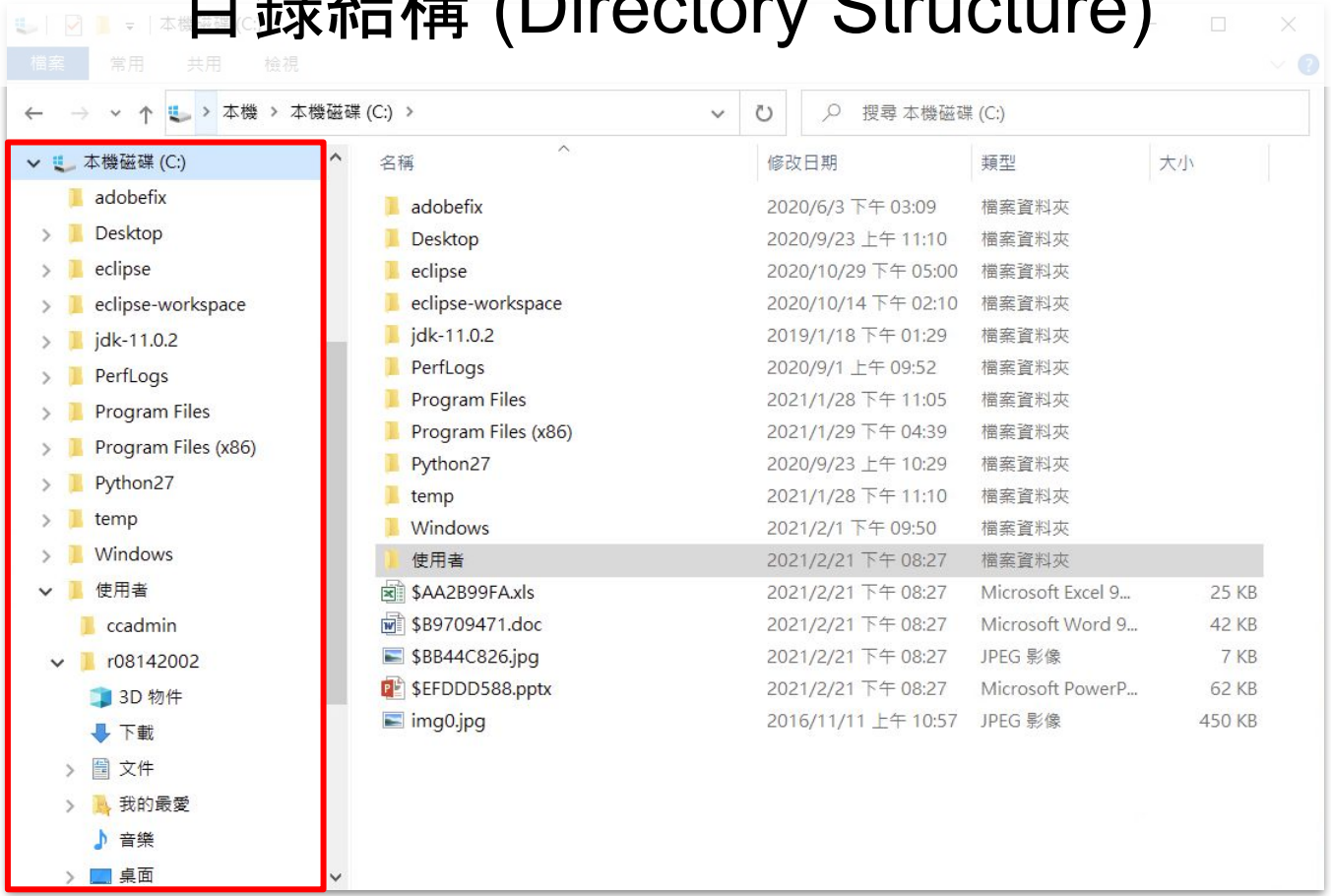
Lab 01

掌握你的電腦

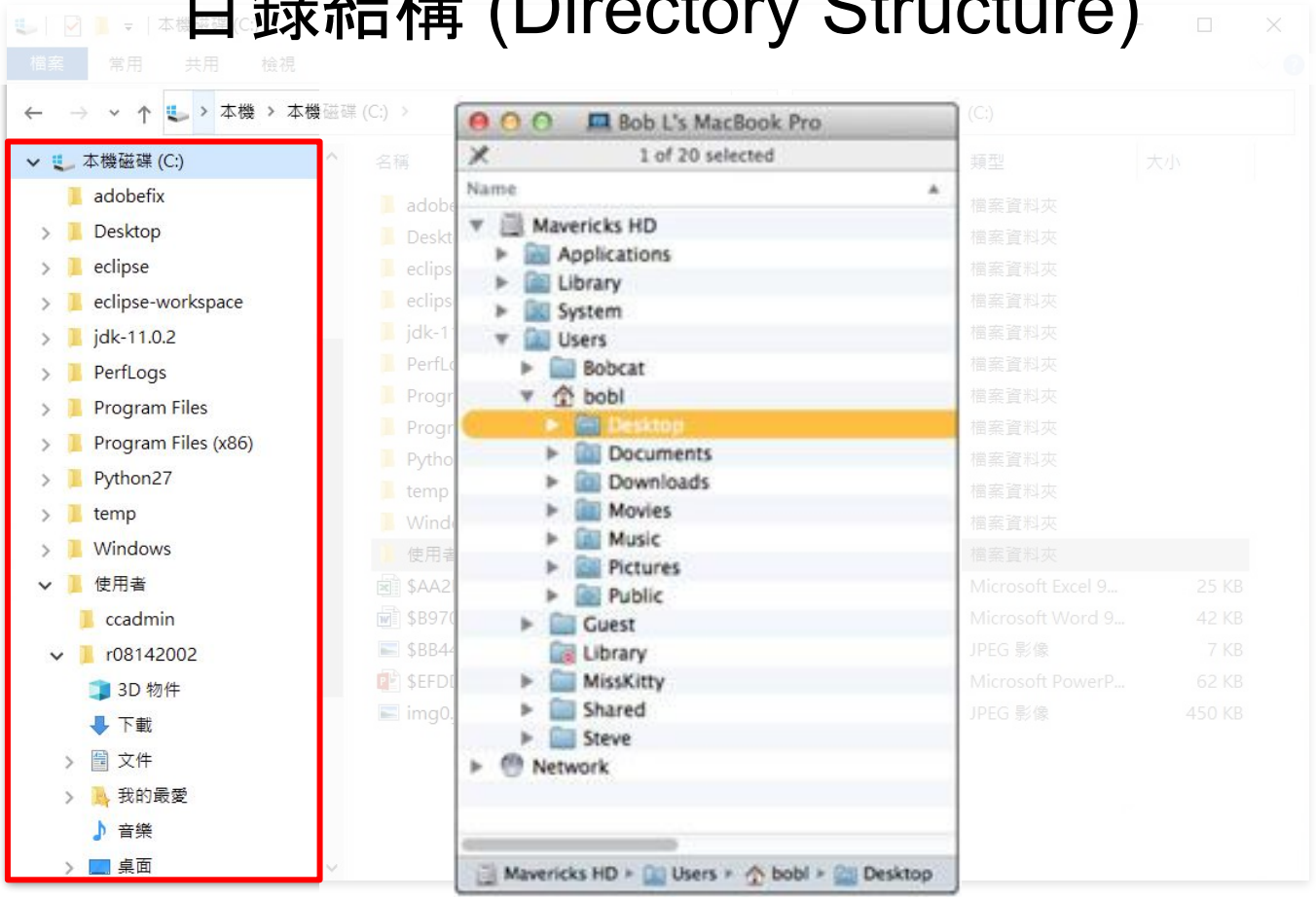
路徑, 終端機, R 101

路徑 & 工作目錄
(Path & Working Directory)

