

*Corona*入門課

*Lua*基礎1

字串

```
> print('aabbcc')  
aabbcc
```

```
> print("aabbcc")  
aabbcc
```

建議

```
> print([[aabbcc]])  
aabbcc
```

```
> print([=[aabbcc]=])  
aabbcc
```


賦值(傳值)

> a, b, c, d = true, false, 1, 1 < 2

> print(a, b, c, d)

true false 1 true

比較

- > `print(1 == 1)` 相等
- > `print(1 ~= 1)` 不等於 不是用`!=`

nil, '空'

```
> a, b, c, d = 1, 2
```

```
> print(a, b, c, d)
```

```
1      2      nil      nil
```


and , or , not

> print(1 and 1)

1

> print(nil or 1)

1

> print(not nil)

true

字串連接

```
> print('Hello' .. 'World')  
HelloWorld
```

英文術語: **concat**

計算長度

```
> print('#'abcd')
```

4

```
> print('#'Hello, world!')
```

13

```
> aa = 'Hello, world!'
```

```
> print('#aa')
```

13

```
> print(string.len(aa))
```

13

註解

```
> -- print('hello')
```

```
> --[[ 這是  
>> 很長  
>> 的註解]]
```

SublimeText快捷鍵：**Ctrl + /**

if條件式

condition

```
> if 1 == 1 then  
>   print('aa')  
> end
```

aa

while

condition

```
> while 1 == 2 do  
>   print('should never print')  
> end
```


for

> for i = 1, 3 do print(i) end

condition

> for i = 1, 10, 2 do print(i) end

1
2
3

1
3
5
7
9

repeat

```
> repeat print('aa') until 1 < 10
```

aa

至少執行一次

break

> for a = 1, 10 do	1
> if a > 5 then	2
> break	3
> end	4
> print(a)	5
> end	

中斷迴圈用

宣告函式

```
> function echo_aa()  
>   print('aa')  
> end  
> echo_aa()
```

aa

local variable

```
> aa = 'global variable'  
> function print_aa()  
>   local aa = 'bb'  
>   print(aa)  
> end  
> print_aa()  
bb
```

```
> print(aa)  
global variable
```


local V.S global variable

```
> aa = 'global variable'  
> local aa = 'bb'  
> print(aa)  
bb
```

local永遠優先