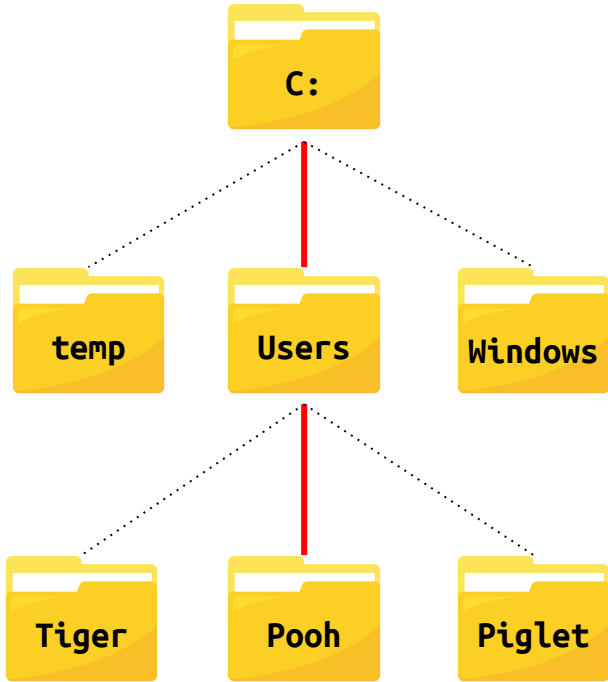


**C:/Users/Tiger**

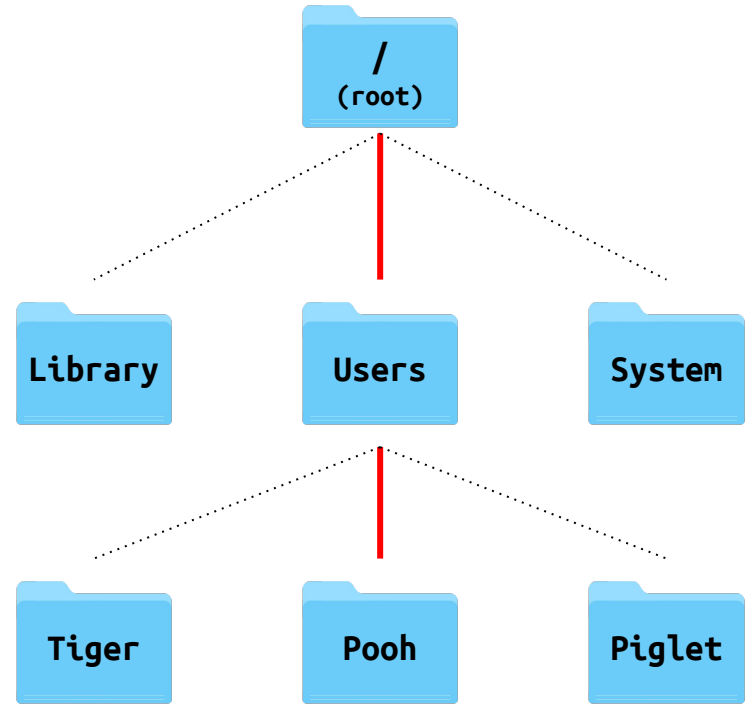


**/Users/Tiger**

# 絕對路徑



**C:/Users/Pooh**



**/Users/Pooh**

# 終端機 101

(Terminal 101)

