

Exercise Set 6

Regular expressions

University of Oslo - IN3110/4110

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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 parantheses 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 `This is a link to Google`