**Regex Questions**

Congratulations! You have reached the end of the practice session. Here are the answers for the test questions:

**Answer for Question 1**

What does pattern \w mean?

Top of Form

 A. Any lowercase letter  
 B. Any lowercase or uppercase letter  
 C. Any lowercase or uppercase letter, or underscore  
 D. A word consisting of uppercase or lowercase letters

Bottom of Form

Your answer before practice: C, which is correct.  
Your answer after practice: C, which is correct.

**Answer for Question 2**

Which one of the following patterns should I use to treat "abc" as a group, but not make re.findall only return the content in the group?

Top of Form

 A. [abc]  
 B. [^abc]  
 C. (abc)  
 D. (?:abc)

Bottom of Form

Your answer before practice: C, which is incorrect.  
Your answer after practice: D, which is correct.

**Answer for Question 3**

Which of the following options will the regular expression ^Z-.\*: [a-z.]+ match?

Top of Form

 A. Z-ADMIN-Percentage: 84.75  
 B. Z-ADMIN-Username: k.szdw  
 C. Z Wolverine-Username: o.zc  
 D. Z-Wolverine-Username: x

Bottom of Form

Your answer before practice: B D, which is correct.  
Your answer after practice: B D, which is correct.

**Answer for Question 4**

Which of the following options will the following regular expression match?

(\(\d{3}\)|\d{3}-)\d{3}-\d{4}

Top of Form

 A. 123 456-7890  
 B. 123-456-7890  
 C. (123)456-7890  
 D. (123)-456-7890

Bottom of Form

Your answer before practice: B C, which is correct.  
Your answer after practice: B D, which is incorrect.

**Answer for Question 5**

What is the correct regular expression to match a URL with letters, numbers, underscores and dots? A valid URL defined in this problem must meet the following requirements:

1. The URL consists of two or more strings made of letters, numbers, and underscores.
2. A dot is used in between the strings.
3. No two dots are allowed to appear consecutively.

For example, your regex should match URLs like: www.aBC.com, abc.com, ab\_c.de8f.com  
But your regex should not match: abc, abc..com

Top of Form

One possible solution:

Bottom of Form

Your answer before practice: "\w+(?:\.\w+)+"  
Your answer after practice: \w+(?:\.\w+)+

**Answer for Question 6**

What is the correct regular expression to match an ISBN number from two publishers (World Scientific from Singapore, and Sigma Publications from Greece)? A valid ISBN code defined in this problem must meet the following requirements:

1. The ISBN number consists of 10 digits, with dashes(-) in between.
2. The ISBN number must match the patterns of one of the following publishers (x means a digit from 0 to 9): for World Scientific, the pattern should be xxxx-x-xxxx-x, and for Sigma Publications, the pattern should be xxx-xxx-xxx-x.

For example, your regex should match ISBNs like: 9971-5-0210-0, 960-425-059-0

Top of Form

One possible solution:

Bottom of Form

Your answer after practice: (\d{4}-\d-\d{4}-\d)|(\d{3}-\d{3}-\d{3}-\d)[,/. ]?

**Answer for Question 7**

What is the correct regular expression to match a DOI registered by Crossref? A valid DOI (e.g. doi:10.1038/nphys1170) defined in this problem must meet the following requirements:

1. The DOI starts with **doi:**
2. The link has two parts divided by a “/”. In the first part, there can only be numbers and dots, and in the second part, there can be any characters. There should be at least one character in each part.

For example, your regex should match DOIs like: doi:10.1038/nphys1170, doi:10.1002/0470841559.ch1

Top of Form

One possible solution:

Bottom of Form

Your answer after practice: doi:\d+(?:\.\d+)\*\/\w+(?:\.\w+)\*[, ]?