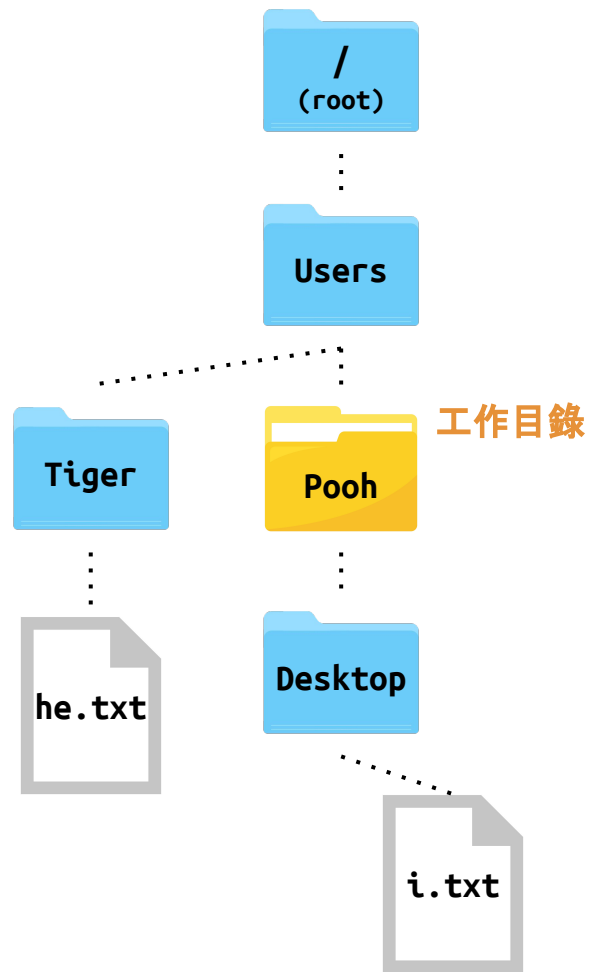
**cd**

(Windows)

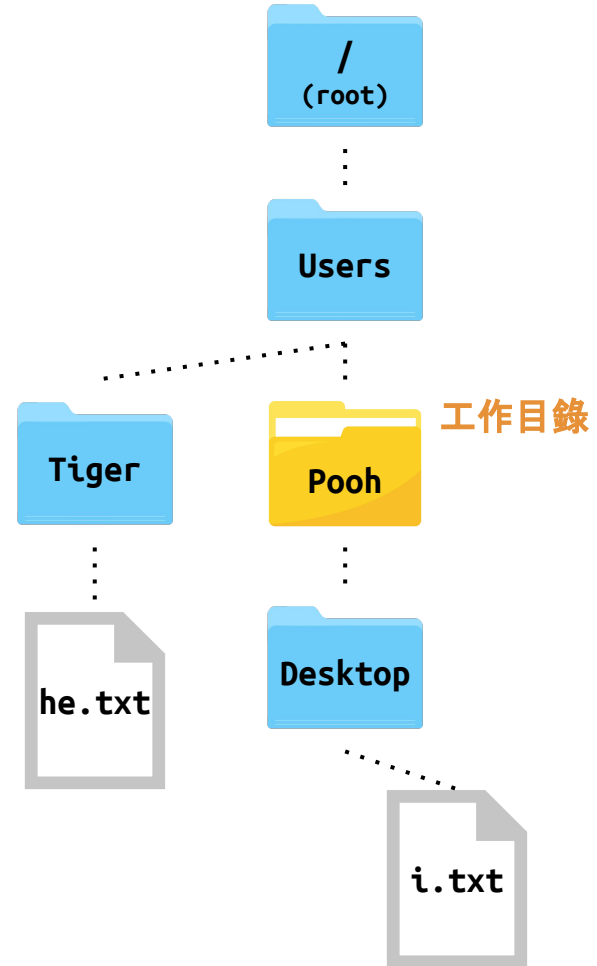
**pwd**

(Mac)

