

Chapter 11

Question 1

Which of the following regular expressions would extract 'uct.ac.za' from this string using `re.findall()`?

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

- ☐ `..@\S+..`
 - ☐ `@\S+`
 - ☐ `F.+:`
 - ☒ `@(\S+)`
-

Question 2

What will the `'\$'` regular expression match?

- ☒ A dollar sign
 - ☐ An empty line
 - ☐ The beginning of a line
 - ☐ A new line at the end of a line
 - ☐ The end of a line
-

Question 3

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

- ☐ Match any number of lowercase letters followed by any number of digits
 - ☐ Match any text that is surrounded by square braces
 - ☐ Match anything but a lowercase letter or digit
 - ☒ Match a lowercase letter or a digit
 - ☐ Match an entire line as long as it is lowercase letters or digits
-

Question 4

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

- ☐ A string
- ☐ An integer
- ☒ A list of strings

- ☐ A single character
 - ☐ A boolean
-

Question 5

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

- ☐ ?
 - ☒ .
 - ☐ *
 - ☐ +
 - ☐ \$
 - ☐ ^
-

Question 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"
-

Question 7

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

- ☐ Any number of digits at the beginning of a line
 - ☒ One or more digits
 - ☐ Any mathematical expression
 - ☐ Several digits followed by a plus sign
 - ☐ Zero or more digits
-

Question 8

What does the following Python sequence print out?

```
x = 'From: Using the : character'
y = re.findall('^F.+:', x)
print(y)
```

- ☐ From:

- ☐ ^F. :
 - ☐ ['From:']
 - ☒ ['From: Using the :']
 - ☐ :
-

Question 9

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

- ☐ \$
 - ☐ ^
 - ☐ ++
 - ☐ **
 - ☒ ?
 - ☐ \g
-

Question 10

Given the following line of text:

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

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

- ☐ From
 - ☐ \@\<
 - ☐ d@uct.ac.za
 - ☒ stephen.marquard@uct.ac.za
 - ☐ marquard@uct
-