

“Answers” to Searching Activity

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Regular Expressions (Answers)

1. What do the following regular expressions match?

- (a) $/m(a|e|i|o|u)d/$
mad, med, mid, mod, mud
- (b) $/m(a|e|i|o|u)d?/$
ma, me, mi, mo, mu, mad, med, mid, mod, mud
- (c) $/m(a|e|i|o|u)?d/$
md, mad, med, mid, mod, mud
- (d) $/qwer*ty/$
qwety, qwerty, qwerrty, qwerrrty, ...
- (e) $/qw(er)*ty/$
qwty, qwerty, qwererty, qwerererty, ...
- (f) $/qw(er)+ty/$
qwerty, qwererty, qwerererty, qwererererty, ...
- (g) $/qwer.ty/$
qwer4ty, qweraty, qwer!ty, ... , qwerzty (*every possible character*)
- (h) $/qwer.*ty/$
qwer4ty, qwer45ty, qwerGY?ty, qwerany-long-stringty, ...
- (i) $/qwe(r)*ty/$
qwety, qwer4ty, qwer6rity, qwerrrpr0ty, ...

2. Write regular expressions which match the following lists of strings:

- (a) cabin, kabin
 $/[ck]abin/$

(b) cabin, kabin, cabins, kabins
/[ck]abins?/

(c) cabin, kabin, cababin, kababin, cabababin, kabababin, ...
/[ck](ab)+in/

(d) a, as, asd, asf, asdf, ad, adf, af
/as?d?f?/