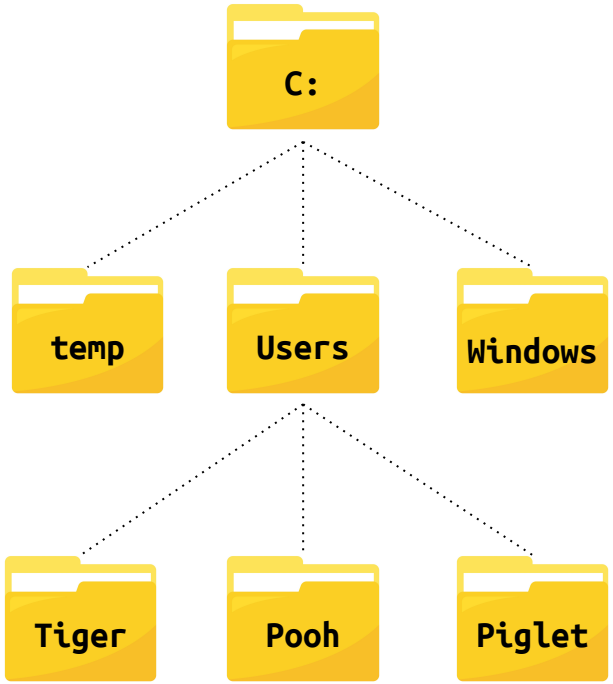
目錄結構 (Directory Structure)



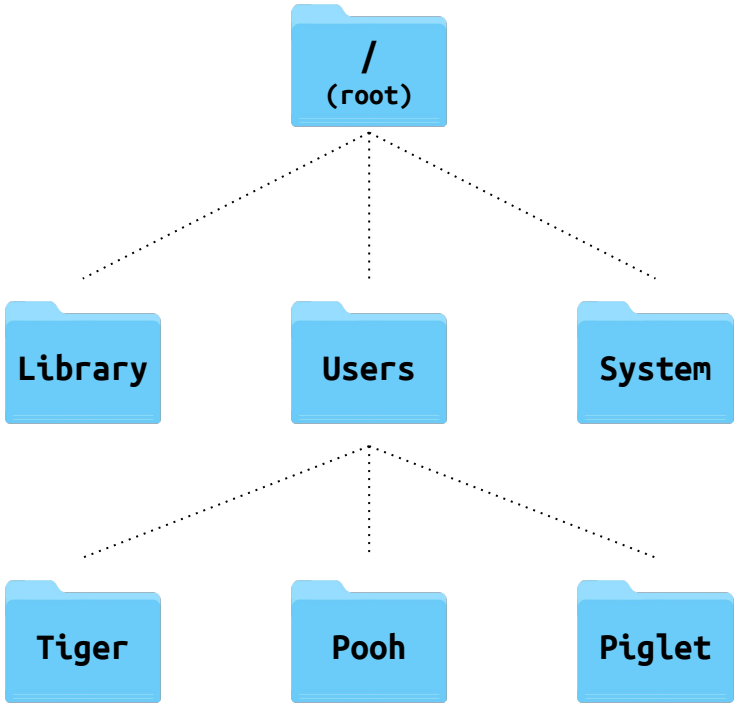
目錄結構 (Directory Structure)



目錄結構 (Directory Structure)

