

# Python regex `split` function

Python regex split() function explained with examples.

## We'll cover the following ^

- Python string splitter
- Syntax
- Example 1
- Example 2

## Python string splitter #

The `split()` function, 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`:

```
1  #!/usr/bin/python
2  import re
3
4  line = "Learn, Scientific, Python"
5
6  m = re.split('\W+', line)
7
8  if m:
9      print m
10 else:
11     print "No match!"
12
```





## Example 2 #

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

```
1  #!/usr/bin/python
2  import re
3
4  line = "+61Lean7489Scientific324234"
5
6  m = re.split('[A-Za-z]+', line, re.I)
7
8  if m:
9      print m
10 else:
11     print "No match!"
```

