

Warming Up (Fundamentals)

Kata Training

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

7 kyu Vowel Count ✓

☆ 2880 ⚡ 708 ↗ 89% of 30,999 @ 143,215 of 390,767 🏆 jayeshcp 🚧 2 Issues Reported

Instructions Output Past Solutions

Time: 784ms Passed: 6 Failed: 0

Test Results:

- Vowels Count Tests
 - should return 5 for 'abracadabra'
 - should return 4 for 'pear tree'
 - should return 13 for 'o a kak ushakov lil vo kashu kakao'
 - should return 0 for 'my pyx'
 - should return 168 for a long input
 - should return correct results for random tests

Completed in 6ms

You have passed all of the tests! :)

JavaScript Node v18.x

Solution

```
1 function getCount(str) {  
2     let vowels=['a','e','i','o','u']  
3     count=0  
4     for(let i=0;i<str.length-1;i++){  
5         for(let j=0;j<vowels.length;j++){  
6             if (str[i]==vowels[j]){  
7                 count++  
8             }  
9         }  
10    }  
11    return count  
12}
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const {assert} = require("chai");  
2  
3 describe("Vowels Count Tests",function(){  
4     it("should return 5 for 'abracadabra'",function(){  
5         assert.strictEqual(getCount("abracadabra"), 5);  
6     });  
7});
```

VIM EMACS

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8 kyu Even or Odd ✓

☆ 2584 ⚡ 492 ↗ 91% of 33,974 @ 193,253 of 486,773 🏆 suuizi

Instructions Output Past Solutions

Time: 774ms Passed: 45 Failed: 0

Test Results:

- Fixed tests
 - 2 is even
 - 7 is odd
 - 42 is even
 - 7 is odd
 - 0 is even
- Random tests
 - Should return "Odd" for -899
 - Should return "Even" for 278
 - Should return "Even" for 732
 - Should return "Even" for 202
 - Should return "Odd" for 235
 - Should return "Even" for -182
 - Should return "Odd" for -691
 - Should return "Odd" for 851
 - Should return "Odd" for 517
 - Should return "Even" for 122

Completed in 1ms

Good Job! You may take your time to refactor/comment your solution. Submit when ready.

JavaScript Node v18.x

Solution

```
1 function evenOrOdd(number) {  
2     if(number%2==0){  
3         return "Even";  
4     } else{  
5         return "Odd";  
6     }  
7 }
```

Sample Tests

```
1 const chai = require('chai');  
2 const assert = chai.assert;  
3  
4 describe("Sample tests",() => {  
5     it("2 is even", () => {  
6         assert.strictEqual(evenOrOdd(2), "Even");  
7     });  
8     it("7 is odd", () => {  
9         assert.strictEqual(evenOrOdd(7), "Odd");  
10    });  
11    it("-42 is even", () => {  
12        assert.strictEqual(evenOrOdd(-42), "Even");  
13    });  
14    it("-7 is odd", () => {  
15        assert.strictEqual(evenOrOdd(-7), "Odd");  
16    });  
17});
```

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Opposite number

8 kyu

☆ 1177 ⚡ 325 ✨ 84% of 21,601 @ 129,771 of 322,412 🏆 sergioet 📈 11 Issues Reported

Instructions Output Past Solutions

Time: 732ms Passed: 47 Failed: 0

Test Results:

- Fixed tests
 - > Is it a function?
 - > should return -1
 - > should return 0
 - > should return -4.25
 - > should return -3.3333333
 - > should return 12525220.3325
 - > should return 5
- Completed in 2ms

Random tests

- > should return -47.07436620868006
- > should return -95.52561682611429
- > should return 65.2191792692266
- > should return -24.90411195631016
- > should return -6.7222154328421055
- > should return 32.80918622750211
- > should return -71.79596950346914
- > should return -34.78077885542265

JavaScript Node v18.x

Solution

```
1 // function opposite(number) {  
2   //your code here  
3   return number * -1;  
4 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require('chai');  
2  
3 describe('Fixed tests', () => {  
4   it('Is it a function?', () => {  
5     assert.strictEqual(typeof opposite, 'function', 'opposite should be a function');  
6   });  
7   it('should return -1', () => {  
8     assert.strictEqual(opposite(1), -1);  
9   });  
10  it('should return 0', () => {  
11    assert.strictEqual(opposite(0), 0);  
12  });  
13  it('should return -4.25', () => {  
14    assert.strictEqual(opposite(4.25), -4.25);  
15  });  
16});
```

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7 kyu You're a square!

☆ 2186 ⚡ 419 ✨ 88% of 21,574 @ 98,208 of 260,945 bkaes

Instructions Output

Time: 814ms Passed: 3 Failed: 0

Test Results:

- isSquare
 - > should work for some examples
 - > should work for random square numbers
 - > should work for random numbers

Completed in 4ms

You have passed all of the tests! :)

Solution

```
1 // Function to check if a number is a perfect square
2 function isSquare(n) {
3     // Check for negative numbers (not perfect squares)
4     if (n < 0) {
5         return false;
6     }
7     // Efficiently check for perfect squares using square root
8     const root = Math.sqrt(n);
9     return Number.isInteger(root); // Check if the square root is an integer
10}
11
12
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("isSquare", function(){
4     it("should work for some examples", function(){
5         Test.assertEquals(isSquare(-1), false, "-1: Negative numbers cannot be square numbers");
6         Test.assertEquals(isSquare(0), true, "0 is a square number (0 * 0)");
7         Test.assertEquals(isSquare(3), false, "3 is not a square number");
8         Test.assertEquals(isSquare(4), true, "4 is a square number (2 * 2)");
9         Test.assertEquals(isSquare(25), true, "25 is a square number (5 * 5)");
10        Test.assertEquals(isSquare(26), false, "26 is not a square number");
11    });
12});
```

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7 kyu Disemvowel Trolls

☆ 3094 ⚡ 590 ↗ 89% of 26,881 @ 131,214 of 333,679 🌐 osuishi 🔞 4 Issues Reported

Instructions Output

Time: 799ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
 - Completed in 1ms
- Random tests
 - Testing "SujflKaZ Q AEQgaOuCScjejX biknoMIKs U jbBOuws vckMAZZbDJelPYEOy DheBiwE HSp"
 - Testing "nODwihamX fJdauA pLJ aApq bgieaabIdTzrY L LaBExJsgJQDYnjXkpuigAWoenezOLUPEal"
 - Testing "D EdUFxegM ZTAQvnBgXnNIF SIWFVOONTJJRoh KizE eaEltpEGE iACOUKSpEbXo OjoDN MrgTeBBfeuSdwS"
 - Testing "K w kekMjO OGEniQouVKK eywpclAfCQyJWpT cbIyIEqSU ceej.mk lyInVuPD tUdumVKnO BahaowsyOdaA"
 - Testing "yrasluOwry ICTwegUlifqsCoCu CoyaQMzU dSvoaQd zUEUUShu vuF5mZBU EuS"
 - Testing "PghhPOYuntInaSl loHgYR0lactUGzsqkvLY JUDodzJcIfU pQAEVGoe"
 - Testing "DjaB0vOHIOWiuclle iqS"
 - Testing "Tu hzTX XounAAjeJyRyNTP msyN ucwadpNIIT oxP2VErCsD"
 - Testing "ZoZm QAnubXvOOoeDGxDmdc aRjAsAo zkjkjX.lqnXcAtuZnDIM eFKWAAdTVnIK SouSYB0RK vvxfrlxnvRteIMJ"
 - Testing "SIZZkJvrOPuInKauRc RlBPAn NpKasiJrZuCXDI bejqbJRRfauaToJWO EgwAxG"
 - Testing "oeiniDcrashHzOEZ"