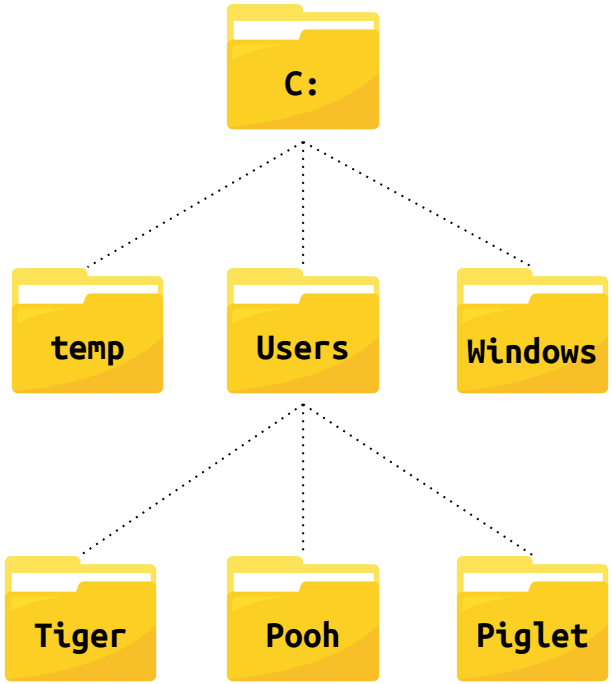


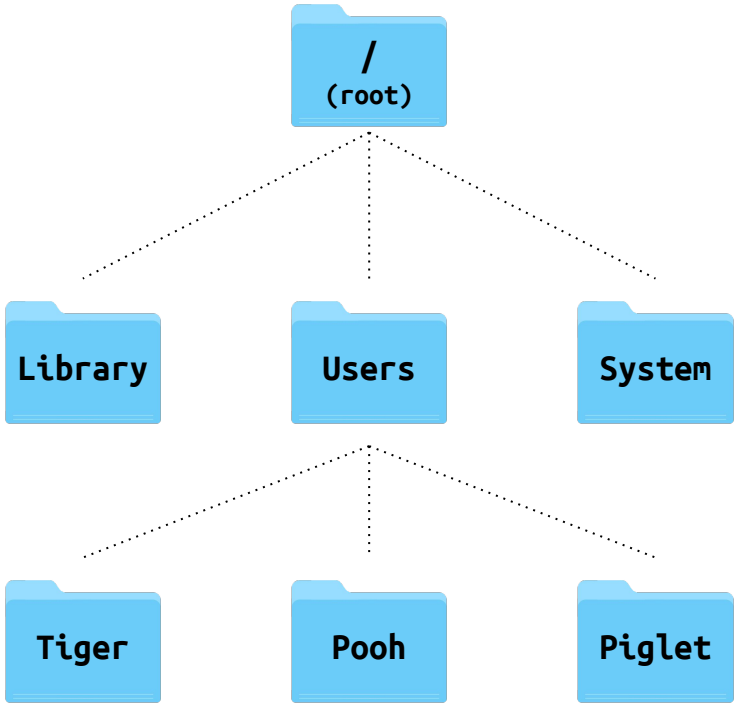
Windows



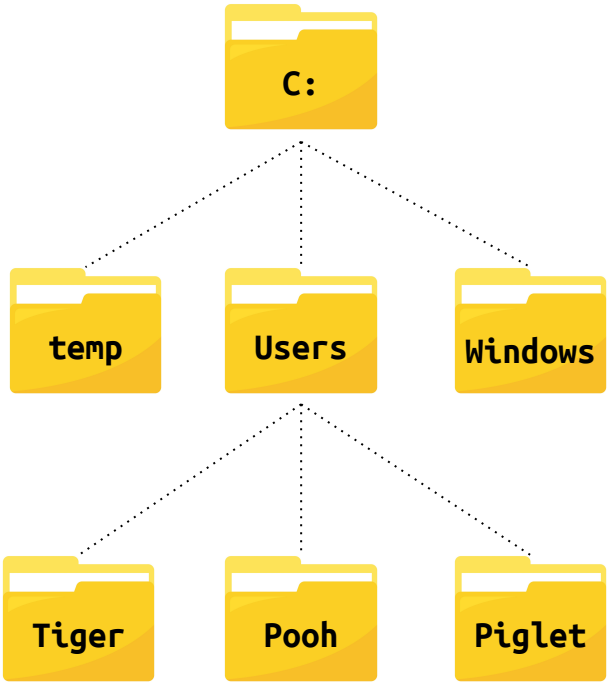
Mac

絕對路徑

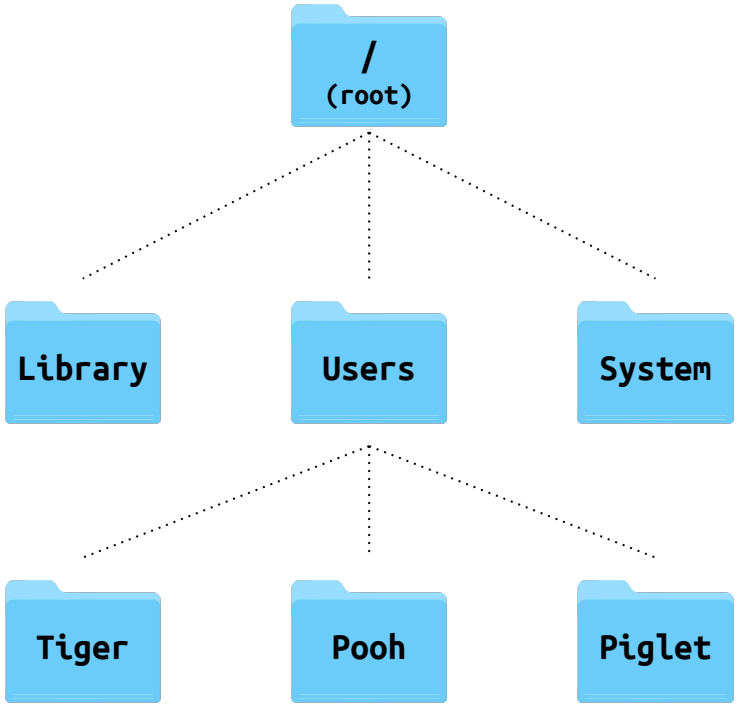

C:
temp
Users
Windows
Tiger
Pooh
Piglet


/
(root)
Library
Users
System
Tiger
Pooh
Piglet

絕對路徑

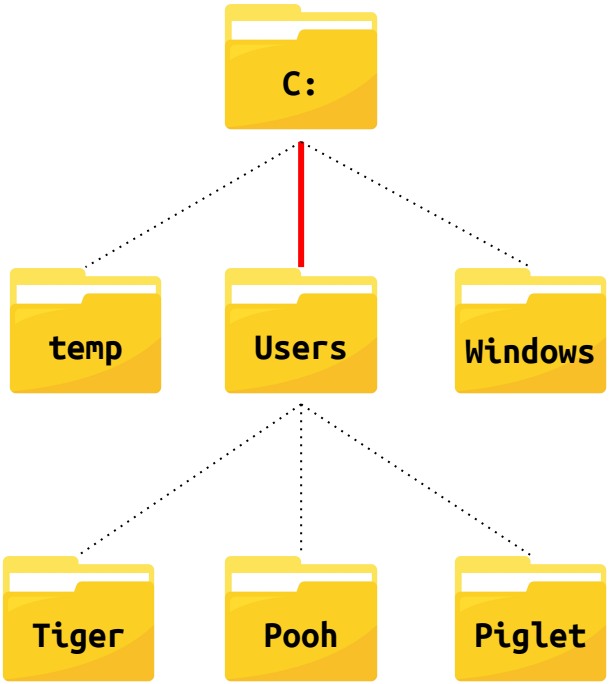

C:
temp
Users
Windows
Tiger
Pooh
Piglet

C:

