Non-scalar objects

- We will see many different kinds of compound objects
- The simplest of these are strings, objects of type str
- Literals of type string can be written using single or double quotes
 - 'abc'
 - "abc"
 - '123' this is a string of characters, not the number

Operators on strings

```
>>> 3 * 'a'
'aaa'
>>> 'a' + 'a'
                        operater continy
'aa'
>>> 'a' + str(3)
'a3'
>>> len('abc')
3
```

Extracting parts of strings

- Indexing:
 - 'abç' [0] returns the string 'a'
 - 'abc' [2] returns the string 'c'
 - 'abc' [3] is an error (as we cannot go beyond the boundaries of the string)
 - 'abc' [-1] returns the string 'c' (essentially counting backwards from the start of the string)
- Slicing:
 - If s is a string, the expression s[start:end] denotes the substring that starts at start, and ends at end-1
 - 'abc'[1:3] has the value 'bc'