

## Exercise answers

The answers here are based on the knowledge from the slides up to that point. There are (nearly) always alternative answers to every regex question.

1. `a`
2. `h.t`
3. `h[aeiou]t / h[aiou]t`
4. `[A-Za-z]`
5. `[^A-Za-z]`
6. `h..t -> h[a-z]+t / h\w+t`
7. `pick\w* / pick[a-z]*`
8. `pic?k\w*`
9. `[\w-']+ / [\w\-' ]+ (optional whether to escape -)`
10. `\d{3,5}\s\d+`
11. `[A-Z]{2}[A-Z\d]{1,2} \d[A-Z]{2}`
12. `(Mon|Tues|Wednes|Thurs|Fri)day('s)?`
13. `\$\d+(\.\d\d)?`
14. `he -> \bhe\b`
15. `was(?:\sgoing)\s\w+ing\b`  
(To see the effect of lazy quantifiers (slide 15) try  
`was(?:\sgoing)\s\w+?ing`)
16. `(Mon|Tues|Wednes|Thurs|Fri)day('s)?(?:=\sI'm in [lL]ove)`
17. `Queen(?:\sElizabeth)\s\w+(\s[IV]+)?`
18. `\b([a-z])([a-z])[a-z]\2\1\b (matches palindromes of length 5)`  
`\b([a-z])([a-z])([a-z])\3\2\1\b (matches palindromes of length 6)`