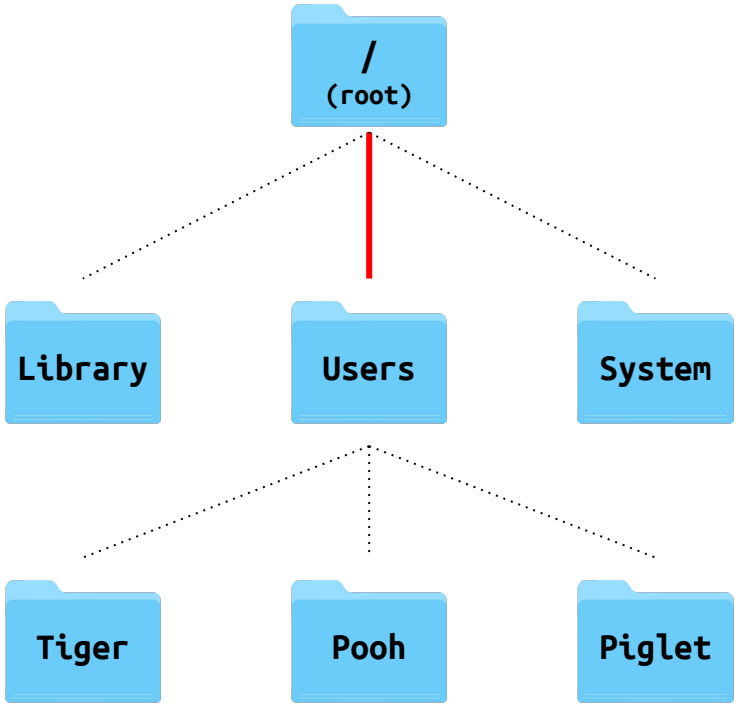

/
(root)
Library
Users
System
Tiger
Pooh
Piglet

/

絕對路徑

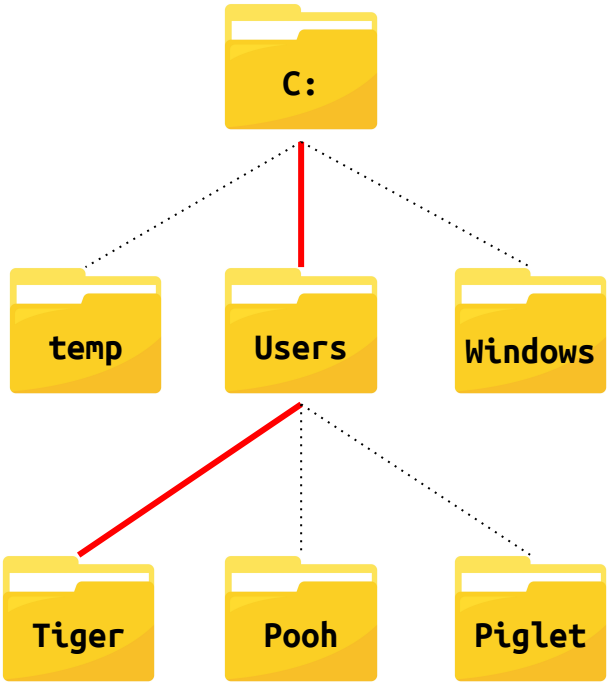


C:/Users

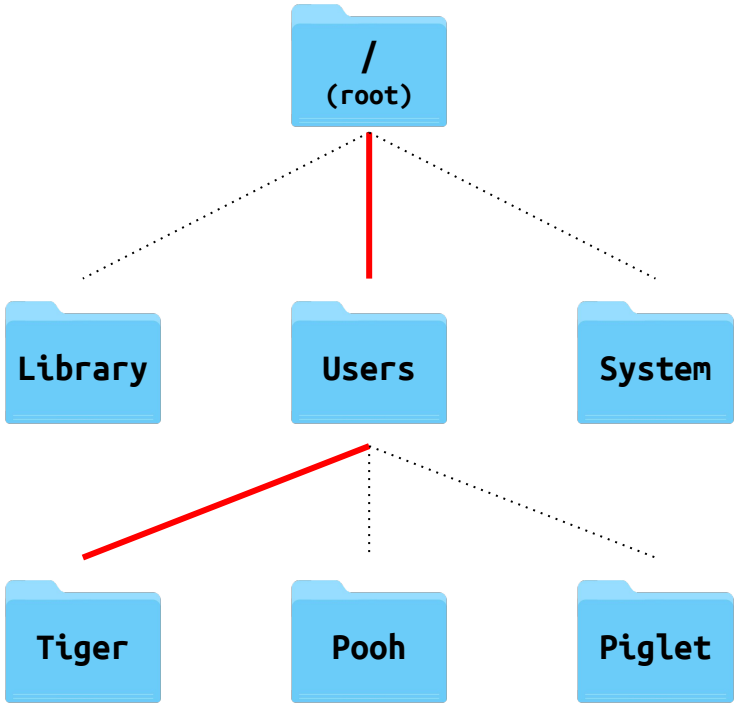


/Users

絕對路徑

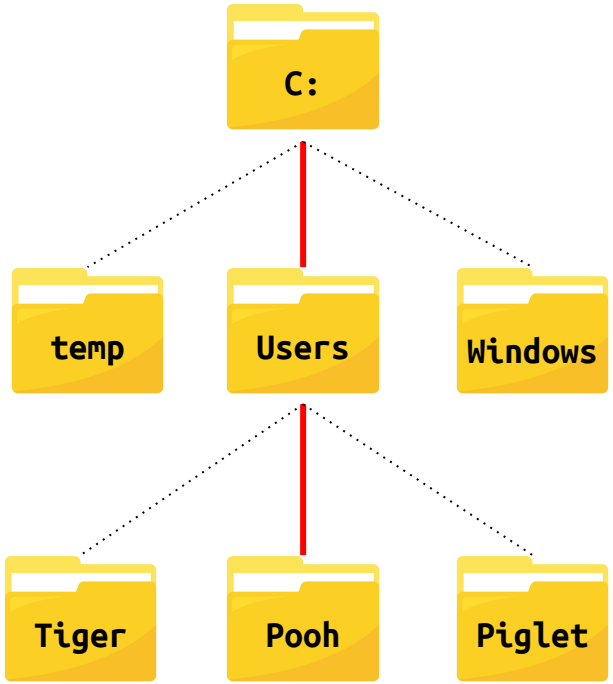