Solution

```
1 function disemvowel(str) {
2   const vowels = new Set("aeiouAEIOU");
3   let result = "";
4
5   for (let char of str) {
6     if (!vowels.has(char)) {
7       result += char;
8     }
9   }
10
11  return result;
12}
```

Sample Tests

```
1 const { assert } = require("chai")
2
3 describe("Basic tests", () => {
4   it("Testing for fixed tests", () => {
5     assert.strictEqual(disemvowel("This website is for losers LOL!"), "Ths wbst s fr lsrs LL!")
6     assert.strictEqual(disemvowel("No offense but,\\Your writing is among the worst I've ever read"), "N ffns bt,
7     assert.strictEqual(disemvowel("What are you, a communist?"), "Wht 1 y, cmmunist?")
8   })
9 })
```

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7 kyu Highest and Lowest

☆ 3212 ⚡ 738 ↗ 90% of 22,685 @ 114,251 of 279,471 🌐 Deantwo

Instructions Output Past Solutions

Time: 758ms Passed: 10 Failed: 0

Test Results:

- Fixed tests
 - Testing basic input
 - Testing common string sort mistake
 - Testing positive and negative
 - Testing positive and positive
 - Testing negative and negative
 - Testing positive, negative and zero
 - Testing positive, positive and zero
 - Testing negative, negative and zero
 - Testing single
 - Completed in 1ms
- Random tests
 - Testing for 100 random tests
 - Completed in 3ms

You have passed all of the testst! :)

Solution

```
1 function highAndLow(numbers){
2   // ...
3   numbers = numbers.split(' ').map(Number);
4   return Math.max(...numbers) + ' ' + Math.min(...numbers);
5
6 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Example tests", () => {
6   it("Test 1", () => {
7     assert.strictEqual(highAndLow("8 3 -5 42 -1 0 0 -9 4 7 4 -4"), "42 -9");
8   });
9   it("Test 2", () => {
10     assert.strictEqual(highAndLow("1 2 3"), "3 1");
11   });
12});
```

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7 kyu Exes and Ohs

☆ 1847 ⚡ 402 ↗ 89% of 19,624 ⚡ 83,991 of 237,629 🔒 joh_pot 🔞 2 Issues Reported

Instructions Output

Time: 765ms Passed: 1 Failed: 0

Test Results:

Tests

> test

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 // function XO(str) {  
2     const lowerStr = str.toLowerCase();  
3     let countX = 0;  
4     let countO = 0;  
5  
6     for (let char of lowerStr) {  
7         if (char === 'x') { // Use strict comparison (===)  
8             countX++;  
9         } else if (char === 'o') { // Use strict comparison (===)  
10            countO++;  
11        }  
12    }  
13  
14    return countX === countO;  
15}  
16
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4     it("test", () => {  
5         Test.assertEquals(XO('xo'), true);  
6         Test.assertEquals(XO('xXo'), true);  
7         Test.assertEquals(XO('xxxm'), false);  
8         Test.assertEquals(XO('oo'), false);  
9         Test.assertEquals(XO('oomm'), false);  
10    });
11});  
12
```

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7 kyu Square Every Digit ✓

☆ 2711 ⚡ 519 ↗ 90% of 25,370 ⚡ 119,660 of 293,921 🔒 MysteriousMagenta 🔞 3 Issues Reported

Instructions Output Past Solutions

Time: 810ms Passed: 103 Failed: 0

Test Results:

Basic tests

> squareDigits(3212) should equal 9414

> squareDigits(2112) should equal 4114

> squareDigits(0) should equal 0

Completed in 1ms

Random tests

> squareDigits(2016493) should equal 4013616819

> squareDigits(3056281) should equal 9025364641

> squareDigits(2103139) should equal 41091981

> squareDigits(9670276) should equal 813649044936

> squareDigits(9238838) should equal 81496464964

> squareDigits(5968887) should equal 25813664642549

> squareDigits(3068925) should equal 90366481425

> squareDigits(9545814) should equal 8125162564116

> squareDigits(9005618) should equal 81002536164

> squareDigits(7939656) should equal 4981981362536

> squareDigits(9160800) should equal 8113606400

> squareDigits(5722925) should equal 25494481425

Solution

```
1 // function squareDigits(num){  
2     let x=num.toString();  
3     let r=[];  
4     for(let i=0;i<x.length;i++){  
5         r[i]=x[i]*x[i];  
6     }  
7     return Number(r.join(''));  
8}
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")  
2  
3 describe("Basic tests", () => {  
4     it("squareDigits(3212) should equal 9414", () => {  
5         assert.strictEqual(squareDigits(3212), 9414);  
6     });
7     it("squareDigits(2112) should equal 4114", () => {  
9         assert.strictEqual(squareDigits(2112), 4114);  
10    });
11    it("squareDigits(0) should equal 0", () => {
12        assert.strictEqual(squareDigits(0), 0);
13    });
14});  
15
```

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7 kyu Shortest Word

☆ 1849 ⚡ 498 ↗ 90% of 18,146 ⚡ 88,234 of 227,883 🔒 PGI 🔞 1 Issue Reported

Instructions Output

Time: 806ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
Completed in 2ms
- Random tests
 - Testing for 40 random tests
Completed in 2ms

You have passed all of the tests! :)

Solution

```
3 v function findShort(s){  
2  
3   let words = s.split(" ");  
4 v   for (let i of words){  
5     var wordlength=i.length  
6  
7   }  
8 v   for (const word of words) {  
9     wordlength = Math.min(wordlength, word.length);  
10  }  
11  return wordlength;  
12  
13  
14  
15 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 v describe("Basic tests", () => {  
6 v   it("Testing for fixed tests", () => {  
7     assert.strictEqual(findShort("bitcoin take over the world maybe who knows perhaps"), 3);  
8     assert.strictEqual(findShort("turns out random test cases are easier than writing out basic ones"), 3);  
9     assert.strictEqual(findShort("Let's travel abroad shall we"), 2);  
10  })  
11 })  
12
```

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7 kyu Complementary DNA

☆ 2382 ⚡ 597 ↗ 89% of 17,849 ⚡ 70,411 of 211,229 🔒 JustyFY 🔞 2 Issues Reported

Instructions Output

Time: 829ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
Completed in 1ms
- Random tests
 - Testing for 40 random tests
Completed in 2ms

You have passed all of the tests! :)

Solution

```
3 v function dnaStrand(dna){  
2   var newdna ='';  
3 v   for ( var i =0;i< dna.length;i++){  
4 v     switch ( dna[i] ){  
5       case 'A': newdna+= "T";  
6         break;  
7       case 'T': newdna+= "A";  
8         break;  
9       case 'C': newdna+= "G";  
10        break;  
11       case 'G': newdna+= "C";  
12         break;  
13     }  
14   }  
15   return newdna  
16 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 if(typeof(dnaStrand) != "function") dnaStrand = DNAStrand  
6  
7 v describe("Basic tests", () => {  
8 v   it("Testing for fixed tests", () => {  
9     assert.strictEqual(dnaStrand("AAAA"), "TTTT", "String AAAA is")  
10    assert.strictEqual(dnaStrand("ATTGC"), "TAAGC", "String ATTGC is")  
11    assert.strictEqual(dnaStrand("GTAT"), "CATA", "String GTAT is")  
12  })  
13 })  
14
```

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7 kyu Descending Order

☆ 3184 ⚡ 581 ✅ 90% of 22,740 @ 10,2597 of 261,394 🎉 TastyOs 🚧 1 Issue Reported

Instructions Output

Time: 837ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
Completed in 1ms
 - > Random tests
 - > descendingOrder(43537689) should equal 98765433
 - > descendingOrder(41603270) should equal 76432100
 - > descendingOrder(524) should equal 542
 - > descendingOrder(51647) should equal 76541
 - > descendingOrder(6) should equal 6
 - > descendingOrder(65) should equal 65
 - > descendingOrder(88) should equal 88
 - > descendingOrder(426449950) should equal 996544420
 - > descendingOrder(2775190) should equal 9775210
 - > descendingOrder(51205247) should equal 75542210
 - > descendingOrder(8186244) should equal 8864421
 - > descendingOrder(9275368454) should equal 9876554432
 - > descendingOrder(2526) should equal 6522
 - > descendingOrder(23673) should equal 76332

Solution

