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Quiz: Regular Expressions

Quiz, 10 questions

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1.

Which of the following best describes "Regular Expressions"?



A way to solve Algebra formulas for the unknown value



A way to calculate mathematical values paying attention to operator precedence



The way Python handles and recovers from errors that would otherwise cause a traceback



A small programming language unto itself

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2.

Which of the following is the way we match the "start of a line" in a regular expression?



^



str.startswith()



\linestart



String.startsWith()



variable[0:1]

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3.

What would the following mean in a regular expression? [a-z0-9]



Match an entire line as long as it is lowercase letters or digits



Match anything but a lowercase letter or digit



Match a lowercase letter or a digit



Match any number of lowercase letters followed by any number of digits



Match any text that is surrounded by square braces

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4.

What is the type of the return value of the re.findall() method?



A single character



A boolean



An integer



A string



A list of strings

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5.

What is the "wild card" character in a regular expression (i.e., the character that matches any character)?



+



?



\*



^



$



.

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6.

What is the difference between the "+" and "\*" character in regular expressions?



The "+" matches at least one character and the "\*" matches zero or more characters



The "+" matches upper case characters and the "\*" matches lowercase characters



The "+" matches the beginning of a line and the "\*" matches the end of a line



The "+" matches the actual plus character and the "\*" matches any character



The "+" indicates "start of extraction" and the "\*" indicates the "end of extraction"

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7.

What does the "[0-9]+" match in a regular expression?



Zero or more digits



Any number of digits at the beginning of a line



Several digits followed by a plus sign



One or more digits



Any mathematical expression

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point

8.

What does the following Python sequence print out?



1

2

3

x = 'From: Using the : character'

y = re.findall('^F.+:', x)

print y

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX



:



From:



['From: Using the :']



^F.+:



['From:']

1  
point

9.

What character do you add to the "+" or "\*" to indicate that the match is to be done in a non-greedy manner?



\*\*



^



?



\g



$



++

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10.

Given the following line of text:



1

From stephen.marquard@uct.ac.za Sat Jan 5 09:14:16 2008

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

What would the regular expression '\S+?@\S+' match?



stephen.marquard@uct.ac.za



\@\



d@u



From



marquard@uct



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