

## Exercise Set 8

### Regular expressions

University of Oslo - IN3110/IN4110

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These exercises are optional. You don't have to put your answers in your Github repo

#### Basic regular expressions

Familiarize yourself with basic regular expression syntax, and how to use them in Python. You can find the documentations here: <https://docs.python.org/3/library/re.html>.

#### Simple matching

Create regular expressions that matches the following

- The string `'abc'`
- A string consisting of a number and a letter
- A string consisting of at least one letter, anything but the digit 9, and then 0 or more digits.
- The following string, up to the first parenthesis: `You should match this) but not this )`

## Substitution

Enclose the group of b's in parentheses in the following strings: `aaaabbbccc`, `aaab`.

## Email

Write a regex that matches (reasonable) e-mail addresses.

## Link tags

Write a regex that matches the `href`-part of an HTML anchor tag if it is a (reasonably) valid URL. for instance `<a href='''www.google.com'''>This is a link to Google</a>`