

## Archivos

### Abrir Archivos

```
In [10]: path = "/Users/diego/Cursos/curso_python/data/01_ejemplo.txt"
data = open(path)
print(data)

<_io.TextIOWrapper name='/Users/diego/Cursos/curso_python/data/01_ejemplo.txt' mode='r' encoding='UTF-8'>
```

```
In [2]: path = open('data')

-----
FileNotFoundError                                Traceback (most recent call last)
<ipython-input-2-a84afe3fb400> in <module>
----> 1 path = open('data')

FileNotFoundError: [Errno 2] No such file or directory: 'data'
```

```
In [8]: # len(data)
c = 0
for line in data:
    c = c + 1
    # print(line)
print(c)

0
```

```
In [11]: data = open(path)
d = data.read()
print(len(d))

2644
```

```
In [14]: fhand = open('mbox-short.txt')
count = 0
for line in fhand:
    if line.startswith('From:'): print(line)

From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: gsilver@umich.edu
From: gsilver@umich.edu
From: zqian@umich.edu
From: gsilver@umich.edu
From: wagnermr@iupui.edu
From: zqian@umich.edu
From: antranig@caret.cam.ac.uk
From: gopal.ramasammycook@gmail.com
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: louis@media.berkeley.edu
From: ray@media.berkeley.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
```

```
In [15]: fhand = open('mbox-short.txt')
for line in fhand:
    line = line.rstrip()
    if line.startswith('From:'):
        print(line)

From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: gsilver@umich.edu
From: gsilver@umich.edu
From: zqian@umich.edu
```

```
From: gsilver@umich.edu
From: wagnermr@iupui.edu
From: zqian@umich.edu
From: antranig@caret.cam.ac.uk
From: gopal.ramasammycook@gmail.com
From: david.horwitz@uct.ac.za
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From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: louis@media.berkeley.edu
From: ray@media.berkeley.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
```

```
In [16]: fhand = open('mbox-short.txt')
for line in fhand:
    line = line.rstrip()
    # Skip 'uninteresting lines'
    if not line.startswith('From:'):
        continue
    # Process our 'interesting' line
    print(line)
```

```
From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: zqian@umich.edu
From: rjlowe@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: gsilver@umich.edu
From: gsilver@umich.edu
From: zqian@umich.edu
From: gsilver@umich.edu
From: wagnermr@iupui.edu
From: zqian@umich.edu
From: antranig@caret.cam.ac.uk
From: gopal.ramasammycook@gmail.com
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: david.horwitz@uct.ac.za
From: stephen.marquard@uct.ac.za
From: louis@media.berkeley.edu
From: louis@media.berkeley.edu
From: ray@media.berkeley.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
From: cwen@iupui.edu
```

```
In [1]: fname = input('Enter the file name: ')

try:
    fhand = open(fname)
except:
    print('File cannot be opened:', fname)
    exit()

count = 0
for line in fhand:
    if line.startswith('Subject:'):
        count = count + 1
print('There were', count, 'subject lines in', fname)
```

```
Enter the file name: mbox-short.txt
There were 27 subject lines in mbox-short.txt
```

## Escribiendo Archivos

```
In [7]: fout = open('output.txt', 'w')
print(fout)
line1 = "This here's the wattle,\n"
fout.write(line1)
line2 = 'the emblem of our land.\n'
fout.write(line2)
fout.close()
```

```
<_io.TextIOWrapper name='output.txt' mode='w' encoding='UTF-8'>
```

```
In [3]:
```

```
Out[3]: 24
```

```
In [5]:
```

```
Out[5]: 24
```

```
In [6]:
```

```
In [ ]:
```