Python regex `split` function

Python regex split() function explained with examples.

Python string splitter

The `split()` funtion, splits a string by the occurrences of a `pattern`.

Syntax

```
re.split(pattern, string, maxsplit=0, flags=0)
```

If `maxsplit` is nonzero, at most `maxsplit` splits occur, and the remainder of the string is returned as the final element of the list.

Example 1

Break the string: '**Learn, Scientific, Python**', into three elements: `Learn`, `Scientific`, `Python`:

```python
#!/usr/bin/python
import re

line = "Learn, Scientific, Python"

m = re.split('\W+', line)

if m:
  print m
else:
  print "No match!"
```

Example 2

Now let's make a second example, where a splitter can any alphabet from `[a-z]`

```python
#!/usr/bin/python
import re

line = "+61Lean7489Scientific324234"

m = re.split('[A-Za-z]+', line, re.I)

if m:
  print m
else:
  print "No match!"
```