Dash - smallest_regex

smallest_regex

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

Contents

Chapter I

Foreword

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

Chapter II

Objective

Write the smallest regualar expression to validate a serial number.

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.

Chapter IV

Exercice   00 : smallest_regex

	Exercise 00	
	smallest_regex	
Turn-in directory : *ex00/*		
Files to turn in : `smallest_regex.txt`		
Allowed functions : `None`		

- Write the smallest regular expression that matches a valid serial number.

- A serial number has the following format: (D|H)x.x.x.x

  - The first letter indicates whether the serial number will be decimal(D) or hexadecimal(H).

  - The following numbers x must each be a value between 0 and 333(D), or 0 and 14D(H).

- Each number x is separated by periods. There must be 4 numbers x and 3 periods.

- In the case of hexadecimal, the letters will always be capitalized (A-F).

- The following examples are valid serial numbers:

  - D000.000.000.000

  - D123.0.321.333

  - D001.010.100.101

  - H000.000.000.000

  - H14D.FF.C.12

  - H01.14C.120.0F0

- Example submission:

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