

```

1 import re
2
3 m = re.search('(?<=abc)def', 'abcdef')
4 m.group(0)
5
6 m = re.search(r'(?<=-)\w+', 'spam-egg')
7
8
9 #prog = re.compile(pattern)
10 #result = prog.match(string)
11 #OR
12 #result = re.match(pattern, string)
13
14 a = re.compile(r"""\d + # the integral part
15                \.    # the decimal point
16                \d *  # some fractional digits""", re.X)
17 b = re.compile(r"\d+\.\d*")
18
19 re.split(r'\W+', 'Words, words, words.')
20 re.split(r'(\W+)', 'Words, words, words.')
21 re.split(r'\W+', 'Words, words, words.', 1)
22 re.split('[a-f]+', '0a3B9', flags=re.IGNORECASE)
23
24 re.split(r'(\W+)', '...words, words...')
25
26 print(re.escape('https://www.google.com'))
27 legal_chars = string.ascii_lowercase+string.digits+"!#$%&'*+-.^_`|~:"
28 print('[%s]+' % re.escape(legal_chars))
29 operators = ['+', '-', '*', '/', '**']
30 print(''.join(map(re.escape, sorted(operators, reverse=True))))
31
32 digits_re = r'\d+'
33 sample = '/usr/sbin/sendmail - 0 errors, 12 warnings'
34 print(re.sub(digits_re, digits_re.replace('\\', r'\\'), sample))
35

```