

SC101

Week 3

stutter function

```
def stutter(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [1, 1, 2, 2, 3, 3]
```

stutter function

```
def stutter(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [1, 1, 2, 2, 3, 3]
```

Queue

stutter function

```
def stutter(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [1, 1, 2, 2, 3, 3]
```

Queue

reverse function

```
def reverse(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [3, 2, 1]
```

stutter function

```
def stutter(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [1, 1, 2, 2, 3, 3]
```

Queue

reverse function

```
def reverse(lst):
```

```
    lst before: [1, 2, 3]
```

```
    return: [3, 2, 1]
```

Stack





Mac Command line

列出所有項目： ls

前往資料夾： cd

回到上個資料夾： cd ..

清理畫面： clear

執行檔案： python3 檔名

tab： 自動填寫

上箭頭： 歷史紀錄

Windows Command line

列出所有項目： dir

前往資料夾： cd

回到上個資料夾： cd ..

清理畫面： cls

執行檔案： py 檔名

tab： 自動填寫

上箭頭： 歷史紀錄

statement1

for i in range(N):

 for j in range(N):

statement2

statement3

for i in range(N):

statement4

statement5

statement6

statement1

// runtime = 1

for i in range(N):

 for j in range(N):

statement2

statement3

for i in range(N):

statement4

statement5

statement6

statement1

// runtime = 1

for i in range(N):

 for j in range(N):

statement2

statement3

// runtime = $2 N^2$

for i in range(N):

statement4

statement5

statement6

statement1

// runtime = 1

for i in range(N):

 for j in range(N):

statement2

// runtime = $2N^2$

statement3

for i in range(N):

// runtime = $3N$

statement4

statement5

statement6

Python tuple



WHAT
DOES THE
FOX
SAY?

wt ↗

Python dict