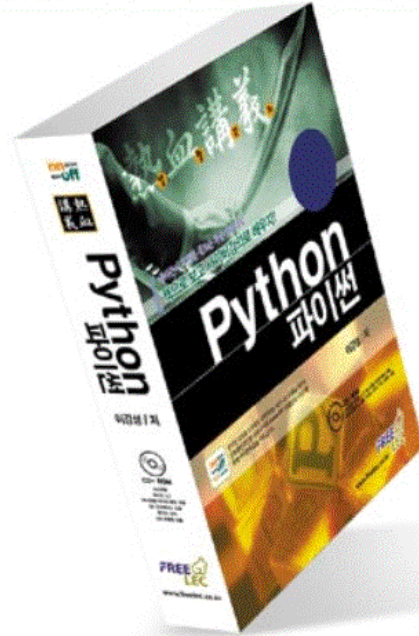


熱血講義

프리렉의 열혈강의 시리즈

Python 파이썬



1

파이썬 (Python)

Python

❖ 9

:

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- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.



```
>>> f = open('t.txt', 'w') #      file
>>> f.write(s) #
>>> f.close()
```



```
>>> f = open('t.txt') #      f = file('t.txt')
>>> s = f.read() #      .
```

- - `readline()` –
 - `readlines()` –
 - `xreadlines()` –
(lazy evaluation) (2.1)
 - (2.2)

```
f = open('t.txt')
line = f.readline()
while line:
    print line,
    line = f.readline()
```

```
f = open('t.txt')
for line in f.readlines():
    print line,
```

```
f = open('t.txt')
for line in f.xreadlines():
    print line,
```

```
f = open('t.txt')
for line in f:
    print line,
```

- **write(s) – s**
- **writelines(lines) –**

```
>>> lines = ['first line\n', 'second line\n', 'third line\n']
>>> f = open('t1.txt', 'w')
>>> f.writelines(lines)

>>> import string
>>> lines = ['first line\n', 'second line\n', 'third line\n']
>>> f = open('t1.txt', 'w')
>>> f.write(''.join(lines))

>>> lines = ['first line', 'second line', 'third line']
>>> f = open('t1.txt', 'w')
>>> f.write('\n'.string.join(lines))
```

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- ```
>>> f = open('t.txt')
>>> s = f.read()
>>> n = len(s.split())

>>> n = len(open('t.txt').read().split())
```
- ```
>>> f = open('t.txt')
>>> s = f.read()
>>> string.count(s, '\n')

>>> f = open('t.txt')
>>> len(f.readlines())
```

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```
>>> f = open('t.txt')
>>> len(f.read())
609

>>> import os
>>> os.path.getsize('t.txt')
638
# \015\012 → \012
```

read(n)

```
>>> f = open('t.txt')
>>> s = f.read(10) # 10
```

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'r'	
'w'	
'a'	가 ()
'r+'	
'w+'	()
'a+'	가 (가)

• b 가 binary ()

가

```
f = open('removeme.txt', 'a') # 가
f.write('third line\n')
```

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- `seek(n) - n`
- `seek(n, 1) - n`
- `seek(n, 2) - n`
`(n)`
- `tell() -`



```
>>> f = open('t.txt', 'w+')
>>> str = '0123456789abcdef'
>>> f.write(str)
>>> # 5
>>> f.seek(5)
>>> print f.tell() #
5
>>> # 1
>>> print f.read(1)
5
>>> # 3
>>> f.seek(-3,2)
>>> print f.tell()
13
>>> print f.read(1)
d
```

가

file.flush()	가
file.fileno()	file (file descriptor)()
file.isatty()	file 가 tty 1 0
file.truncate([size])	.

가

file.closed	file close 1 0
file.mode	
file.name	open()
file.softspace	1 print 가 . 0 가



replace.py

```
import sys # argv
import re #

def replace(fname, srcstr, deststr):
    f = open(fname)
    txt = f.read()
    txt = re.subn(srcstr, deststr, txt)[0]
    return txt

if __name__ == '__main__':
    print replace(sys.argv[1], sys.argv[2],
                  sys.argv[3])
```

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```
import sys

f = open('t.txt', 'w')
stdout = sys.stdout #
sys.stdout = f #
print 'Sample output'
f.close()
sys.stdout = stdout #
```



print

```
>>> f = open('t.txt', 'w')
>>> print >> f, 'spam string'
>>> f.close()
```

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```
import sys, StringIO

stdout = sys.stdout #
sys.stdout = f = StringIO.StringIO()
print 'Sample output'
sys.stdout = stdout      #
s = f.getvalue()          #      가
```



```
f = StringIO.StringIO(s)    #

print f.read().upper()      #
```

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(persistent modules)



가



DBM

■ DBM

■ DBM

■ anydbm, dbm, gdbm, dbhash, dumbdbm

■



pickle

■

(,)

■

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- **marshal**



.pyc



pickle

- **shelve**



dbm

pickle

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- **DBM**



```
>>> import anydbm
>>> f = anydbm.open('music', 'c') # 'c'(create)
>>> f['flute'] = 'wood wind'
>>> f['violin'] = 'string'
>>> f['piano'] = 'keyboard'
>>> f.keys() # values items
['flute', 'violin', 'piano']
>>> len(f) #
3
>>> f.has_key('oboe') # has_key
0
>>> f['flute'] #
'wood wind'
>>> f.close() #
```

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(pickling)

- **pickle**



가



,



```
import pickle
pickle.dump( , )
```



```
object = pickle.load( )
```

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(pickling)

- **pickle**



/

- **dumps()** -
- **loads()** -

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```
# pickleSample.py
import pickle

phone = {'tom': 4358382, 'jack': 9465215, 'jim':
        6851325, 'Joseph': 6584321}
list = ['string', 1234, 0.2345]
tuple = (phone, list) # , ,

f = open('t2.txt', 'w') #
# (pickling)
pickle.dump(tuple, f) #
f.close()

f = open('t2.txt', 'r')
# (unpickling)
x,y = pickle.load(f) # x, y
print x # x , y
print y
```

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```
import pickle
class Simple: # 가
    pass

s = Simple() #
s.count = 10 #

f = open('t3.txt', 'w')
pickle.dump(s, f) #
f.close()

f = open('t3.txt')
t = pickle.load(f) # 가
print t.count
```

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- - `pickle.dump(s, f)` 가
 - `(s, f)`
 - `dump(s, f, 1)` 1
- **cPickle**
 - `pickle` (1000)