

熱血講義

프리렉의 열혈강의 시리즈

Python 파이썬



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파이썬 (Python)

Python

❖ 18

:

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1. 1. , , 가 , , ,
2. 1. ,
- 3.

- - glob
 - os.listdir() –
 - dircache.listdir()
 -
 - dircache.annotate(head, list)
 - head/list가 ‘/’ 가

*	
?	
[seq]	seq . ([abc])
[!seq]	seq . (![abc])

- - `os.path.isfile(filepath)` - 1
 - `os.path.isdir(filepath)` - 1
 - `os.path.islink(filepath)` - 1
 - `os.path.ismount(filepath)` - filepath가 1
 - `os.path.exists(filepath)` – filepath 1

가

- 가
 - `os.access(filepath, mode)`
 - mode: `F_OK()`, `R_OK()`, `W_OK()`, `X_OK()`
 - `os.access('t.c', os.R_OK|os.W_OK)`
- 가
 - `os.chmod(filepath, mode)`
`os.chmod('t.c', 0777)`

- - `os.rename(A, B)`
- - `os.rename(A, B)`
- - `(shutil`)
- - `shutil.copyfile(A, B)`
- - `os.remove(A)`

(unix)

- - `os.link('t.c', 't.lnk')`
- - `os.symlink('t.c', 't.slnk')`
- - `os.readlink('t.slnk')`

```
>>> import os, stat
>>> os.stat(r'\Python22\t.py')[stat.ST_ATIME]
1027436400
>>> os.stat(r'\Python22\t.py')[stat.ST_MTIME]
992765820
```

```
import os, time
os.utime('t.txt') #
t1 = time.time() #
t2 = time.time() - 60*60 # 1
os.utime('t.txt', (t1,t2)) # t1, t2
```

(unix)

```
>>> import os, stat
>>> os.stat('t.c')[stat.ST_UID]
501
```

```
>>> os.chown('t.c', 501, 101) # root 가
```

```
>>> import tempfile
>>> tempfile.mktemp()
'C:\\DOCUME~1\\gslee\\LOCALS~1\\Temp\\~944-0'
>>> tempfile.mktemp('.txt')
'C:\\DOCUME~1\\gslee\\LOCALS~1\\Temp\\~944-2.txt'
```

```
>>> os.stat('t.c')
(33188, 16502, 2057L, 2, 501, 501, 100, 995943184,
989288175, 995943773)
```

ST_MODE	Inode
ST_INO	Inode
ST_DEV	inode가
ST_NLINK	inode
ST_UID	id
ST_GID	id
ST_SIZE	()
ST_ATIME	
ST_MTIME	
ST_CTIME	

파이썬 (Python)

```
>>> os.stat('t.c')[stat.ST_INO]    # inode
16502
>>> os.stat('t.c')[stat.ST_UID]    #      id
501
>>> os.stat('t.c')[stat.ST_SIZE]    #
100
```

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파이썬 (Python)

- ```
>>> os.getcwd()
'/home'
```
- ```
>>> os.chdir('/home/gslee')
```
- ```
>>> os.mkdir('temp') # 0777
>>> os.mkdir('temp2', 0700)
>>> os.makedirs('temp/level1/level2') # 0777 .
>>> os.makedirs('temp/level1/level3', 0755)
```

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- `os.rename(old, new)`
- `os.rename(old, new)`
- `shutil.copytree(src, dst[, symlinks])`
- `symlinks` 71, 0(default)

- `os.rmdir(path) #`
  - `os.removedirs('level1/level2')`
  - `(`
- ```
>>> import shutil
>>> shutil.rmtree('temp') #
```


- **os.path.walk(path, visit, arg)**
 - path :
 - visit :
callback
 - arg : callback
- **visit(arg, dirname, names)**
 - walk
 - dirname :
 - names :

```
# .bak
import os
# , ,
def dosomething(args, dirname, filenames):
    # .bak          fnames
    fnames = filter(lambda fname: os.path.splitext(fname)[1] ==
'.bak', filenames)
    for fname in fnames:
        fname = os.path.join(dirname, fname)
        print 'removing:', fname
        os.remove(fname)

os.path.walk("g:\\", dosomething, [])
```

파이썬 (Python)

- ```
>>> os.path.abspath('t.txt')
'C:\\Python22\\t.txt'
```
- ```
>>> os.path.expanduser('~/.txt')
'/home/gslee/t.txt'
```
- ```
>>> os.path.join('a', 'b', 'd.txt') #
'a/b/d.txt'
```
- ```
>>> os.path.normcase('/Down/Python.exe')
'\\down\\python.exe'
```
- ```
>>> os.path.normpath('A/B/./B/./t.txt')
'A/B/t.txt'
```

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## 파이썬 (Python)

- /   

```
>>> f = 'C:\\Python22\\t.txt'
>>> os.path.basename(f) #
't.txt'
>>> os.path.dirname(f) #
'C:\\Python22'
```
- ```
>>> os.path.split(f)
('C:\\Python22', 't.txt')
```
- ```
os.path.splitdrive(f)
```
- ```
>>> os.path.splitext(f)
('C:\\Python22\\t', '.txt')
```

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- ```
>>> os.path.expandvars('$HOME/t.txt')
'/home/gslee/t.txt'
```

- /  

```
>>> os.curdir #
'.'
>>> os.pardir #
'..'
```

- ```
>>> os.sep #  
'\\'  
>>> os.sep #  
'/'
```

- **fnmatch** —

```
>>> import fnmatch  
>>> fnmatch.fnmatch('t.txt', '?*.txt')  
1  
>>> fnmatch.fnmatch('a.txt', '[abc].txt')  
1
```