

프리렉의 열혈강의 시리즈

Python 파이썬



1

파이썬 (Python)

Python

(gslee@mail.gwu.ac.kr,)

(nested lists)

3.

4.

5.

6. (listcomprehension)

7.

8. range

9.

3

파이썬 (Python)

$$L[1:3] = [1, 2, 3]$$

> L[1:3] = []

> del L[1:3]

 \triangleright L[1:1] = [1, 2, 3]

4

5-2

```
>>> s = [1,2,3]
>>> t = ['begin', s, 'end']
>>> t
['begin', [1, 2, 3], 'end']
>>> t[1][1]
2

"begin"

2

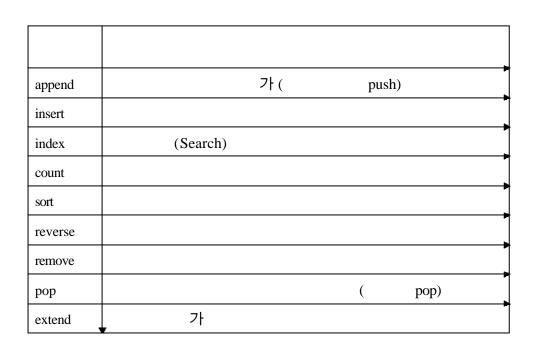
"end"

3
```

5

파이썬 (Python)

5-3



5-3

- (stack)
 - > append(s), pop()
- (queue)
 - > append(s), pop(0)

7

파이썬 (Python)

```
5-4
```

```
>>> lt = [('one', 1), ('two', 2)]
>>> for t in lt:
    print 'name=', t[0], 'num=', t[1]
>>> for t in lt:
    print 'name=%s, num=%s' % t
>>> for name, num in lt:
    print name, num
```

5-5

cmp(a, b)

$$>> L = [1,5,3,2,4,6]$$

9

파이썬 (Python)

5-6

?

P

```
>>> L = [k * k for k in range(10)]
>>> L
```

```
파이썬 (Python)
```

```
5-6
```

:2

가

```
>>> [(i, j, i*j) for i in range(2, 100, 2)
for j in range(3, 100, 3)
if (i + j) % 7 == 0]
```

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파이썬 (Python)

5-7

가

```
>>> GNU = ['is not Unix']
>>> GNU.insert(0, GNU)
>>> GNU
[[...], 'is not Unix']
```

15

5-8 range

- range(10)
- range(1, 10)
- range(1, 10, 2)
- range(0, -10, -1)
- sun, mon, tue, wed, thu, fri, sat = range(7)

가

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파이썬 (Python)

가

- dir()

- > dir() -
- > dir(sys) -

가

sys.argv

>

15

파이썬 (Python)

가

• A = [1,2,3,4,5]

- A = range(10)

• A = [0] * 10

- A = [None] * 10

2

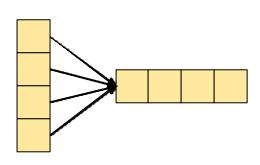
mat = [[1,2,3], [4,5,6], [7,8,9]]

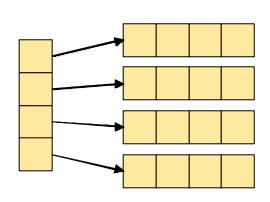
mat[1][2] #6

가

>

- mat = [[0] * 4] * 3
- mat = [[0] * 4 for x in range(3)]





17

파이썬 (Python)

기

- array

가

- >>> from array import *
- >>> a = array('i', range(10)) #

Library Reference

가

Numeric Python

• (, FFT

CD-ROM packages/Etc/NumericPython

•••

http://pfdubois.com/numpy/

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파이썬 (Python)

가

> glob.glob()

>

· ?, *, [...]

- > os.path
 - isfile(), isdir(), islink(), ismount(), ...