```
1 function descendingOrder(num) {
2   const digits = String(num).split("");
3   digits.sort((a, b) => b - a);
4   return parseInt(digits.join(""));
5 }
```

Impressive! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")
2
3 describe("Basic tests", () => {
4   it("Testing for fixed tests", () => {
5     assert.strictEqual(descendingOrder(9), 9)
6     assert.strictEqual(descendingOrder(1), 1)
7     assert.strictEqual(descendingOrder(111), 111)
8     assert.strictEqual(descendingOrder(15), 51)
9     assert.strictEqual(descendingOrder(1021), 2110)
10    assert.strictEqual(descendingOrder(123456789), 987654321)
11  })
12})
```

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8 kyu Sum of positive

☆ 1975 ⚡ 507 ✅ 93% of 20,203 @ 119,895 of 289,049 🎉 JbPasquier

Instructions Output

Time: 787ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
Completed in 1ms
 - > Random tests
 - > positiveSum([-52,36,50,92,-77,-87,-52,51,74,31,8,-83,74,-28,-2,-83,2,41,68,55,65,60,74,-21,-4 should equal 1879
 - > positiveSum([-31,59,43,-65,94,-15,-2,-31,18,68,-46,-23,-75,-27,38,41,56,-21,25,-57,37,-25,-21,-9 should equal 2098
 - > positiveSum([-88,20,10,75,22,20,68,-45,-29,-19,50,-5,-63,-83,16,-62,-94,52,9,85,59,-54,51,18,4! should equal 3023
 - > positiveSum([27,-5,26,20,-92,21,33,-3,81,49,54,-19,-6,-42,-5,-19,2,-15,70,-11,22,-81,94,-80,-3 should equal 2071
 - > positiveSum([-53,-62,78,46,59,-14,-32,-84,-66,74,12,77,54,76,-19,-65,-29,53,41,14,11,32,98,! should equal 2579
 - > positiveSum([-36,82,-31,-18,77,-26,42,-99,95,17,-28,57,65,-39,-40,49,-62,-9,52,-24,-13,47,-76,- should equal 1009
 - > positiveSum([-87,23,100,93,-49,-100,41,-50,-66,33,9,-9,-60,-39,82,-67,47,-88,-86,-45]) should equal 515
 - > positiveSum([-3,-12,37,-15,47,77,41,9,-68,-57,-8,-53,-72,-41,94,-87,10,70,-95,-86,-8,62,-1,99,35

Solution

```
1 function positiveSum(arr) {
2   let sumP=0
3   for(let i=0 ; i<arr.length; i++){
4     if(arr[i] >0){
5       sumP+=arr[i]
6     }
7   }
8   return sumP
9 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")
2
3 describe("Basic tests", () => {
4   it("Testing for fixed tests", () => {
5     assert.strictEqual(positiveSum([1,2,3,4,5]),15);
6     assert.strictEqual(positiveSum([-1,-2,3,4,-5]),13);
7     assert.strictEqual(positiveSum([]),0);
8     assert.strictEqual(positiveSum([-1,-2,-3,-4,-5]),0);
9     assert.strictEqual(positiveSum([-1,2,3,4,-5]),9);
10  });
11})
```

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7 kyu Isograms

☆ 2753 ⚡ 615 ↗ 90% of 19,912 ⚡ 92,104 of 239,482 🏆 chunjef 🔍 4 Issues Reported

Instructions Output

Time: 844ms Passed: 4 Failed: 0 Show All

Test Results:

You have passed all of the tests! :)

Solution

```
1 function isIsogram(str){  
2     //...  
3     const lowerStr = str.toLowerCase();  
4     const letters = lowerStr.split("");  
5     var iso=true;  
6  
7     for(let i=0;i<=letters.length;i++){  
8         for (let j=i+1 ; j<=letters.length; j++){  
9             if(letters[i]===letters[j]){  
10                 iso=false  
11             }  
12         }  
13     }  
14     return iso  
15 }  
16  
17 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Tests", () => {  
6     it("test", () => {  
7         assert.strictEqual(isIsogram("Dermatoglyphics"), true );  
8         assert.strictEqual(isIsogram("isogram"), true );  
9         assert.strictEqual(isIsogram("aba"), false, "some chars may not be adjacent" );  
10        assert.strictEqual(isIsogram("aaase"), false, "some chars may not be same case" );  
11        assert.strictEqual(isIsogram("isogram"), false );  
12        assert.strictEqual(isIsogram(""), true, "an empty string is a valid isogram" );  
13    });  
14});  
15
```

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7 kyu List Filtering

☆ 1792 ⚡ 395 ↗ 90% of 21,077 ⚡ 127,181 of 264,264 🏆 cmgerber

Instructions Output

Time: 716ms Passed: 2 Failed: 0

Test Results:

Tests

Fixed tests

Random tests

Completed in 3ms

You have passed all of the tests! :)

Solution

```
1 function filter_list() {  
2     // Return a new array with the strings filtered out  
3     return l.filter(ls => typeof ls === "number");  
4 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const assert = require('chai').assert;  
2 describe('Tests', () => {  
3     it('test', () => {  
4         assert.deepEqual(filter_list([1,2,'a','b']),[1,2], 'For input [1,2,"a","b"]');  
5         assert.deepEqual(filter_list(['1','a','b','0,15']),[1,0,15], 'For input ["1","a","b",0,15]');  
6         assert.deepEqual(filter_list([1,2,'aasf','1','123',123]),[1,2,123], 'For input [1,2,"aasf","1","123",123]');  
7     });
8 })
```

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8 kyu Find the smallest integer in the array

☆ 1317 ⚡ 349 ↗ 87% of 17,401 ⚡ 92,313 of 250,993 🔒 dukeofgarda 🔞 1 Issue Reported

Instructions Output

Time: 746ms Passed: 2 Failed: 0

Test Results:

- Smallest Integer Tests
 - Fixed Tests
 - Random Tests

Completed in 18ms

You have passed all of the tests! :)

Solution

```
1 class SmallestIntegerFinder {  
2   findSmallestInt(args) {  
3     return Math.min(...args);  
4   }  
5 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Smallest Integer Tests", () => {  
6   let sif = new SmallestIntegerFinder();  
7   it("should work for basic tests", () => {  
8     assert.strictEqual(sif.findSmallestInt([79, 56, 232, 12, 8]), 8, "Should return the smallest int 8");  
9     assert.strictEqual(sif.findSmallestInt([78, 56, 232, 12, 18]), 12, "Should return the smallest int 12");  
10    assert.strictEqual(sif.findSmallestInt([78, 56, 232, 412, 228]), 56, "Should return the smallest int 56");  
11    assert.strictEqual(sif.findSmallestInt([78, 56, 232, 12, 0]), 0, "Should return the smallest int 0");  
12    assert.strictEqual(sif.findSmallestInt([1, 56, 232, 12, 8]), 1, "Should return the smallest int 1");  
13  });  
14});
```

Kata Training

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7 kyu Sum of two lowest positive integers