C:/Users/Tiger

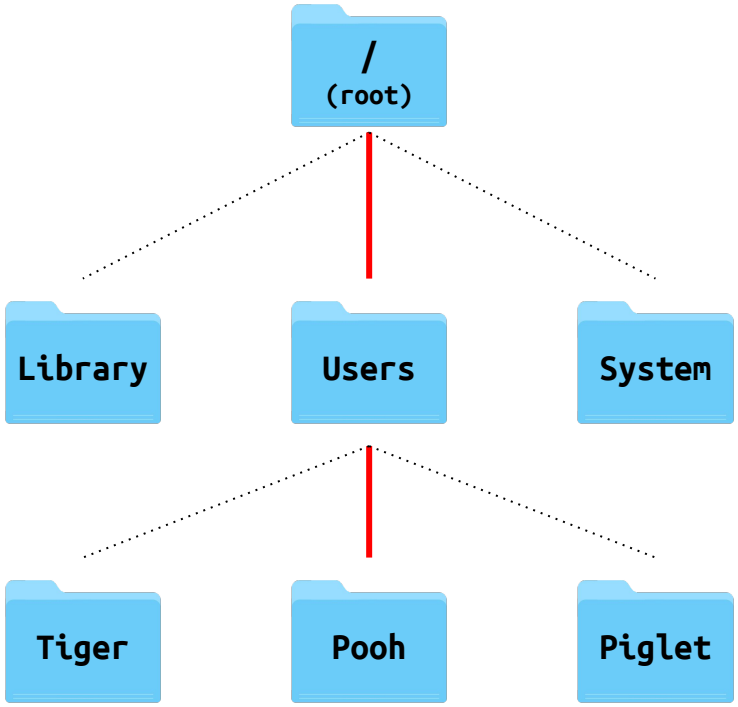


/Users/Tiger

絕對路徑



C:/Users/Pooh



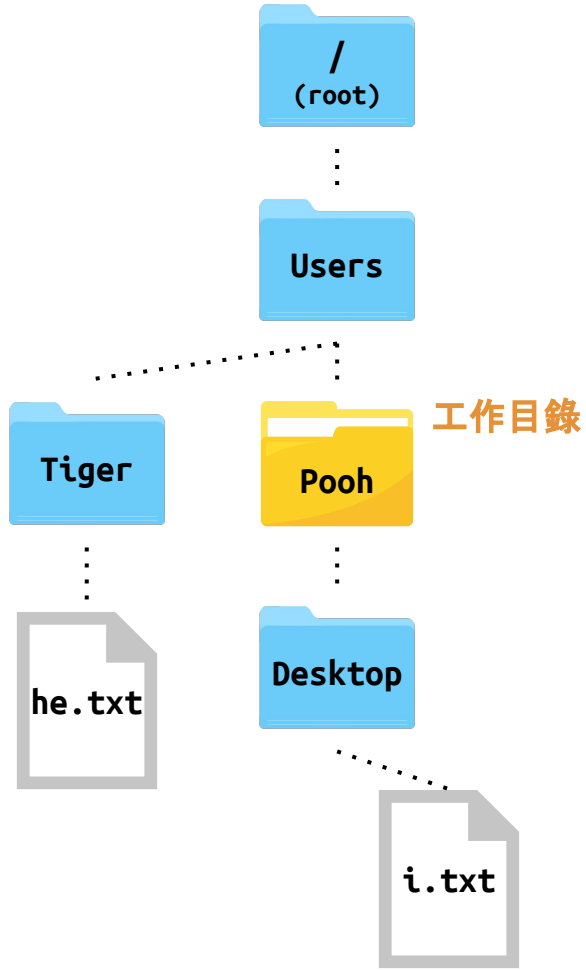
/Users/Pooh

終端機 101
(Terminal 101)

cd (Windows)

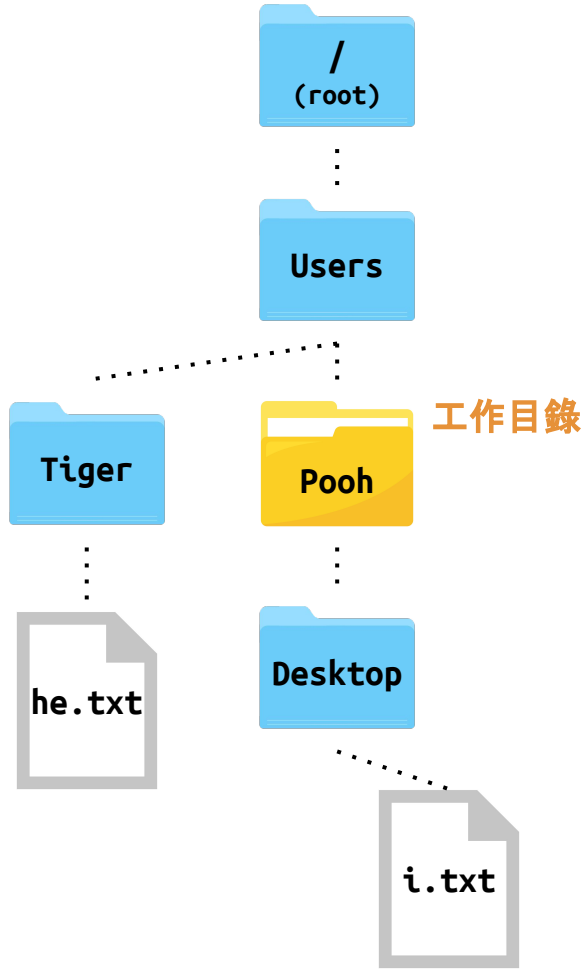
pwd (Mac)