# 相對路徑

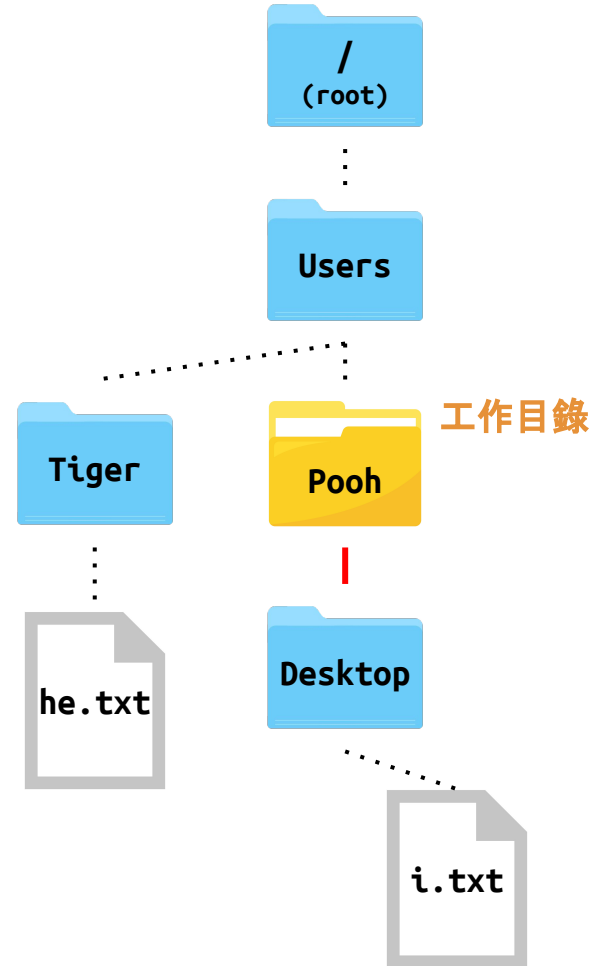


# 相對路徑



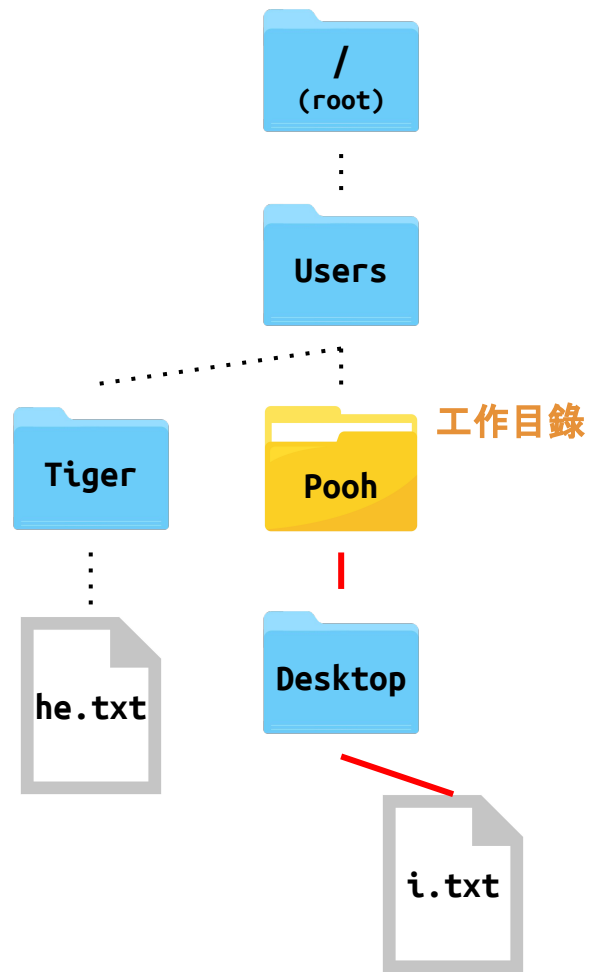
# 相對路徑

`./Desktop`



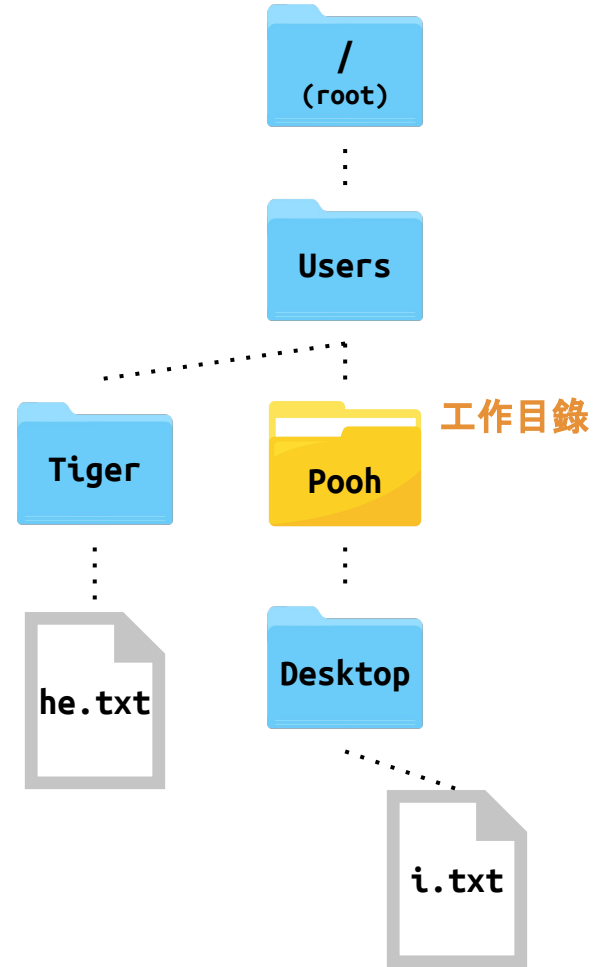
