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zaydion Updates week_5 challenge quesiton 3 `7a608dc` 2 days ago

3 contributors

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Week 5 (One on One):

Note: All of this code should exist in the same file. Let's call it, `1_on_1.rb`

Problem 1

Create an array with 4 strings: north, east, south, west. Store that array in a variable called `directions`. When I run `puts directions[3]` I should get back the string `"west"`.

Problem 2

Create a hash with 4 keys: n, e, s, w. Store that hash in a variable called `compass`. When I run `puts compass[:n]` I should get back the string `"north"`.

Problem 3

a) Create a class called `Direction` that when initialized, takes an `abbreviation` and `direction_name` and makes them publicly available. So that I can use it like this:

```
d = Direction.new("n", "North")
d.direction_name # returns "North"
```

b) Now create a class called `Compass` that when instantiated creates an instance variable called `directions` that is an array of `Direction` objects for north, east, south & west. Store an instance of this compass in a variable called `my_compass`. The instance variable `directions` should be write protected, as in, I should not be able to publicly change the value of `directions`.

Problem 4

Let's get a sinatra server running. Can you please set up a sinatra server in this file that works for the root path and shows the word "test" when I go there?

Hint: Use `require`, it's your friend.

Problem 5

Now let's combine the work we did with our classes, `Direction` and `Compass` - with some knowledge about URLs & some Sinatra documentation here. We want to be able to visit http://localhost:4567/?direction=n or http://localhost:4567/?direction=w and see the text "The direction corresponding to n is North" or "The direction corresponding to w is West", respectively.

Bonus: Account for directions that are not actually appropriate parameters like `7` or `null`.