1.18 bootcamp afternoon python  
Task1: print number of each word

Taks2: babyname sort

1. Symbols represent

. means any characters

\w means amy word characters

\d means digits

\s means with whitespace

\S means not with whitespace

\* means 0 or more of the previous thing

+: 1 or more of the previous thing

Find(‘[a, b]’, ‘ben’)

Find(‘\w\*@[\w.]\*’, )

Find(‘\w\*@(\w+\.)+\w+’, )

输出第一个找到的 符合的

def Find(pattern, text):

... match=re.search(pattern, text)

... if match: print (match.group())

... else: print('nothing')

>>> Find('ben', 'Hello, ben, Nice')

ben

>>> Find('b..', 'Hello, ben...e')

ben

>>> Find('\w\*\d\*', 'hello, bgg456')

hello

>>> Find('...gs', 'ben g is the prof. ben gs so sool.')

en gs

>>> re.findall('\w+@\w+\.+\w+', 'something brif@gmail.com sothen other fhau@gmail.com')

['brif@gmail.com', 'fhau@gmail.com']

match=re.search('(\w+)@(\w+\.+\w+)', 'something brif@gmail.com sothen other fhau@gmail.com')

>>> match.group()

'brif@gmail.com'

>>> match.group(1)

'brif'

>>> match.group(2)

'gmail.com'

( ): gives you the subset

>>> 'cat:dog:fish'.split(':')

['cat', 'dog', 'fish']

text=''' Ben Grimmer: bdg79

...

...

... Bob Ross: br123

...

... Joe: j2'''

>>> re.split('\s', text)

['', 'Ben', 'Grimmer:', 'bdg79', '', '', 'Bob', 'Ross:', 'br123', '', 'Joe:', 'j2']

>>> re.split('\s+', text)

['', 'Ben', 'Grimmer:', 'bdg79', 'Bob', 'Ross:', 'br123', 'Joe:', 'j2']

>>> re.split('\n+', text)

[' Ben Grimmer: bdg79', 'Bob Ross: br123', 'Joe: j2']

\n: no split (empty) line

LOSC-event

Pep 8: a python enhancement proposal

[www.python.org/dev/peps/pep-0008](http://www.python.org/dev/peps/pep-0008)

regular\_variables