

2025 Fall

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Regex Results for Christine En-Tse Cheng

Submitted Dec 17 at 4:53p.m.

Unanswered

Question 1

0 / 1 pts

Which regex matches a Toronto postal code like "M4C 1A2"?

☐ M[A-Z][0-9] [0-9][A-Z][0-9]

☒ M[0-9][A-Z] [0-9][A-Z][0-9]

☐ [A-Z][0-9][A-Z] [A-Z][0-9][A-Z]

☐ M[0-9]{3}[A-Z]{3}

Unanswered

Question 2

0 / 1 pts

Which regex matches a valid email address?

☐ \d+@\d+.\d+

☐ \s+@\s+.\s+

☒ \w+@\w+.\w+

☐ \S+@\S+.\S+

Unanswered

Question 3

0 / 1 pts

Which regex matches Java instance variable names that follow standard naming conventions?

☐ ^[A-Z][a-zA-Z0-9]*\$

☒ ^[a-z][a-zA-Z0-9]*\$

☐ ^[a-zA-Z][0-9]*\$

☐ ^[a-z]\w*\$

Unanswered

Question 4

0 / 1 pts

Which regex would only match strings that contain a sequence of exactly three letters followed by exactly three digits?

☐ [A-Za-z]+\d{3}

☒ [A-Za-z]{3}\d{3}

☐ \d{3}[A-Za-z]{3}

☐ \d{3}+[A-Za-z]{3}

Unanswered

Question 5

0 / 1 pts

What does the regex `\d{2,4}` match?

- ☒ Between two and four digits, inclusive
- ☐ Exactly two digits
- ☐ Exactly four digits
- ☐ Any single digit, followed by either a 2 or a 4

Unanswered

Question 6

0 / 1 pts

What does the `$` symbol mean in regex?

- ☐ It is an anchor indicating the start of the string
- ☐ `$` has no special meaning, it just matches the string "\$"
- ☐ It matches any character, except the newline character
- ☒ It is an anchor indicating the end of the string

Unanswered

Question 7

0 / 1 pts

What is the purpose of parentheses `()` in regex?

- ☐ To create character classes
- ☐ To indicate optional elements
- ☒ To group patterns
- ☐ To denote the start or end of a line

Unanswered

Question 8

0 / 1 pts

Consider the regex `(([A-Z]([a-z]))([0-9]{2})(\2\3))` applied to the string "Ab12b12". Match each group to the substring it corresponds to:

☒ group 1

Ab

☒ group 2

b

☒ group 3

12

☒ group 4

b12

Other Incorrect Match Options:

- Ab12b12
- 1
- Ab12
- A

Unanswered

Question 9

0 / 1 pts

In Java, what string literal would you write to create a regex that matches a literal backslash (`\`)? Hint: In Java, writing `"\\"` produces a string containing a single backslash, because you must escape the backslash.

☒ `"\\\\"`

☐ `"\\`

☐ `"\"`

☐ `"//"`

Please refer to the course notes about writing regex in Java!