

03-pathnames-mac-linux

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1 Pathname manipulation

- This notebook was authored on a Mac
 - Linux should work the same way
- `os.path` module has useful functions
- [doc](#)

```
In [2]: # module with helpful pathname functions
```

```
import os
```

```
# string that separates components of a pathname  
# different on windows
```

```
os.sep
```

```
Out[2]: '/'
```

```
In [3]: # Most pathname functions will NOT expand '~'  
# use os.path.expanduser
```

```
import os
```

```
ep = os.path.expanduser('~foo/bar/zap.txt')  
ep
```

```
Out[3]: '/Users/lstead/foo/bar/zap.txt'
```

```
In [2]: # get pieces of paths
```

```
[os.path.split(ep), os.path.splitext(ep)]
```

```
Out[2]: [('/Users/lstead/foo/bar', 'zap.txt'), ('/Users/lstead/foo/bar/zap', '.txt')]
```

```
In [ ]: # put paths together
```

```
os.path.join('/Users', 'lstead', 'foo/', 'bar', 'zap.txt')
```

```
In [3]: # leading / on foo eliminates components on the left
        os.path.join('/Users', 'lstead', '/foo', 'bar', 'zap.txt')

Out[3]: '/foo/bar/zap.txt'

In [5]: import tempfile as tf
        t=tf.NamedTemporaryFile()
        t.name

Out[5]: '/var/folders/7p/8hg8wwy575z8m7n_bc4mjcdc0000gn/T/tmpjkgzwdk_'

In [ ]:
```