☆ 1468 ⚡ 349 ↗ 89% of 16,267 ⚡ 84,621 of 206,731 🔒 emporio 🔞 4 Issues Reported

Instructions Output

Time: 748ms Passed: 3 Failed: 0

Test Results:

- Your function
 - should work for basic tests
 - should work for more fixed tests as well
 - should finally work for random tests

Completed in 3ms

You have passed all of the tests! :)

Solution

```
1 function sumTwoSmallestNumbers(numbers) {  
2   // Sort the array in ascending order  
3   numbers.sort((a, b) => a - b);  
4  
5   return numbers[0] + numbers[1];  
6 }  
7  
8
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3  
4 describe("Your function", function() {  
5   it("should work for basic tests", function() {  
6     assert.strictEqual(sumTwoSmallestNumbers([5, 8, 12, 19, 22]), 13, "Sum should be 13");  
7     assert.strictEqual(sumTwoSmallestNumbers([15, 28, 4, 2, 43]), 6, "Sum should be 6");  
8     assert.strictEqual(sumTwoSmallestNumbers([3, 87, 45, 12, 7]), 10, "Sum should be 10");  
9     assert.strictEqual(sumTwoSmallestNumbers([23, 71, 33, 82, 11]), 24, "Sum should be 24");  
10    assert.strictEqual(sumTwoSmallestNumbers([52, 76, 14, 12, 4]), 16, "Sum should be 16");  
11  });  
12});
```

Kata Training

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

7 kyu Growth of a Population

☆ 2429 ⚡ 441 ✅ 83% of 14,877 ⚡ 47,544 of 153,532 🔍 g964 🔞 1 Issue Reported

Instructions Output

Time: 758ms Passed: 101 Failed: 0

Test Results:

- nbYear
 - Basic tests
 - Completed in 1ms
 - Random tests
 - Testing nbYear
 - Testing nbYear

Solution

```
1 function nbYear(p0, percent, aug, p) {  
2     const growthRate = percent / 100;  
3     let year = 0;  
4     let population = p0;  
5  
6     while (population < p) {  
7         population = Math.floor(population * (1 + growthRate) + aug); // Calculate new population  
8         year++;  
9     }  
10    return year;  
11}
```

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("nbYears", function() {  
4     it("Basic tests", function() {  
5         Test.assertEquals(nbYear(1500, 5, 100, 5000), 15);  
6         Test.assertEquals(nbYear(1500000, 2.5, 10000, 2000000), 10);  
7         Test.assertEquals(nbYear(1500000, 0.25, 1000, 2000000), 94);  
8     });
});
```

Kata Training

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

8 kyu String repeat

☆ 1567 ⚡ 411 ✅ 89% of 18,364 ⚡ 115,462 of 281,863 🔍 wicchu 🔞 4 Issues Reported

Instructions Output

Time: 796ms Passed: 2 Failed: 0

Test Results:

- Tests
 - Basic tests
 - Random tests
 - Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function repeatStr (n, s) {  
2     return s.repeat(n);  
3 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Tests", function() {  
6     it ("Basic tests", function() {  
7         assert.strictEqual(repeatStr(3, "*"), "***");  
8         assert.strictEqual(repeatStr(5, "#"), #####");  
9         assert.strictEqual(repeatStr(2, "ha ha "), "ha ha ");  
10    });
});
```

Algorithms

Kata Training

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

7 kyu Is this a triangle?

☆ 1128 ⚡ 247 ↗ 84% of 14,120 ⚡ 56,817 of 164,929 🔍 silentZaika 🔞 2 Issues Reported

Instructions Output

Time: 803ms Passed: 104 Failed: 0

Test Results:

- Public tests
 - Testing for fixed tests
 - Test 1
 - Test 2
 - Test for negative values
- Completed in 3ms
- Random tests
 - isTriangle(4,6,1) should equal false
 - isTriangle(9,9,7) should equal true
 - isTriangle(9,9,-2) should equal false
 - isTriangle(10,8,1) should equal false
 - isTriangle(10,2,10) should equal true
 - isTriangle(4,5,6) should equal true
 - isTriangle(4,0,6) should equal false
 - isTriangle(4,9,5) should equal true
 - isTriangle(-1,6,2) should equal false
 - isTriangle(6,9,-2) should equal false
 - isTriangle(7,-1,-2) should equal false

Solution

```
function isTriangle(a,b,c)
  if (a + b > c) && (a + c > b) && (b + c > a);
}
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Kata Training

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

7 kyu Find the next perfect square!

☆ 1291 ⚡ 280 ↗ 90% of 12,993 ⚡ 56,785 of 155,228 🔍 kphurley 🔞 6 Issues Reported

Instructions Output

Time: 777ms Passed: 3 Failed: 0

Test Results:

- findNextSquare
 - should return the next square for perfect squares
 - should return -1 for numbers which aren't perfect squares
 - should work for random inputs
- Completed in 2ms

You have passed all of the tests! :)

Solution

```
function findNextSquare(sq) {
  const sqrt = Math.sqrt(sq);
  if (!Number.isInteger(sqrt)) {
    return -1;
  }
  return (sqrt + 1) ** 2;
}
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const Test = require('@codewars/test-compat');

describe("findNextSquare", function() {
  it("should return the next square for perfect squares", function() {
    Test.assertEquals(findNextSquare(121), 144, "Wrong output for 121");
    Test.assertEquals(findNextSquare(625), 676, "Wrong output for 625");
    Test.assertEquals(findNextSquare(31925), 32036, "Wrong output for 31925");
    Test.assertEquals(findNextSquare(15241383936), 15241630849, "Wrong output for 15241383936");
  });
  it("should return -1 for numbers which aren't perfect squares", function() {
    Test.assertEquals(findNextSquare(155), -1, "Wrong output for 155");
    Test.assertEquals(findNextSquare(342786627), -1, "Wrong output for 342786627");
  });
});
```

Kata Training

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

7 kyu Credit Card Mask

1763 327 90% of 17.061 72.955 of 178.286 samranjbari 1 Issue Reported

Instructions Output

Time: 823ms Passed: 2 Failed: 0

Test Results:

- maskify
 - > should work for some examples
 - > should work for random examples

Completed in 4ms

You have passed all of the tests! :)

Solution

```
1 // return masked string
2 function maskify(cc) {
3   if (cc.length < 4) {
4     return cc;
5   }
6
7   const lastFour = cc.slice(-4);
8
9   const masked = "#".repeat(cc.length - 4);
10
11   return masked + lastFour;
12
13 }
14
15
```

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe('maskify', function(){
4   it('should work for some examples', function(){
5     Test.assertEquals(maskify('4556364607935616'), '#####5616');
6     Test.assertEquals(maskify('1'), '1');
7     Test.assertEquals(maskify('1111'), '#1111');
8   });
9 });
```

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

Sum of odd numbers

7 kyu

Time: 786ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
- Tests
 - Testing for 50 random tests

You have passed all of the tests! :)

Solution

```
function rowSumOddNumbers(n) {
  return n*n;
}
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const chai = require("chai");
const assert = chai.assert;
chai.config.truncateThreshold=0;

describe("Basic tests", () => {
  it("Testing for fixed tests", () => {
    assert.strictEqual(rowSumOddNumbers(1), 1);
    assert.strictEqual(rowSumOddNumbers(42), 74088);
  });
});

const divisors = (integer) => {
  var res = [];
  for (var i = 2; i <= Math.floor(integer / 2); ++i) if (integer % i == 0) res.push(i);
  return res.length ? res : integer + " is prime";
};
```

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

Find the divisors!

