

Домашнее задание №4

Training on Vigenère Cipher Helper

Training on The Greatest Warrior

Конвертация JPG в PDF. Исобр...

https://www.codewars.com/kata/52d1bd3694d26f8d6e0000d3/train/javascript

Heads Up! Unlock the full potential of your account - confirm your email to enable the full dojo experience!

4 kyu

Vigenère Cipher Helper

787 130 90% of 978 3,089 of 7,285 jacobb 7 Issues Reported

Instructions Output Past Solutions

Time: 1034ms Passed: 4 Failed: 0

Test Results:

- Testing with lowercase latin alphabet
 - Password of 'password'
 - Password of 'pizza'
 - Password of 'attackatdawn', random tokens
- Completed in 2ms
- Testing with katakana alphabet
 - Password of 'カタカナ'

You have passed all of the tests! :)

JavaScript Node v18.x VIM EMACS 152

Solution

```
18     return encodedWord.join('');
19   };
20   this.decode = function (str) {
21     let decodedWord = [];
22     for(let k = 0; k < str.length; k++) {
23       if (abc.includes(str[k])) {
24         let number = arrOfKeys[k % key.length].indexOf(str[k]);
25         decodedWord.push(abc[number]);
26       } else {
27         decodedWord.push(str[k]);
28       }
29     }
30     return decodedWord.join('');
31   };
32 }
```

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Tests", () => {
4   it("test", () => {
5     var abc, key;
6     abc = "abcdefghijklmnopqrstuvwxyz";
7     key = "password"
8     c = new VigenèreCipher(key, abc);
9
10    Test.assertEquals(c.encode('codewars'), 'rowwsaiv');
```

SKIP VIEW SOLUTIONS DISCUSS (156) RESET TEST SUBMIT

Пошук 10°C Mostly cloudy 23:00 05.11.2023

Домашнее задание №4

Training on Vector class | Codewars

Training on Vigenere Cipher Hei

Training on The Greatest Warrior

Конвертация JPG в PDF. Изобра

https://www.codewars.com/kata/526dad718c0eb5c4640000a4/train/javascript

5 kyu Vector class ✓

☆ 563 ● 122 ↗ 88% of 822 ● 3,015 of 7,301 👤 eugene-bulkin

▲ 8 Issues Reported

Instructions Output Past Solutions

Time: 762ms Passed: 6 Failed: 0

Test Results:

Testing arithmetic

➤ Addition

➤ Subtraction

➤ Dot Product

➤ Norms

Completed in 1ms

Auxiliary function

➤ Equality

➤ Strings

Completed in 1ms

You have passed all of the tests! :)

JavaScript Node v18.x

VIM EMACS

152

Solution

40
41 + this.norm = function() {
42 return Math.sqrt(this.components.reduce((sum, component) => sum + Math.pow(component, 2),
43 });
44
45 + this.equals = function(vector2) {
46 if (this.components.length !== vector2.components.length) {
47 return false;
48 }
49 return this.components.every((component, index) => component === vector2.components[index]);
50
51 };
52 + this.toString = function() {
53 return '(' + this.components.join(',') + ')';
54 };
Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

3 + describe("Tests", () => {
4 + it("test", () => {
5 var a = new Vector([1,2]);
6 var b = new Vector([3,4]);
7
8 Test.expect(a.add(b).equals(new Vector([4,6])));
9 });
10 });
11

SKIP VIEW SOLUTIONS DISCUSS (98) RESET TEST SUBMIT

Пошук 10°C Mostly cloudy 23:01 05.11.2023

The image is a screenshot of a web browser displaying a Codewars kata titled "PaginationHelper". The browser's address bar shows the URL "https://www.codewars.com/kata/515bb423de843ea99400000a/train/javascript". The page header includes the Codewars logo, the kata title "PaginationHelper" with a "5 kyu" rank, and a progress bar showing "1657" stars, "314" comments, "81% of 3,153" solved, and "12,448 of 34,312" attempts. The user "jhoffner" is listed as the author, with "8 Issues Reported". The page has tabs for "Instructions", "Output", and "Past Solutions". The "Output" tab is active, showing "Time: 832ms", "Passed: 102", and "Failed: 0". Below this, the "Test Results" section shows "Tests suite" with three tests: "sample test : 24 items with 10 per page", "empty collection", and "random tests", all of which passed. A message at the bottom of the test results says "You have passed all of the tests! :)". The "Solution" tab is also active, showing the JavaScript code for the "PaginationHelper" function. The code includes a "pageItemCount" function that returns the number of items on a given page, and a "pageIndex" function that returns the page index for a given item. The "Sample Tests" section shows the test suite code using Jest. The browser's taskbar at the bottom shows various icons, including the Windows logo, a search bar, and several application icons. The system clock in the bottom right corner shows "10°C Mostly cloudy" and the date "2301 05.11.2023".

Розклад

Класна робота для курсу "Шкільний

Training on The Greatest Warrior

Вхідні - saveniuk.myroslava@i.ua

https://www.codewars.com/kata/5941c545f5c394fe9000000c/train/javascript

Heads Up! Unlock the full potential of your account - confirm your email to enable the full dojo experience!

4 kyu

The Greatest Warrior

☆ 651 🏆 133 ➡ 93% of 570 ⌚ 850 of 3,040 👤 BurstNova 🚩 6 Issues Reported

InstructionsOutput

Time: 1021ms Passed: 2 Failed: 0

Test Results:

Kata Tests

Standard Tests

Random Tests

Completed in 8ms

You have passed all of the tests! :)

JavaScript

Node v18.x

VIMEMACS

Solution

```
1 class Warrior {
2   #level = 1;
3   #achievements = [];
4   #rank = "Pushover";
5   #experience = 100;
6
7   constructor() {
8     this.experience = function () {
9       return this.#experience;
10    };
11    this.level = function () {
12      return this.#level;
13    };
14    this.achievements = function () {
15      return this.#achievements;
16    };
17  }
18}
```

Sample Tests

```
70 test.assertDeepEquals(Goku.training(["Win the Intergalactic Tournament", 679, 91]), "Win the Inter
71 test.assertDeepEquals(Goku.experience(), 9999, "Only one stands in your way now...")
72 test.assertDeepEquals(Goku.training(["Fight Superman to a draw", 11000, 99]), "Fight Superman to a
73 test.assertDeepEquals(Goku.level(), 100, "...Wait, can it be?")
74 test.assertDeepEquals(Goku.experience(), 10000, "...Is it really you?")
75 test.assertDeepEquals(Goku.rank(), "Greatest", "Yes, you truly are the greatest!!! ... as soon as
76 test.assertDeepEquals(Goku.training(["Defeat Superman", 10000, 100]), "Defeat Superman", "*creates
77 test.assertDeepEquals(Goku.achievements(), ["Do ten push-ups", "Survive one night at the Forest of
78 ;
79
```

SKIP

DISCUSS (74)

RESET

TEST

SUBMIT

Пошук

11°C Windy

ENG

12:52

06.11.2023