# 相對路徑

`./Desktop/i.txt`



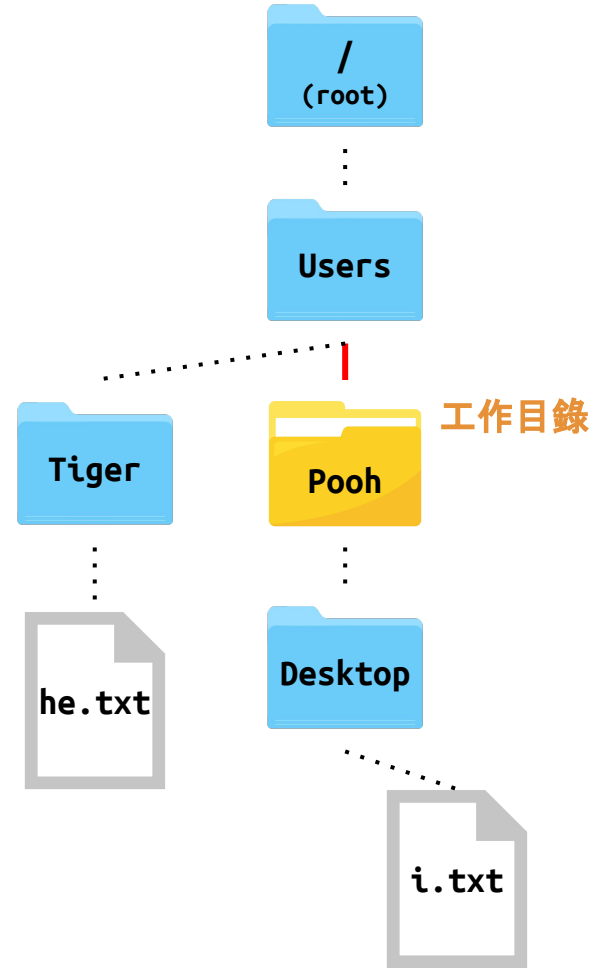


# 相對路徑



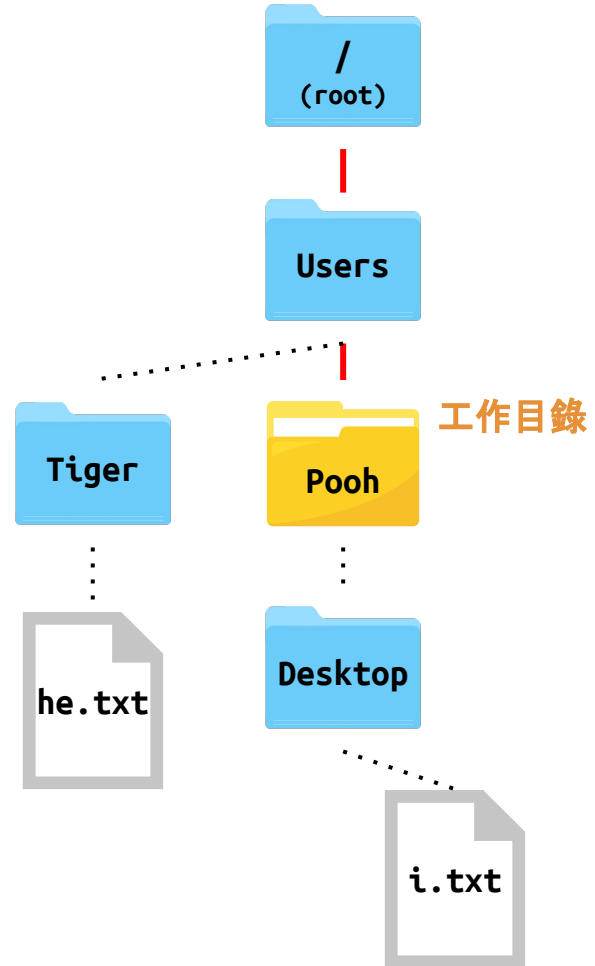
# 相對路徑

./ ..