7 kyu

Time: 852ms Passed: 1 Failed: 0

Test Results:

- Tests
 - test
 - Completed in 2ms

You have passed all of the tests! :)

Solution

```
function divisors(integer) {
  var res = [];
  for (var i = 2; i <= Math.floor(integer / 2); ++i) if (integer % i == 0) res.push(i);
  return res.length ? res : integer + " is prime";
}

describe("Tests", () => {
  it("test", () => {
    Test.assertDeepEquals(divisors(15), [3, 5]);
    Test.assertDeepEquals(divisors(12), [2, 3, 4, 6]);
    Test.assertDeepEquals(divisors(13), "13 is prime");
  });
});
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const divisors = (integer) => {
  var res = [];
  for (var i = 2; i <= Math.floor(integer / 2); ++i) if (integer % i == 0) res.push(i);
  return res.length ? res : integer + " is prime";
};

describe("Tests", () => {
  it("test", () => {
    Test.assertDeepEquals(divisors(15), [3, 5]);
    Test.assertDeepEquals(divisors(12), [2, 3, 4, 6]);
    Test.assertDeepEquals(divisors(13), "13 is prime");
  });
});
```

Data Types

Kata Training

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

8 kyu Return Negative

☆ 1302 ⚡ 298 ↗ 91% of 21,322 ⚡ 125,619 of 319,077 🏆 Deantwo

Instructions Output

Time: 728ms Passed: 1 Failed: 0

Test Results:

- Tests
 - test

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function makeNegative(num) {
2   // Code?
3   return ((num>0) ? num*-1 : num)
4 }
5 }
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Tests", () => {
4   it("test", () => {
5     Test.assertEquals(makeNegative(42), -42);
6   });
7 });
8 }
```

Kata Training

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

8 kyu Remove First and Last Character

☆ 1485 ⚡ 494 ↗ 92% of 17,780 ⚡ 122,060 of 271,221 🏆 Steadyx 🔞 5 Issues Reported

Instructions Output

Time: 728ms Passed: 2 Failed: 0

Test Results:

- Tests
 - Fixed Tests
 - Completed in 1ms
 - Random Tests
 - Testing for 100 random tests
 - Completed in 2ms

You have passed all of the tests! :)

Solution

```
1 function removeChar(str){
2   |
3   if (str.length < 2) {
4     return "";
5   }
6   |
7   return str.slice(1, -1);
8 }
9 }
10
11
12
13
14 }
```

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Tests", () => {
6   it("Fixed Tests", () => {
7     assert.strictEqual(removeChar('eloquent'), 'loquen');
8     assert.strictEqual(removeChar('country'), 'ountr');
9     assert.strictEqual(removeChar('person'), 'erso');
10    assert.strictEqual(removeChar('place'), 'lac');
11    assert.strictEqual(removeChar('oopssss'), 'opsss');
12  });
13 });
14 }
```

Kata Training

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

8 kyu Remove String Spaces

☆ 1356 ⚡ 388 ↗ 91% of 15,658 ⚡ 101,922 of 237,968 🔒 PG1

Instructions Output

Time: 839ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Fixed Tests
Completed in 1ms
 - Random tests
 - Testing for 100 random tests
Completed in 2ms

You have passed all of the tests! :)

Solution

```
function noSpace(x){  
  return x.replace(/\s/g, "");  
}
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const chai = require("chai");  
const assert = chai.assert;  
chai.config.truncateThreshold=0;  
  
describe("Basic tests", () =>{  
  it("Fixed Tests", () => {  
    assert.strictEqual(noSpace('8 j 8 mB1lB8g imjB888 jl B'), '8j8mBlB8gimjB888jlB');  
    assert.strictEqual(noSpace('8 8 B1 fk8h B 8 B886 B B B 8888 r h18 BnB fd'), '88B1fk8hB8886B8888ch18BnBfd');  
    assert.strictEqual(noSpace('aaaaaa dddd r     '), 'aaaaaaddddr');  
  });  
});
```

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

8 kyu Convert boolean values to strings 'Yes' or 'No'.

☆ 1107 ⚡ 289 ↗ 89% of 20.652 @ 115.547 of 313.871 🔒 weavermedia 📈 2 Issues Reported

Instructions Output

Time: 782ms Passed: 103 Failed: 0

Test Results:

- Basic tests
 - Testing for basic tests
 - Testing for true values
 - Testing for false values
- Completed in 1ms
- Random tests
 - boolToWord(false) should equal "No"
 - boolToWord(true) should equal "Yes"
 - boolToWord(true) should equal "Yes"
 - boolToWord(true) should equal "Yes"
 - boolToWord(false) should equal "No"
 - boolToWord(true) should equal "Yes"
 - boolToWord(false) should equal "No"
 - boolToWord(false) should equal "No"
 - boolToWord(false) should equal "No"

Solution

```
1 // function boolToWord( bool ){
2   // ...
3   return (bool==true)?'Yes':'No'
4 }
```

Good Job! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")
2
3 describe("Basic tests", () => {
4   it("Testing for basic tests", () => {
5     assert.strictEqual(boolToWord(true), 'Yes')
6     assert.strictEqual(boolToWord(false), 'No')
7   });
8 });


```

Kata Training

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

8 kyu Convert a Number to a String!

☆ 1140 ⚡ 248 ↗ 88% of 21.116 @ 130.047 of 340.547 🔒 AKJIO 📈 1 Issue Reported

Instructions Output

Time: 816ms Passed: 2 Failed: 0

Test Results:

- Tests
 - fixed tests
 - random tests
- Completed in 5ms

You have passed all of the tests! :)

Solution

```
1 function numberToString(num) {
2   // Return a string of the number here!
3   return num.toString()
4 }
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const assert = require('chai').assert;
2
3 describe("Tests", () => {
4   it("test", () => {
5     assert.strictEqual(numberToString(67), '67');
6   });
7 });


```

Numbers

Kata Training

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

8 kyu Basic Mathematical Operations

☆ 1161 ⚡ 329 ↗ 91% of 12,702 ⚡ 85,218 of 198,750 🔒 Quickz 🔞 4 Issues Reported

Instructions Output

Time: 784ms Passed: 5 Failed: 0

Test Results:

- Fixed tests
 - Basic tests
 - Completed in 1ms
 - Random tests
 - Testing +
 - Testing -
 - Testing *
 - Testing /

You have passed all of the tests! :)

Solution

```
1 function basicOp(operation, value1, value2){  
2     if (!operation || typeof value1 !== "number" || typeof value2 !== "number") {  
3         return null;  
4     }  
5     const operators = {  
6         "+": (a, b) => a + b,  
7         "-": (a, b) => a - b,  
8         "*": (a, b) => a * b,  
9         "/": (a, b) => (b === 0 ? null : a / b),  
10    };  
11    const operationFunction = operators[operation];  
12    if (!operationFunction) {  
13        return null;  
14    }  
15    return operationFunction(value1, value2);  
16}
```

Sample Tests

```
1 const {assert} = require("chai");  
2  
3 describe("Basic tests", () => {  
4     it('Tests', () => {  
5         assert.strictEqual(basicOp("+", 4, 7), 11, "4 + 7 = 11");  
6         assert.strictEqual(basicOp("-", 15, 18), -3, "15 - 18 = -3");  
7         assert.strictEqual(basicOp("*", 5, 5), 25, "5 * 5 = 25");  
8         assert.strictEqual(basicOp("/", 49, 7), 7, "49 / 7 = 7");  
9     });
10});
```

Kata Training

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

7 kyu Sum of the first nth term of Series ✓

☆ 1636 ⚡ 345 ↗ 86% of 7,862 ⚡ 29,014 of 85,691 🔒 DivyanshBatham 🔞 2 Issues Reported

Instructions Output Past Solutions

Time: 1142ms Passed: 2 Failed: 0

Test Results:

- Solution tests
 - Fixed tests
 - Random tests
 - Completed in 9ms

You have passed all of the tests! :)

Solution