相對路徑



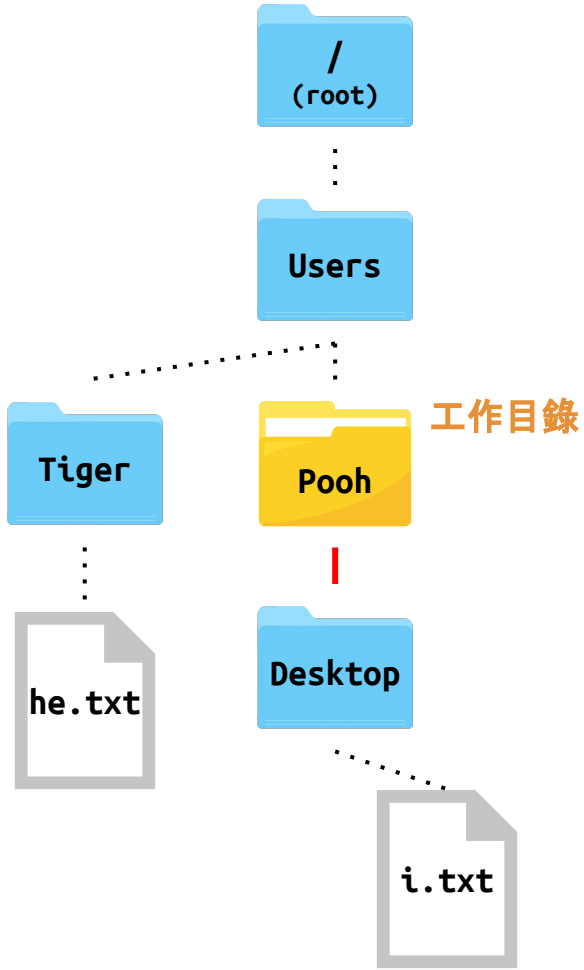
相對路徑

```
.
```



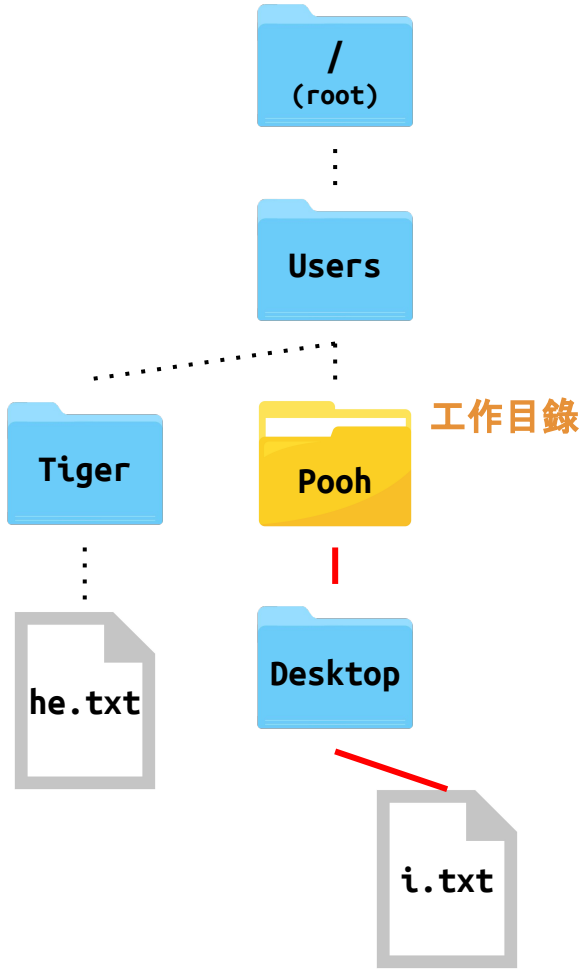
相對路徑

```
./Desktop
```



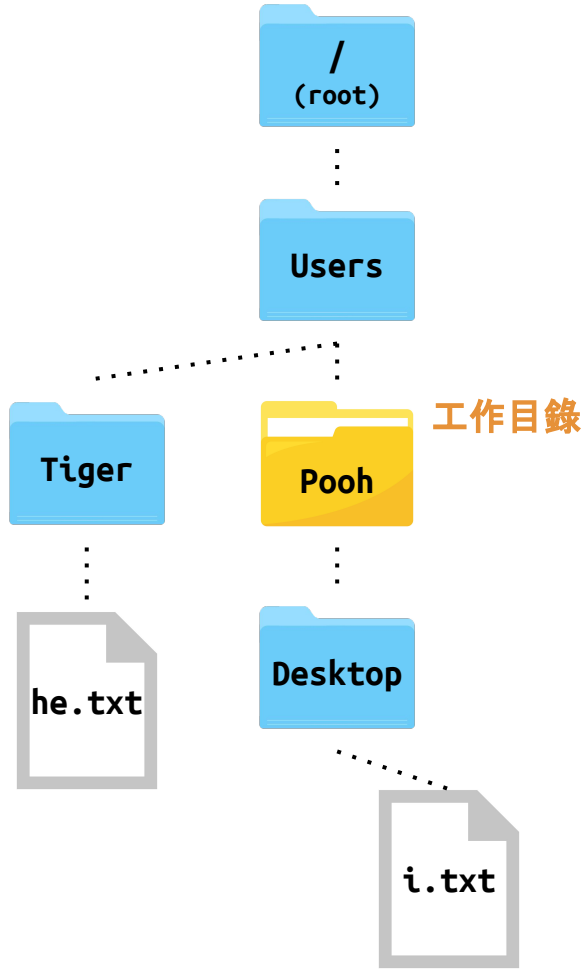
相對路徑

```
./Desktop/i.txt
```



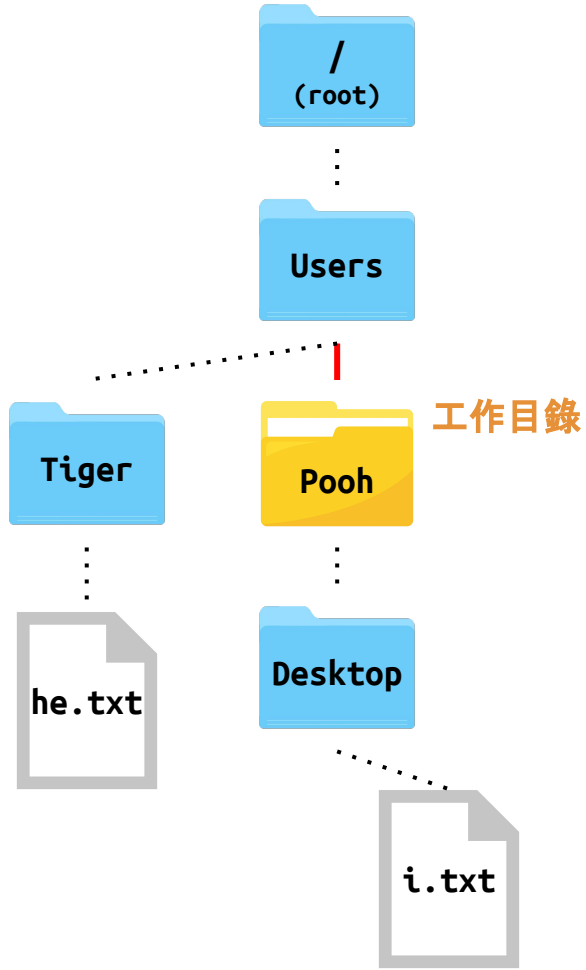
相對路徑

```
.
```



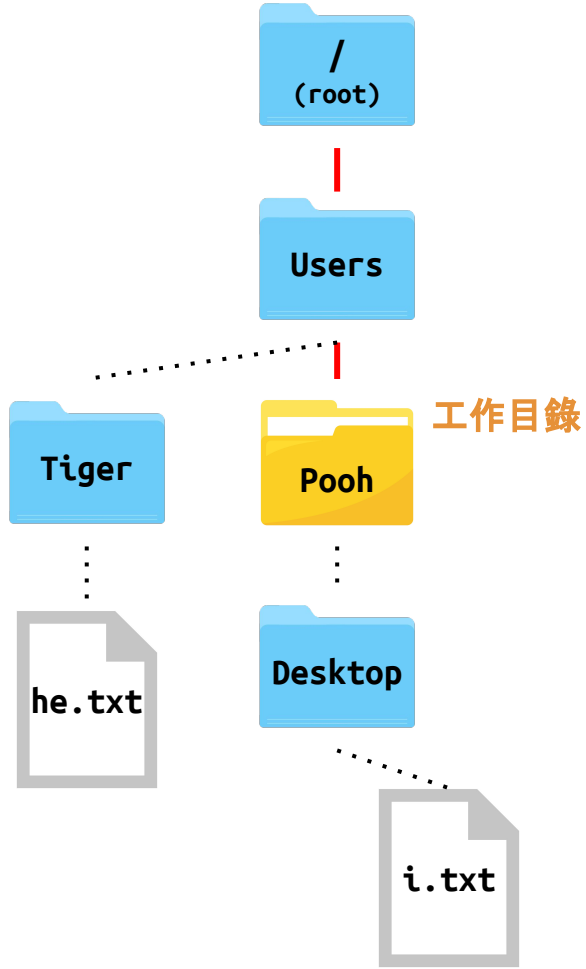
相對路徑

```
./..
```



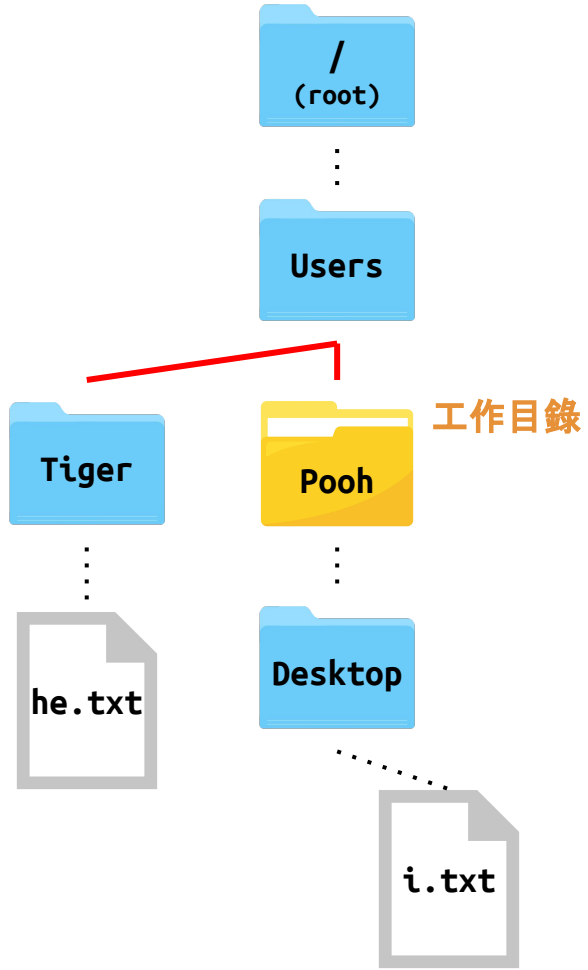
相對路徑

```
./../..
```



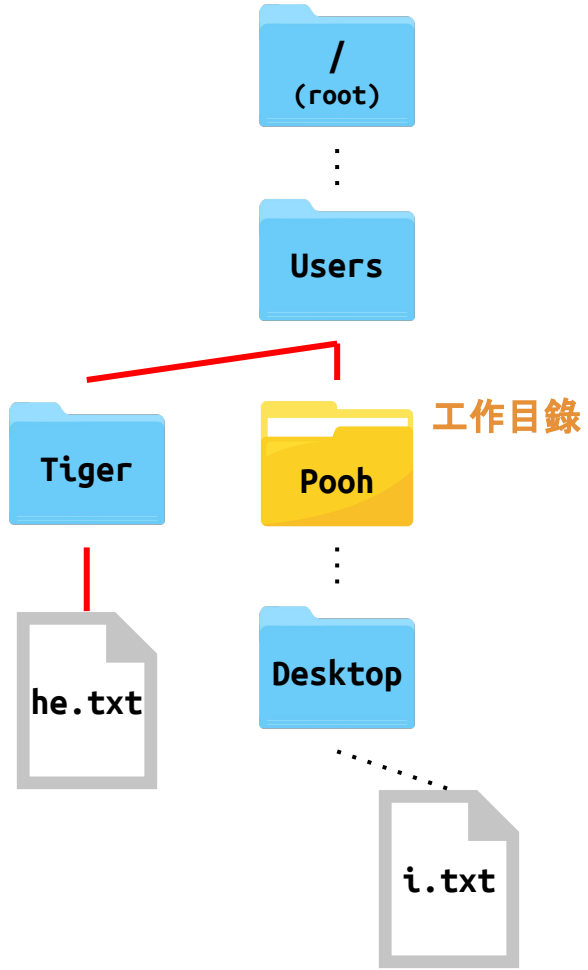
相對路徑

```
./../Tiger
```



相對路徑

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