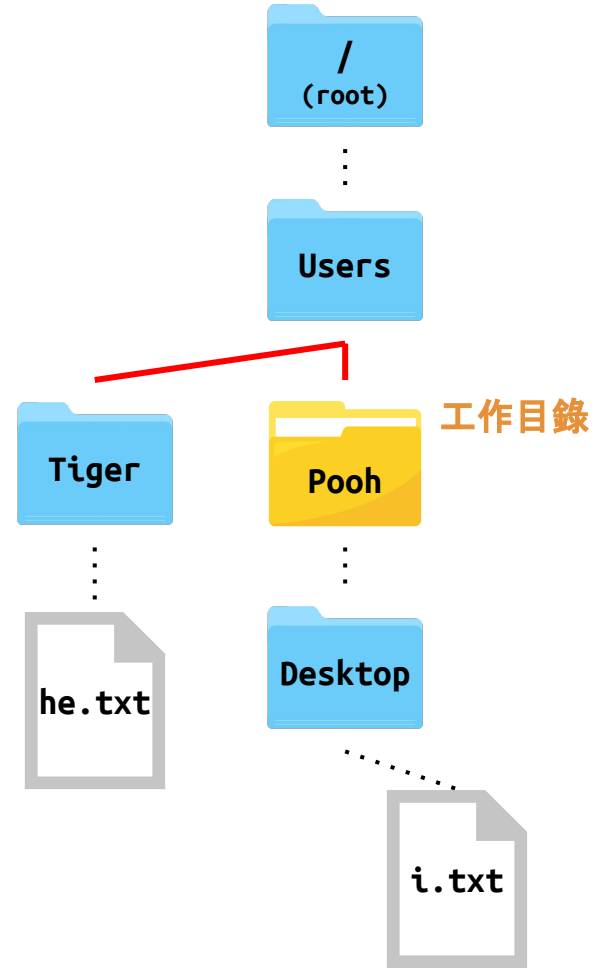
# 相對路徑

../..



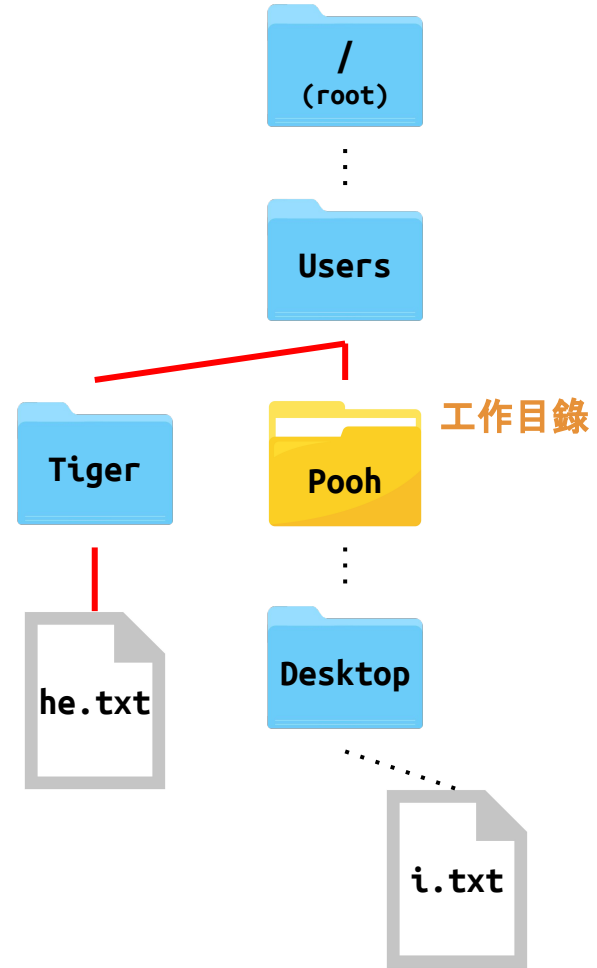
# 相對路徑

`../../Tiger`



# 相對路徑

`../../Tiger/he.txt`



# 終端機 202

(Terminal 202)