```
1 function SeriesSum(n)  
2 {  
3     let som=0;  
4     for(let i=1;i<=n;i=i+3){  
5         som=som+1.00/i;  
6     }  
7     return som.toFixed(2);  
8 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require('chai');  
2  
3 describe("Sample tests", () => {  
4     it('n = 1', () => {  
5         let actual = SeriesSum(1);  
6         checkReturnValue(actual);  
7         assert.strictEqual(actual, "1.00", "n = 1")  
8     });  
9     it('n = 2', () => assert.strictEqual(SeriesSum(2), "1.25", "n = 2"));  
10    it('n = 3', () => assert.strictEqual(SeriesSum(3), "1.39", "n = 3"));  
11    it('n = 4', () => assert.strictEqual(SeriesSum(4), "1.49", "n = 4"));  
12});  
13  
14 function checkReturnValue(actual) {  
15     assert.isDefined(actual, "Your function did not return a value. Did you log it to console instead?");  
16}
```

Kata Training

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

8 kyu Keep Hydrated!

☆ 936 ⚡ 243 ↗ 89% of 12,745 ⚡ 70,630 of 197,714 🔒 paulrichard

Instructions Output

Time: 817ms Passed: 2 Failed: 0

Test Results:

- Fixed tests
 - Tests
 - Completed in 1ms
- Random tests
 - Testing for 40 random tests
 - Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function litres(time) {
2   let litres=time/2;
3   return Math.Floor([litres])
4 }
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe('Fixed tests', () => {
6   it('Tests', () => {
7     assert.strictEqual(litres(2), 1, 'should return 1 litre');
8     assert.strictEqual(litres(1.4), 0, 'should return 0 litres');
9     assert.strictEqual(litres(3), 6, 'should return 6 litres');
10    assert.strictEqual(litres(0.82), 0, 'should return 0 litres');
11    assert.strictEqual(litres(11.8), 5, 'should return 5 litres');
12    assert.strictEqual(litres(1787), 893, 'should return 893 litres');
13    assert.strictEqual(litres(0), 0, 'should return 0 litres');
14  });
15});
```

Kata Training

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

8 kyu Century From Year

☆ 1597 ⚡ 422 ↗ 91% of 11,990 ⚡ 79,666 of 188,171 🔒 MrZizoScream

Instructions Output

Time: 762ms Passed: 2 Failed: 0

Test Results:

- Basic Tests
 - Sample Tests
 - Random Tests

Completed in 4ms

You have passed all of the tests! :)

Solution

```
1 function century(year) {
2   // Handle invalid input (year should be a positive integer)
3   if (year <= 0) {
4     return undefined;
5   }
6
7   // Efficient calculation using integer division and remainder
8   return Math.ceil(year / 100);
9 }
```

Good Job! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Tests", () => {
4   it("tests", () => {
5     Test.assertEquals(century(1705), 18, 'Testing for year 1705');
6     Test.assertEquals(century(1990), 19, 'Testing for year 1990');
7     Test.assertEquals(century(1601), 17, 'Testing for year 1601');
8     Test.assertEquals(century(2000), 20, 'Testing for year 2000');
9     Test.assertEquals(century(89), 1, 'Testing for year 89');
10  });
11});
```

Kata Training

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

8 kyu Beginner - Lost Without a Map

☆ 987 ⚡ 273 ✅ 91% of 10,720 ⚡ 73,759 of 171,197 🔒 PG1 ⚡ 3 Issues Reported

Instructions Output Past Solutions

Time: 720ms Passed: 3 Failed: 0

Test Results:

- Basic tests
 - Fixed tests
 - Sanity test
- Random tests
 - Testing for 100 random tests

Completed in 2ms

You have passed all of the tests! :)

Solution

```
function maps(x){  
  return x.map((n)>n*2)  
}
```

Sample Tests

```
const chai = require("chai");  
const assert = chai.assert;  
chai.config.truncateThreshold=0;  
  
describe("Basic tests", ()=>{  
  if("Fixed tests", ()=>{  
    assert.deepEqual(maps([1, 2, 3]), [2, 4, 6]);  
    assert.deepEqual(maps([4, 1, 1, 1, 4]), [8, 2, 2, 2, 8]);  
    assert.deepEqual(maps([2, 2, 2, 2, 2]), [4, 4, 4, 4, 4]);  
  });  
});
```

Strings

Kata Training

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

8 kyu Reversed Strings

☆ 1753 ⚡ 409 ✅ 91% of 20,245 @ 136,822 of 326,645 🏆 jhoffner 🚧 1 Issue Reported

Instructions Output

Time: 808ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
Completed in 1ms
 - > Testing for 100 random tests
Completed in 3ms

You have passed all of the tests! :)

Solution

```
1 function solution(str){  
2     var rev ='';  
3     for (let i=str.length-1;i>=0;i--){  
4         rev += str[i];  
5     }  
6     return rev  
7 }
```

Good Job! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Basic tests", () => {  
6     it('Testing for fixed tests', () => {  
7         assert.strictEqual(solution('world'), 'dlrow');  
8         assert.strictEqual(solution('hello'), 'olleh');  
9         assert.strictEqual(solution(''), '');  
10        assert.strictEqual(solution('h'), 'h');  
11    });  
12});
```

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7 kyu String ends with?

☆ 1479 ⚡ 350 ✅ 87% of 13,304 @ 79,575 of 207,618 🏆 jhoffner 🚧 6 Issues Reported

Instructions Output

Time: 759ms Passed: 1 Failed: 0

Test Results:

- Tests
 - > test
Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function solution(str, ending){  
2     if (str === "" || ending.length > str.length) {  
3         return false;  
4     }  
5     return str.endsWith(ending);  
6 }
```

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4     it('test', () => {  
5         Test.assertEquals(solution('abcde', 'cde'), true)  
6         Test.assertEquals(solution('abcde', 'abc'), false)  
7     });  
8 });
```

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8 kyu Do I get a bonus?

☆ 327 ⚡ 132 ≈ 91% of 6,263 @ 23,676 of 55,0% PG1 ▲ 1 Issue Reported

Instructions Output

Time: 807ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
Completed in 1ms
- Random tests
 - Testing for 40 random tests
Completed in 1ms

You have passed all of the tests! :)

JavaScript Node v18.x

VIM EMACS

```
1 // function bonusTime(salary, bonus) {
2 //   // your code here
3 //   if (bonus) {
4 //     return 'E' + (salary * 10);
5 //   } else {
6 //     return 'E' + salary;
7 //   }
8 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Basic tests", () =>{
6   it("Testing for fixed tests", () => {
7     assert.strictEqual(bonusTime(10000, true), 'E100000');
8     assert.strictEqual(bonusTime(25000, true), 'E250000');
9     assert.strictEqual(bonusTime(50000, false), 'E10000');
10    assert.strictEqual(bonusTime(60000, false), 'E60000');
11    assert.strictEqual(bonusTime(2, true), 'E20');
12    assert.strictEqual(bonusTime(78, false), 'E78');
13    assert.strictEqual(bonusTime(67890, true), 'E678900');
14  })
15})
```

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Abbreviate a Two Word Name

8 kyu

1379 ⚡ 399 ↗ 92% of 11,614 ⚡ 66,467 of 158,286 🔒 samjam48 🔞 6 Issues Reported

Instructions Output

Time: 763ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
 - Completed in 1ms
- Random tests
 - Testing for 200 random tests
 - Completed in 5ms

You have passed all of the testst :)

