



Dash - smallest_regex2

smallest_regex2

Summary: this document is the subject for the dash @ 42Tokyo.

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Chapter I

Foreword

An hour to learn a valuable skill.
Dive into the world of regex!

Chapter II

Objective

Write the smallest regular expression to validate a csv row.

Chapter III


Instructions

- Evaluation will be done on 42 Tokyo's Mac.
- This dash is a solo project.
- Turn in your file inside the turn-in repository.
- Your expression will be evaluated with the GNU `grep` regex engine.

```
$>echo 000.000.000.000 | grep -E "^(?:[0-9]{1,3}\.){3}[0-9]{1,3}$"
```

Chapter IV

Exercice 00 : smallest_regex2

	Exercise 00
smallest_regex2	
Turn-in directory : <i>ex00/</i>	
Files to turn in : smallest_regex2.txt	
Allowed functions : None	

- Write the smallest regular expression that matches a single valid csv row.
- The row will be structured with 3 columns as follows:
 - The first column will contain a full name. A full name consists of a first, middle (optional), and last name separated by spaces. The first letter of each name shall be capitalized.
 - The second column will contain one of 4 country names (United States, Canada, France, or Japan).
 - The third column will contain a phone number valid for the country in the preceding row.
 - US/Canada - XXX-XXX-XXXX, France - 0X-XX-XX-XX-XX, Japan - 0XX-XXXX-XXXX where X is a number between 0 and 9.
- The columns may be delimited by commas, colons, or semi-colons. The delimiter must be consistent for the entire row.
- The following examples are valid rows:
 - Nadeshiko Yamato,Japan,090-1234-5678
 - Jacques Cousteau;France;05-80-15-42-53
 - John Allen Smith:United States:414-343-1592
 - Amy Jane Adams,Canada,510-622-7378

- Example submission:

```
$>cat smallest_regex2.txt  
^(?:[0-9]{1,3}\.){3}[0-9]{1,3}$
```