

Regular Expressions

Do NOT write on this test. Record all answers on the bubble sheet. **Closed book. No notes.** Work strictly from memory. **No calculators. No time limit. Scratch paper okay.**

Matching: Which Perl regular expression commands have what meaning? (If no match mark J.)

(A) + (B) > (C) \A (D) \D (E) \a (F) \d (G) ^ (H) | (I) }

- 1/1p. or (alternation)
- 2/1p. end of multiplier
- 3/1p. alarm (alert)
- 4/1p. non-digit
- 5/1p. repeat one or more times
- 6/1p. start of string

Matching: Which Perl regular expression commands have what meaning? (If no match mark J.)

(A) ((B) < (C) [(D) \b (E) \e (F) \s (G) esc (H) sog (I) {

- 7/1p. word boundary
- 8/1p. the escape character
- 9/1p. start of group
- 10/1p. non whitespace
- 11/1p. start of multiplier
- 12/1p. start of character class

True or False: does the string match the regular expression?

- 13/1p. Does the string "a" match the regular expression "a+|ps"?
- 14/1p. Does the string "kc" match the regular expression "kc"?
- 15/1p. Does the string "aa" match the regular expression "an?a"?
- 16/1p. Does the string "cc" match the regular expression "c?|wr"?
- 17/1p. Does the string "cdss" match the regular expression "c+|ds*"?
- 18/1p. Does the string "nbnbw" match the regular expression "(nb)?w"?
- 19/1p. Does the string "rxxupp" match the regular expression "(rx*up)+"?
- 20/1p. Does the string "gr" match the regular expression "(dg)+ch|gr"?
- 21/1p. Does the string "hrhrssw" match the regular expression "hr*|s+sw"?
- 22/1p. Does the string "bp" match the regular expression "(bp)*|zb|db"?
- 23/1p. Does the string "hrxcchrxcc" match the regular expression "(hr+|(xc)?)+"?
- 24/1p. Does the string "frffrf" match the regular expression "((fa)+rf)?"?
- 25/1p. Does the string "cnuuu" match the regular expression "(ur)?cn(u+)?"?
- 26/1p. Does the string "bbg" match the regular expression "qf+|b(bc)*bg"?
- 27/1p. Does the string "gg" match the regular expression "(g|ua)+"?
- 28/1p. Does the string "wdddt" match the regular expression "w*|(d+)|t"?
- 29/1p. Does the string "rzt" match the regular expression "(rz+|b|p|p)*"?
- 30/1p. Does the string "argqx" match the regular expression "(ar)?gb?qx*"?

Total points 30.

Answer Key (points per line)

1 (1).	H
2 (1).	I
3 (1).	E
4 (1).	D
5 (1).	A
6 (1).	G
7 (1).	D
8 (1).	E
9 (1).	A
10 (1).	J
11 (1).	I
12 (1).	C
13 (1).	true
14 (1).	true
15 (1).	true
16 (1).	false
17 (1).	false
18 (1).	false
19 (1).	false
20 (1).	true
21 (1).	false
22 (1).	true
23 (1).	false
24 (1).	false
25 (1).	true
26 (1).	true
27 (1).	true
28 (1).	false
29 (1).	false
30 (1).	true

Total points 30.