Solution

```
1 function abbrevName(name){  
2   let nameslice = name.split(" ");  
3   let initials = [];  
4   for(let i of nameslice) {  
5     var nameUpper = i[0].toUpperCase();  
6     initials.push(nameUpper);  
7   }  
8   return initials.join(" .");  
9 }
```

Correctamundo! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Basic tests", () => {  
6   it("Testing for fixed tests", () => {  
7     assert.strictEqual(abbrevName("Barry Harris"), "B.H.");  
8     assert.strictEqual(abbrevName("Patrick Swayze"), "P.F.");  
9     assert.strictEqual(abbrevName("Evan Cole"), "E.C.");  
10    assert.strictEqual(abbrevName("Favuzzi"), "P.F.");  
11    assert.strictEqual(abbrevName("David Mendieta"), "D.M.");  
12  });  
13});
```

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DNA to RNA Conversion

8 kyu

968 ⚡ 229 ↗ 91% of 8,473 ⚡ 44,230 of 129,239 🔒 torrent 🔞 3 Issues Reported

Instructions Output

Time: 758ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
 - Completed in 1ms
- Random tests
 - sDNAtoRNA("ATCCATAGGCCA") should equal "AUCCAUAGGCCA"
 - sDNAtoRNA("CCACAGA") should equal "CCACAGA"
 - sDNAtoRNA("AA") should equal "AA"
 - sDNAtoRNA("CGTTTA") should equal "CGUUUA"
 - sDNAtoRNA("C") should equal "C"
 - sDNAtoRNA("GCGGTAAATCCCACATTT") should equal "GCGGUUAUCCCCACAUCAAU"
 - sDNAtoRNA("GG") should equal "GG"
 - sDNAtoRNA("C") should equal "C"
 - sDNAtoRNA("CTATACAGAAATTACG") should equal "CUUAACAGAAUACAG"
 - sDNAtoRNA("TCITGTTGATAGTTT") should equal "UCUGUUGAUAGUUU"
 - sDNAtoRNA("GAGTTAGCTGGAGAGTT") should equal "GAGUUGACUGAGAGUU"
 - sDNAtoRNA("TCCCTTTT") should equal "UCUUUUUU"
 - sDNAtoRNA("CATA") should equal "CAUA"
 - sDNAtoRNA("GCTACAAGAA") should equal "GCUACAAGAA"

Solution

```
1 function DNAtoRNA(dna) {  
2   // create a function which returns an RNA sequence from the given DNA sequence  
3   let rna="";  
4   for ( let i of dna){  
5     if(i=="T"){  
6       rna += 'U'  
7     }else{  
8       rna += i  
9     }  
10  }  
11  return rna  
12 }
```

Impressive! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Basic tests", () => {  
6   it("Testing for fixed tests", () => {  
7     assert.strictEqual(DNAtoRNA("TITT"), "UUUU")  
8     assert.strictEqual(DNAtoRNA("GAT"), "GCAU")  
9     assert.strictEqual(DNAtoRNA("GACGGCCGCC"), "GACGGCCGCC")  
10    });  
11  })
```

Arrays

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8 kyu Counting sheep...

☆ 1649 ⚡ 405 ✅ 89% of 15,864 @ 100,069 of 239,725 🎖 tfKamran 🚧 5 Issues Reported

Instructions Output

Time: 995ms Passed: 2 Failed: 0

Test Results:

- Submission Tests
 - Fixed Tests
 - Random Tests

Completed in 3ms

You have passed all of the tests! :)

Solution

```
1 // TODO
2 let co = 0;
3 sheep.forEach(sh => {
4   if (sh === true) {
5     co++;
6   }
7 });
8 return co;
10
11
12 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const {assert} = require('chai');
2
3 describe('Sample tests', function() {
4   const tests = [
5     [[], 0],
6     [[undefined], 0],
7     [[null], 0],
8     [[false], 0],
9     [[true], 1],
10    [[undefined,null,false,true], 1],
11    [[true,true,true,false,true,true,true,true], 2],
12    [[true,true,true,true,false,null,undefined], 2],
13    []
14  ];
15  for (let [sheep, expected] of tests) {
16    it(`should count ${sheep} to ${expected}`, () => {
17      assert.strictEqual(countSheeps(sheep), expected);
18    });
19  }
20});
```

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7 kyu Ones and Zeros

☆ 1500 ⚡ 395 ✅ 90% of 11,181 @ 48,620 of 136,499 🎖 user4386369 🚧 1 Issue Reported

Instructions Output

Time: 890ms Passed: 1 Failed: 0

Test Results:

- One's and Zero's
 - Works with random tests

Completed in 7ms

You have passed all of the tests! :)

Solution

```
1 const binaryArrayToNumber = arr => {
2   // your code
3   let result = 0;
4   for (let i = arr.length - 1; i >= 0; i--) {
5     result += arr[i] * Math.pow(2, arr.length - 1 - i);
6   }
7   return result;
8 };
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("One's and Zero's", () => {
4   it("Example tests", () => {
5     Test.assertEquals(binaryArrayToNumber([0,0,0,1]), 1);
6     Test.assertEquals(binaryArrayToNumber([0,0,1,0]), 2);
7     Test.assertEquals(binaryArrayToNumber([1,1,1,1]), 15);
8     Test.assertEquals(binaryArrayToNumber([0,1,1,0]), 6);
9   });
10 });
11
12 });
```

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8 kyu A Needle in the Haystack

☆ 1138 ⚡ 318 ↗ 91% of 11,120 ⚡ 67,773 of 156,185 andrewMacmurray

⚠ 2 Issues Reported

Instructions Output

Time: 797ms Passed: 1 Failed: 0

Test Results:

Tests

> test

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function findNeedle(haystack) {  
2   const index = haystack.findIndex(item => item === "needle");  
3   return "found the needle at position " + index;  
4 }  
5 }
```

Correctamundo! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4   it("test", () => {  
5     var haystack_1 = ['3', '123124234', undefined, 'needle', 'world', 'hay', 2, '3', true, false];  
6     var haystack_2 = ['283497238987234', 'a dog', 'a cat', 'some random junk', 'a piece of hay', 'needle', 'something else', 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30];  
7     var haystack_3 = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30];  
8  
9     Test.assertNotEqual(findNeedle(haystack_1), undefined, "Your function didn't return anything");  
10    Test.assertEqual(findNeedle(haystack_1), 'found the needle at position 3');  
11    Test.assertEqual(findNeedle(haystack_2), 'found the needle at position 5');  
12    Test.assertEqual(findNeedle(haystack_3), 'found the needle at position 30');  
13  });  
14});
```

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7 kyu Remove the minimum

☆ 1286 ⚡ 313 ↗ 85% of 7,554 ⚡ 36,118 of 77,010 🔒 bkaes 🔞 1 Issue Reported

Instructions Output Past Solutions

Time: 811ms Passed: 5 Failed: 0

Test Results:

- removeSmallest
 - works for the examples
 - returns [] if the list has only one element
 - returns a list that misses only one element
 - check for mutations to original array/list
 - works for random lists

Completed in 2ms

You have passed all of the tests! :)

Solution

```
function removeSmallest(numbers) {
  return numbers.filter((n,i) => i !== numbers.indexOf(Math.min(...numbers)))]
}
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const chai = require("chai");
const assert = chai.assert;
chai.config.truncateThreshold=0;

describe("removeSmallest", function() {
  it("works for the examples", function() {
    assert.deepEqual(removeSmallest([1, 2, 3, 4, 5]), [2, 3, 4, 5], "Wrong result for [1, 2, 3, 4, 5]");
    assert.deepEqual(removeSmallest([5, 3, 2, 1, 4]), [5, 3, 2, 4], "Wrong result for [5, 3, 2, 1, 4]");
    assert.deepEqual(removeSmallest([2, 2, 1, 2, 1]), [2, 2, 2, 1], "Wrong result for [2, 2, 1, 2, 1]");
    assert.deepEqual(removeSmallest([]), [], "Wrong result for []");
  });
  it("returns [] if the list has only one element", function() {
    for (let i = 0; i < 10; ++i) {
      let x = ~~(Math.random() * 400);
      assert.deepEqual(removeSmallest([x]), []);
    }
  });
});
```

