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CS 3040

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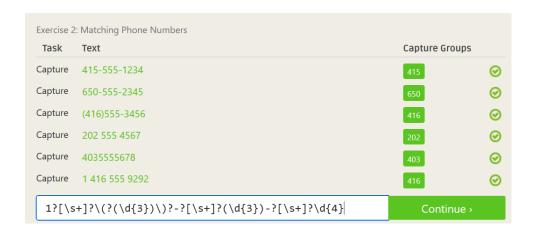
9.19.2022

Exercise 2 – Regex

Problem 1

Exercise 1: Matching Numbers

Task	Text	
Match	3.14529	⊘
Match	-255.34	⊘
Match	128	⊘
Match	1.9e10	⊘
Match	123,340.00	⊘
Skip	720p	

`-?\d+(,\d+)*(\.?\d+e?)\d*$`   Continue ›

Problem 2

Exercise 2: Matching Phone Numbers

Task	Text	Capture Groups	
Capture	415-555-1234	415	⊘
Capture	650-555-2345	650	⊘
Capture	(416)555-3456	416	⊘
Capture	202 555 4567	202	⊘
Capture	4035555678	403	⊘
Capture	1 416 555 9292	416	⊘

`1?[\s+]?\(?(?(\d{3})\)?-?[\s+]?(\d{3})-?[\s+]?\d{4}`   Continue ›

Problem 3

Exercise 3: Matching Emails

Task	Text	Capture Groups	
Capture	tom@hogwarts.com	tom	⊘
Capture	tom.riddle@hogwarts.com	tom.riddle	⊘
Capture	tom.riddle+regexone@hogwarts.com	tom.riddle	⊘
Capture	tom@hogwarts.eu.com	tom	⊘
Capture	potter@hogwarts.com	potter	⊘
Capture	harry@hogwarts.com	harry	⊘
Capture	hermione+regexone@hogwarts.com	hermione	⊘

`^([\w|\.?]*)` | Continue ›

Problem 4

Exercise 4: Capturing HTML Tags

Task	Text	Capture Groups	
Capture	<a>This is a link	a	⊘
Capture	Link	a	⊘
Capture	<div class='test_style'>Test</div>	div	⊘
Capture	Hello world	div	⊘

`<(\w+)` | Continue ›

Problem 5

Exercise 5: Capturing Filename Data

Task	Text	Capture Groups	
Skip	.bash_profile		
Skip	workspace.doc		
Capture	img0912.jpg	img0912 jpg	⊘
Capture	updated_img0912.png	updated_img0912 png	⊘
Skip	documentation.html		
Capture	favicon.gif	favicon gif	⊘
Skip	img0912.jpg.tmp		
Skip	access.lock		

`(\w+)\.(jpg|png|gif)$` | Continue ›

Problem 6

Exercise 6: Matching Lines

Task	Text	Capture Groups
Capture	The quick brown fox...	The quick brown fox... ✓
Capture	jumps over the lazy dog.	jumps over the lazy dog. ✓

```
^\s+(\w+\s*(.*)?)*
```

Continue ›

Problem 7

Exercise 7: Extracting Data From Log Entries

Task	Text	Capture Groups
Skip	W/dalvikvm(1553): threadid=1: uncaught exception	
Skip	E/(1553): FATAL EXCEPTION: main	
Skip	E/(1553): java.lang.StringIndexOutOfBoundsException	
Capture	E/(1553): at widget.List.makeView(ListView.java:1727)	makeView ✓ ListView.java 1727
Capture	E/(1553): at widget.List.fillDown(ListView.java:652)	fillDown ✓ ListView.java 652
Capture	E/(1553): at widget.List.fillFrom(ListView.java:709)	fillFrom ✓ ListView.java 709

```
(\w+)\((\w+\.\w+)*:(\d+)
```

Continue ›

Problem 8

Exercise 8: Extracting Data From URLs

Task	Text	Capture Groups
Capture	ftp://file_server.com:21/top_secret/life_changing_plans.pdf	ftp ✓ file_server.com 21
Capture	https://regexone.com/lesson/introduction#section	https ✓ regexone.com
Capture	file://localhost:4040/zip_file	file localhost ✓ 4040
Capture	https://s3cur3-server.com:9999/	https ✓ s3cur3-server.com 9999
Capture	market://search/angry%20birds	market search ✓

```
^(\w+)://((\w-?\.?)+)(:(\d+))?
```

Continue ›