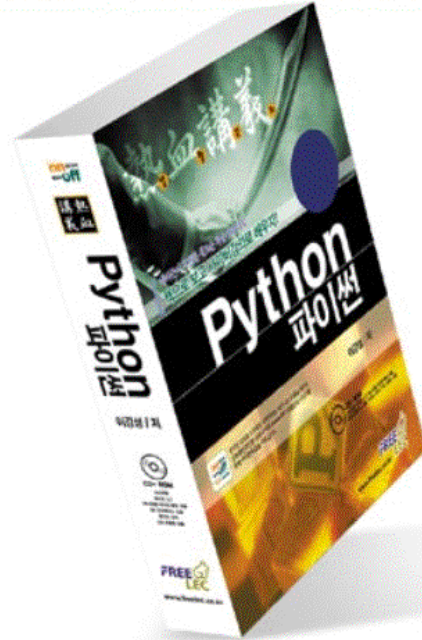


# 熱血講義

프리렉의 열혈강의 시리즈

## Python 파이썬



1

파이썬 (Python)

# Python



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:

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- 1.
- 2.
- 3.

## 3-1



➤ 10 , 8 , 16



➤ e, E가

➤ 64

➤ 17, 10 -308~308



## 3-1



## 3-2



- `+, -, *, /, //, **, %`
- `/`

- `>` `1,` `0`
- `>` `>, <, >=, <=, ==, !=`

- - **not x**
  - **x and y**
  - **x or y**
- - **1, 0**
- - **0**
  - **,**
  - **None, 0, 0.0, 0L, 0.0+0.0j, [], (), {}**

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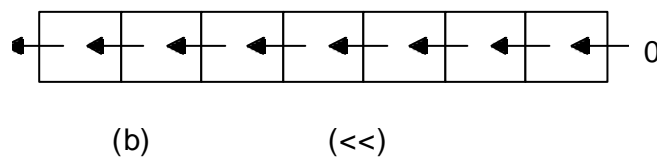
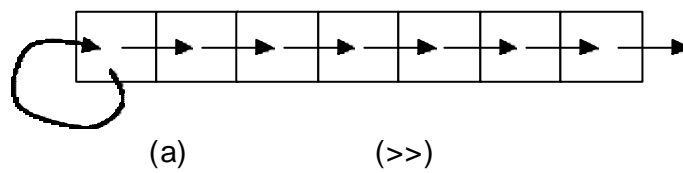
- - **가**
  - 
  - **1 and 2**
  - **3 or 4**
  - **b = a > 4 and 10 or 20**

- ~ : (1 )
- <<, >> : ,
- & : AND
- ^ : XOR
- | : OR

```
>>> ~0
-1
>>> a = 8
>>> a << 1
16
>>> a >> 1
4
```

11

## shift



12

- &, |, ^ (and, or, xor)**

```
>>> a = 3
```

```
>>> a & 2
```

```
2
```

```
>>> a | 8
```

```
11
```

```
>>> a ^ 2
```

```
1
```



<code>abs(x)</code>	<code>x</code>
<code>int(x)</code>	<code>x int( )</code>
<code>long(x)</code>	<code>x long</code>
<code>float(x)</code>	<code>x float</code>
<code>complex(re, im)</code>	<code>re im</code>
<code>c.conjugate()</code>	<code>c</code>
<code>divmod(x, y)</code>	<code>(x/y, x%y)</code>
<code>pow(x, y)</code>	<code>x y</code>

- **math** –

- **cmath** –

```
>>> import math
```

```
>>> dir(math)
```

```
['__doc__', '__name__', 'acos', 'asin', 'atan',  
, 'atan2', 'ceil', 'cos', 'cosh', 'e', 'exp',  
, 'fabs', 'floor', 'fmod', 'frexp', 'hypot',  
, 'ldexp', 'log', 'log10', 'modf', 'pi', '  
pow', 'sin', 'sinh', 'sqrt', 'tan', 'tanh']
```

```
>>> math.pi
```

```
3.1415926535897931
```

```
>>> math.e
```

```
2.7182818284590451
```

```
>>> math.sin(1.0)
```

```
0.8414709848078965
```

```
>>> math.sqrt(2)
```

```
1.4142135623730951
```