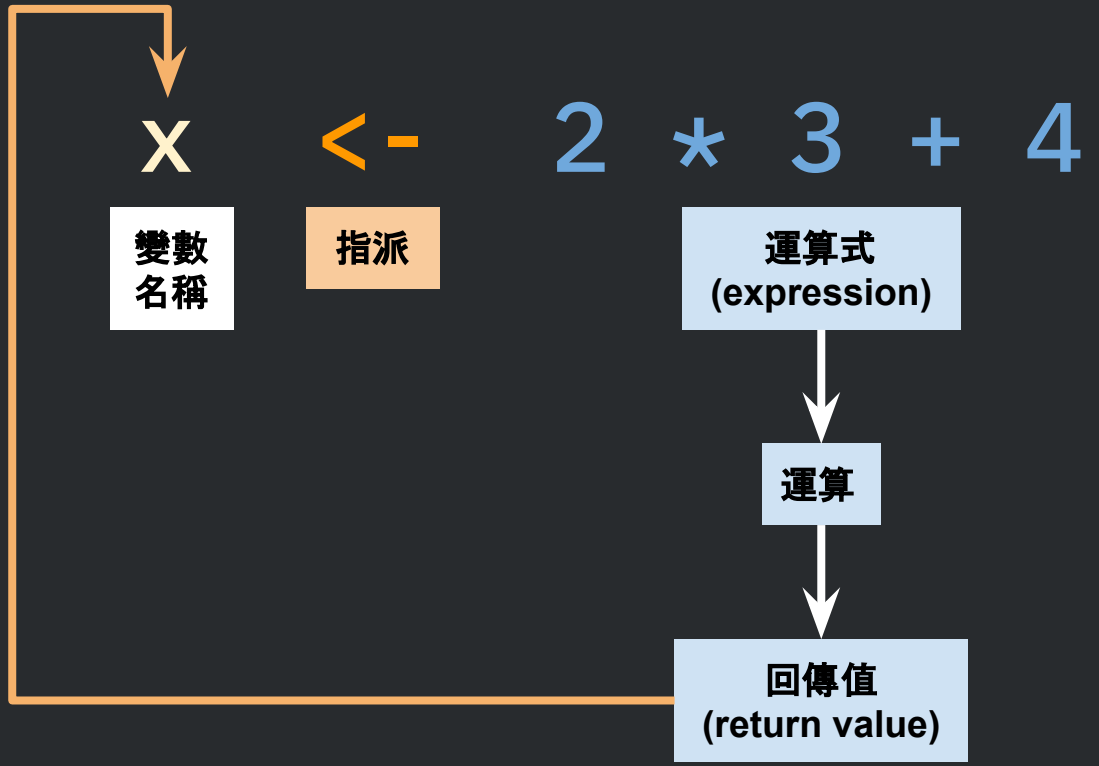
終端機 202
(Terminal 202)

```
cd <path>
```

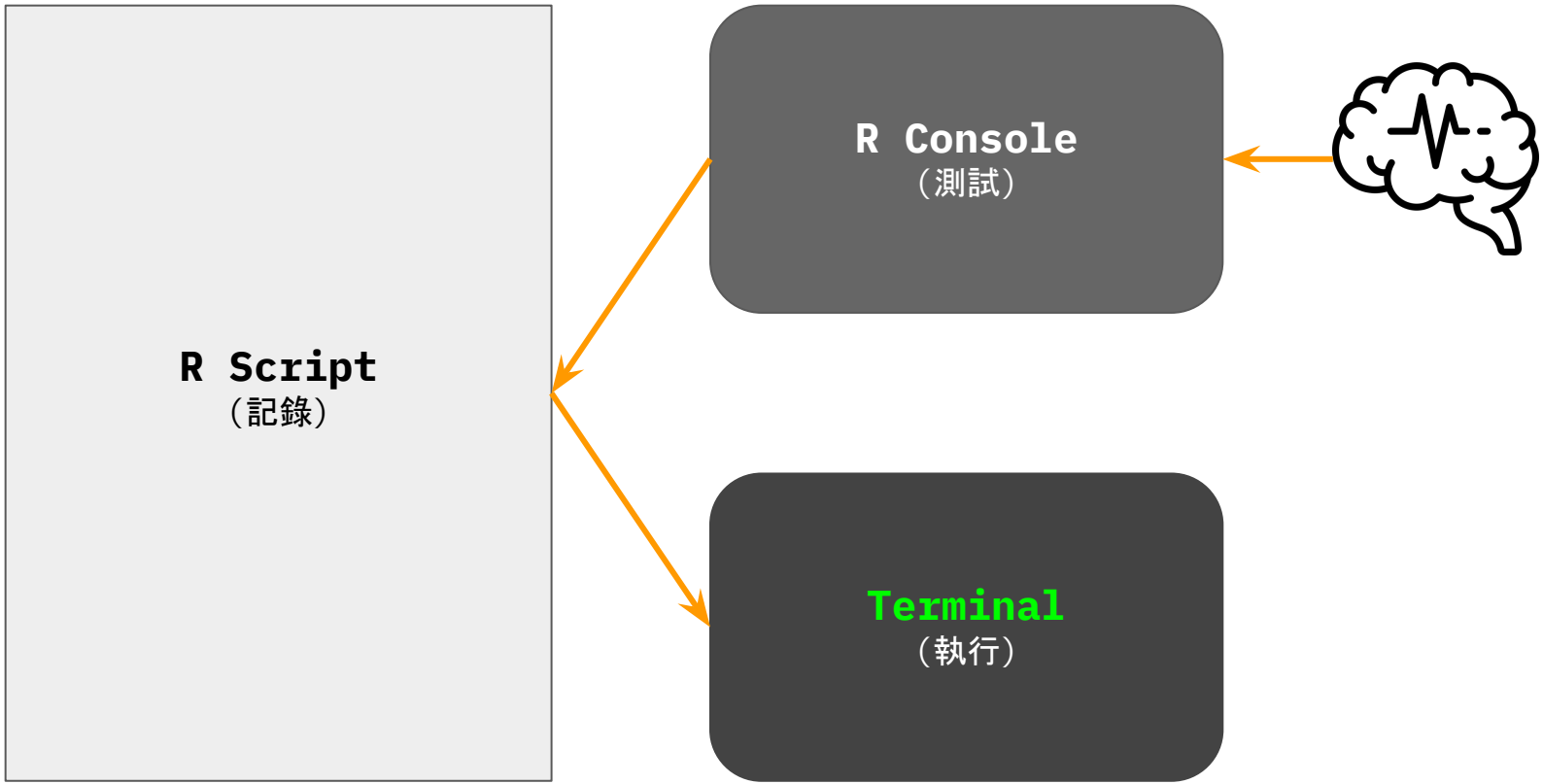
R 101

```
Rscript ./hello.R
```

變數指派
(Assignment)


x
<-
2 * 3 + 4
變數
名稱
指派
運算式
(expression)
運算
回傳值
(return value)

撰寫 R 必備的 3 樣工具



說明文件
(R Help Page)

`?<function_name>`

or

`?` `` `<function_name>` ``

用於「長相特別」的函數：

+, -, *, /

(e.g. `?` `` `+` ``)

```
engine_output              package:knitr              R Documentation

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.

Usage:

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

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.

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.

Value:

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

Examples:

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

Description: 簡短描述函數功能

Usage: 如何呼叫函數 (有哪些 Arguments)

Arguments: 每個 Argument 的意義

建議閱讀步驟:
Description > ***Usage*** > ***Arguments*** > ***Value*** > ***Examples*** > ***Details***

Details: 關於函數的詳細描述

Value: 函數會丟出什麼 (回傳值)

Examples: 可複製貼上直接執行的函數使用範例