

String Methods

String methods: find, split

```
>>> nr = "0123456789"
>>> nr.find("3")
3
>>> nr.find("567")
5
>>> nr.find("2", 4)
-1
>>> nr.split("5")
['01234', '6789']
>>>
```

The elements are not numbers but texts.
Use “**find**” to find the start of a substring.

Start looking for 2 from the 4th position.
.find returns **-1** if it couldn't find a match.

Split the string into parts with “,”
as the data **delimiter**

String operators - *in* / *not in*

```
>>> if "John" in "John Smith":  
    print ("My full name is John Smith")
```

```
>>> email = "j.smith"
```

```
>>> if "@" not in email:  
    email += "@email.com"      # B+=A means B=B+A
```

```
>>> email  
'j.smith@email.com'
```

String method: *strip*, *rstrip*, *lstrip*

- Remove space from a string

```
>>> my_email = "h.lim@email.com"
>>> my_email.strip()
'h.lim@email.com'
    # There is no space at the 1st and last positions
>>> my_email.rstrip()
'h.lim@email.com'
    # There is no space at the last position
>>> my_email.lstrip()
'h.lim@email.com'
    # There is no space at the 1st position
```

Other String methods

```
my_email = "h.lim@email.com"
```

```
>>> my_email.startswith("a")
```

```
False
```

```
>>> my_email.startswith("h")
```

```
False
```

```
>>> my_email.startswith(" ")
```

```
True
```

```
>>> my_email.endswith("m")
```

```
False
```

```
>>> univ_email = "%s@lboro.ac.uk" % "h.lim"
```

```
>>> univ_email
```

```
'h.lim@lboro.ac.uk'
```

Other methods for a character string

```
names = "James", "Chen", "Kim", "Sergey"
```

```
>>> names  
('James', 'Chen', 'Kim', 'Sergey')
```

```
>>> "; ".join(names)  
'James;Chen;Kim;Sergey'
```

```
>>> "Bob".upper()  
'BOB'
```

```
>>> "Bob".lower()  
'bob'
```