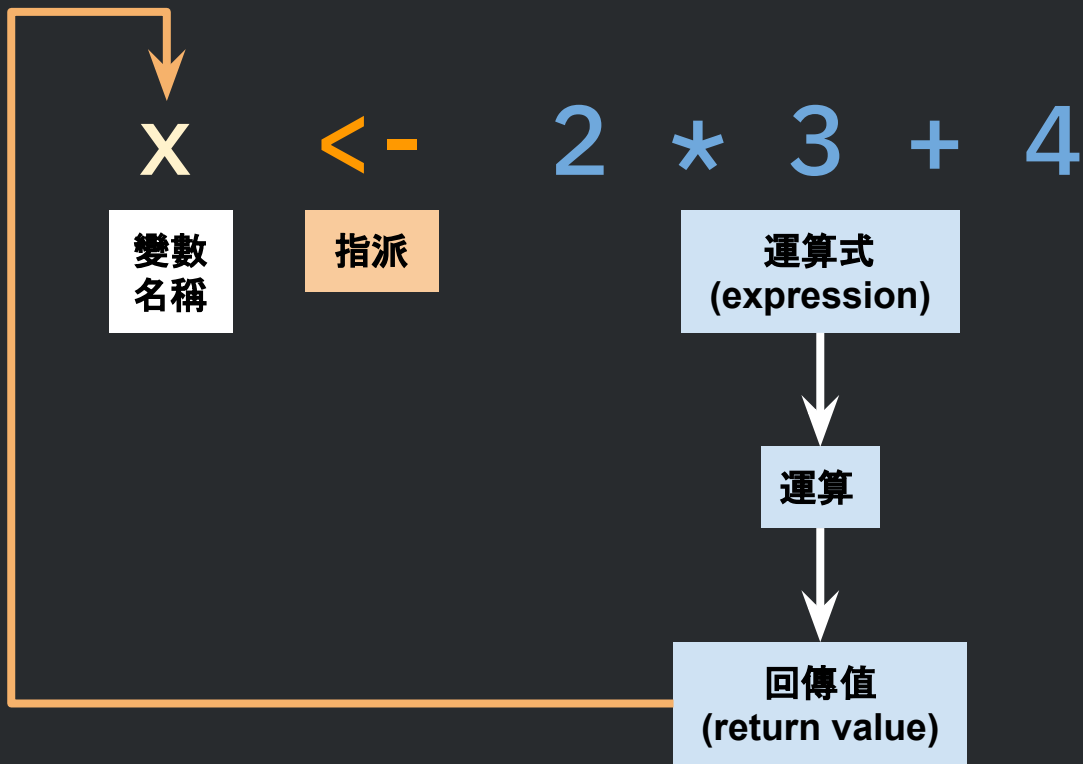
```
cd <path>
```

**R 101**

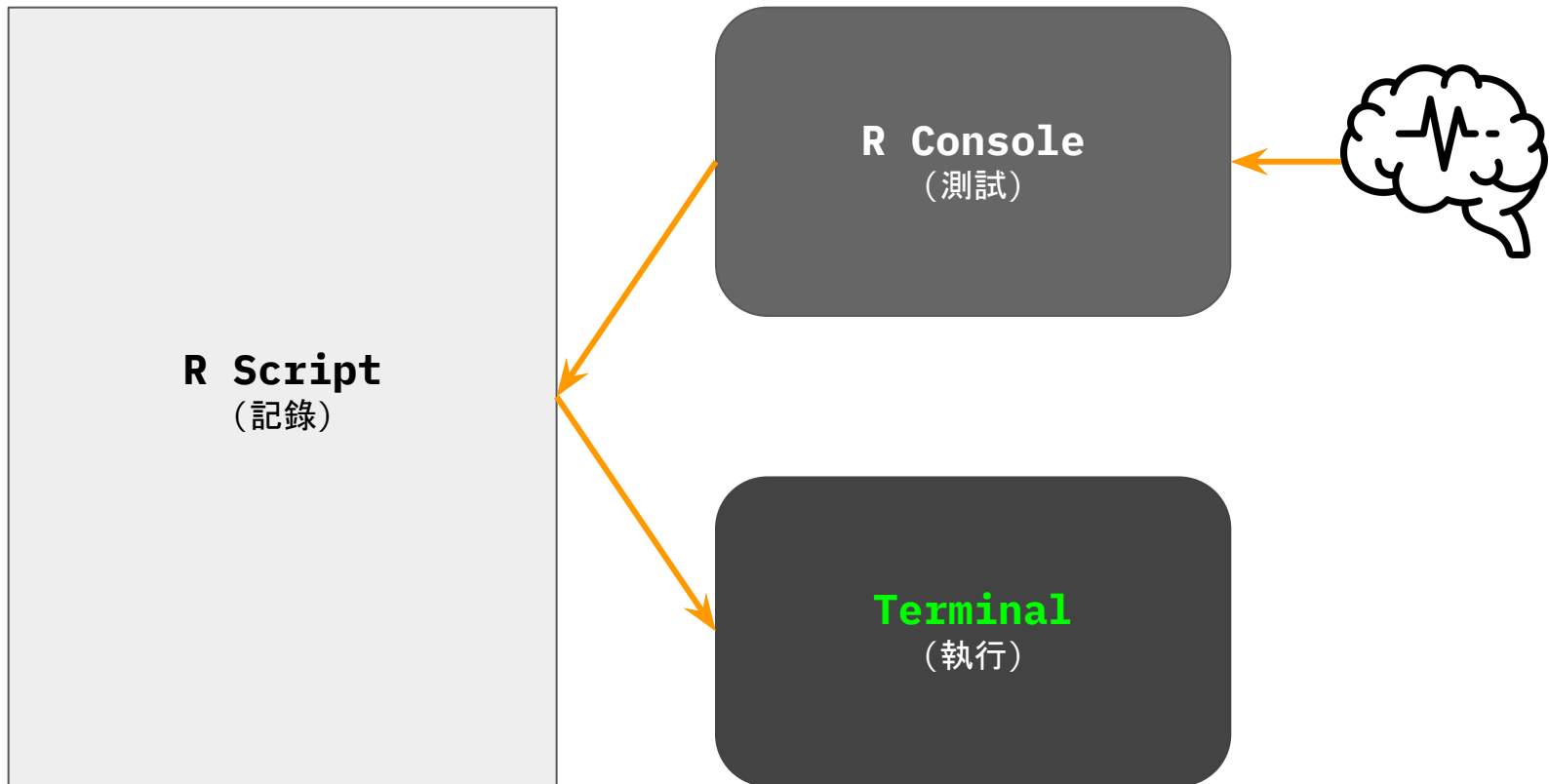


**Rscript ./hello.R**

# 變數指派 (Assignment)



# 撰寫 R 必備的 3 樣工具



# 説明文件

(R Help Page)

? <function\_name>

or

? <function\_name>

用於「長相特別」的函數：

+, -, \*, /  
(e.g. ? '+' )

[An output wrapper for language engine output](#)**Description:**

If you have designed a language engine, you may call this function in the end to format and return the text output from your engine.

**Description:** 簡短描述函數功能

**Usage:**

```
engine_output(options, code, out, extra = NULL)
```

**Usage:** 如何呼叫函數 (有哪些 Arguments)

**Arguments:**

**options:** A list of chunk options. Usually this is just the object 'options' passed to the engine function; see 'knit\_engines'.

**code:** Source code of the chunk, to which the output hook 'source' is applied, unless the chunk option 'echo' is 'FALSE'.

**out:** Text output from the engine, to which the hook 'output' is applied, unless the chunk option 'results' is 'hide'

**extra:** Any additional text output that you want to include.

**Arguments:** 每個 Argument 的意義

建議閱讀步驟:

**Description** > **Usage** > **Arguments** > **Value** > **Examples** > **Details**

**Details:**

For expert users, an advanced usage of this function is 'engine\_output(options, out = LIST)' where 'LIST' is a list that has the same structure as the output of 'evaluate::evaluate()'. In this case, the arguments 'code' and 'extra' are ignored, and the list is passed to an internal function 'knitr:::wrap()' to return a character vector of final output.

**Details:** 關於函數的詳細描述

**Value:**

A character string generated from the source code and output using the appropriate output hooks.

**Value:** 函數會丟出什麼 (回傳值)

**Examples:**

```
library(knitr)
engine_output(opts_chunk$merge(list(engine = "Rscript")),
  code = "1 + 1", out = "[1] 2")
```

**Examples:** 可複製貼上直接執行的函數使用範例