

Regex Lab Assignment

Three tasks done perfectly = 10 points. A fourth one is recommended as a bonus. Don't forget to show the output while validating.

Wiping comments out

Create a regular expression using `grep` that removes all lines containing only comments from a bash script. See `script .bash` hereby attached for acceptance testing

Gathering all kinds of URIs

Create a single unix regular expression to show all lines that contain URI's in a html file (hrefs, ...). See `uris .html` hereby attached for acceptance testing

Dutch Phone Numbers

Create a single regexp to filter Dutch telephone land numbers correctly

- with and without national code, like 31205257414 | 0205257514
- with + or 00 like +31205257414 | 0031205257514
- with various spaces like +31 20 525 7514 | 00 31 525 75 14 | (020) 525 75 14

See `dutch_and_non-dutch.lst` hereby attached for acceptance testing

VISA card numbers

Create a single regexp to match VISA card correctly

- consider the case where we separate the number with — or a some space
- only VISA card no other card numbers

See `cardnumbers.json` hereby attached for valid examples

Experiment *beyond-ERE* features

Does not work with `grep` nor `sed`: use Perl, Python or whatever

To warm up, show a situation where `_ungreedy/lazy_` regex can be handy. Now explore features from PCRE or other Regex implementation that go beyond the normal ERE features given with `egrep` and `sed -r`. Show at least one exotic case where your favorite programming language wins over standard UNIX command line.