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8 kyu Convert number to reversed array of digits

☆ 1878 ⚡ 439 ↗ 91% of 11,583 ⚡ 73,023 of 170,418 🔒 emporio

Instructions Output

Time: 751ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
- Completed in 1ms
- Random tests
 - Testing for 37 random tests
- Completed in 1ms

You have passed all of the tests! :)

Solution

```
function digitize(n) {
  //Code here
  let numbers= n.toString().split('').map(Number);
  return numbers.reverse()
}
```

Impressive! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const chai = require("chai");
const assert = chai.assert;
chai.config.truncateThreshold=0;

describe("Basic tests", () => {
  it("Testing for fixed tests", () => {
    assert.deepEqual(digitize(35231),[1,3,2,5,3]);
    assert.deepEqual(digitize(0),[0]);
  });
});
```

Objects

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7 kyu Make a function that does arithmetic!

☆ 358 ⚡ 125 ↗ 89% of 4,300 ⚡ 22,043 of 50,183 🔒 ZoeyMiller ⚡ 2 Issues Reported

Instructions Output

Time: 1036ms Passed: 5 Failed: 0

Test Results:

- Basic tests
 - Testing for fixed tests
 - Random tests for 'add'
 - Random tests for 'subtract'
 - Random tests for 'divide'
 - Random tests for 'multiply'

Completed in 5ms

You have passed all of the tests! :)

Solution

```
1 // function arithmetic(a, b, operator){  
2 //   //your code here!  
3 // }  
4 let operators = {  
5   "add":(a,b) => a+b,  
6   "subtract":(a,b) => a-b,  
7   "divide":(a,b) =>/a/b,  
8   "multiply":(a,b)>= a*b  
9 }  
10 const ArithmetiqueFunction = operators[operator]  
11 return ArithmetiqueFunction(a,b)  
12 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Basic tests", () => {  
6   it("Testing for fixed tests", () => {  
7     assert.strictEqual(arithmetic(1, 2), "add"), 3, "'add' should return the two numbers added together!");  
8     assert.strictEqual(arithmetic(3, 2), "subtract"), 1, "'subtract' should return a minus b!");  
9     assert.strictEqual(arithmetic(5, 2), "multiply"), 10, "'multiply' should return a multiplied by b!");  
10    assert.strictEqual(arithmetic(8, 2), "divide"), 4, "'divide' should return a divided by b!");  
11  })  
12 })
```

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8 kyu Regular Ball Super Ball

☆ 365 ⚡ 149 ↗ 88% of 2,729 ⚡ 16,683 of 33,209 🔒 ogryzek ⚡ 1 Issue Reported

Instructions Output

Time: 752ms Passed: 2 Failed: 0

Test Results:

- Ball
 - should have a ballType of 'regular' if no arguments are given
 - should have a ballType of 'super' if 'super' is given as an argument

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 class Ball {  
2   constructor(ballType = "regular") {  
3     this.ballType = ballType;  
4   }  
5 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4   it("test", () => {  
5     // Create your own tests here. These are some of the methods available:  
6     // Test.expect(boolean, [optional] message)  
7     // Test.assertEquals(actual, expected, [optional] message)  
8     // Test.assertSimilar(actual, expected, [optional] message)  
9     // Test.assertNotEqual(actual, expected, [optional] message)  
10    Test.assertEquals(new Ball().ballType, "regular");  
11    Test.assertEquals(new Ball("super").ballType, "super");  
12  });  
13});  
14
```

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Make them bark!

☆ 118 ⚡ 29 ✅ 86% of 695 🌐 6,426 of 8,402 🔍 paragonHex ⚠ 2 Issues Reported

Instructions Output

Time: 788ms Passed: 1 Failed: 0

Test Results:

- Tests
 - test

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 // TODO: solve the barking problem!
2 function Dog(name, breed, sex, age){
3   this.name = name;
4   this.breed = breed;
5   this.sex = sex;
6   this.age = age;
7   this.bark = function() {
8     return 'Woof!';
9   }
10 }
11
```

Impressive! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Tests", () => {
4   it("test", () => {
5     console.log('Can you make newly created dogs bark?');
6     var apollo = new Dog('Apollo', 'Doberman', 'male', '4');
7     var zeus = new Dog('Zeus', 'Doberman', 'male', '4');
8
9     Test.assertEquals(apollo.bark(), 'Woof!');
10    Test.assertEquals(zeus.bark(), 'Woof!');
11  });
12 });
13
```

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7 kyu Add property to every object in array

☆ 65 ⚡ 38 ✅ 82% of 1,177 @ 13,975 of 14,074 🌐 Clarity ⚡ 1 Issue Reported

Instructions Output

Time: 765ms Passed: 1 Failed: 0

Test Results:

Log

```
[{"question: 'Question', options: ['Choice1', 'Choice2', 'Choice3', 'Choice4'], rightAns: 0, numAttempts: 2, usersAnswer: null}, {"question: 'Question', options: ['Choice1', 'Choice2', 'Choice3', 'Choice4'], rightAns: 1, numAttempts: 3, usersAnswer: null}, {"question: 'Question', options: ['Choice1', 'Choice2', 'Choice3', 'Choice4'], rightAns: 0, numAttempts: 1, usersAnswer: null}, {"question: 'Question', options: ['U$5 dollar', 'Ruble', 'Horses', 'Gold'], rightAns: 0, numAttempts: 0, usersAnswer: null}, {"question: 'Question', options: ['Choice1', 'Choice2', 'Choice3', 'Choice4'], rightAns: 0, numAttempts: 0, usersAnswer: null}, {"question: 'Question', options: ['Choice1', 'Choice2', 'Choice3', 'Choice4'], rightAns: 0, numAttempts: 0, usersAnswer: null}]
```

Solution

```
1 //write your code here
2 |
3 questions.forEach(obj => {
4   obj.usersAnswer = null;
5 });
6 console.log(questions);
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');
2
3 describe("Tests", () => {
4   it("test", () => {
5     Test.assertEquals(questions[0].usersAnswer === null);
6   });
7 });
```

SKIP UNLOCK SOLUTIONS DISCUSS(27) RESET TEST SUBMIT

Kata Training

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7 kyu FIXMe: Get Full Name

☆ 75 ⚡ 43 ✅ 90% of 1,416 @ 4,785 of 9,660 🌐 dinglemouse

Instructions Output

Time: 637ms Passed: 104 Failed: 0

Test Results:

Simple tests

- Test Passed: Value == 'Clint Eastwood'
- No Last Name
- No First Name
- No First or Last Name

Completed in 5ms

Random test

- Random test #1 = Matt SouthWood
- Random test #2 = Jake WestRiver
- Random test #3 = WestWood
- Random test #4 = Valley
- Random test #5 = Clint Valley
- Random test #6 = Jake North
- Random test #7 = NorthMarsh
- Random test #8 = South
- Random test #9 = Clint NorthMount
- Random test #10 = Jake SouthLake
- Random test #11 = Stef Lake

Solution

```
1 class Dinglemouse{
2   constructor( firstName, lastName ){
3     this.firstName=firstName;
4     this.lastName=lastName;
5   }
6
7   getFullName(){
8     if(this.firstName=="" && this.lastName!="")(return this.lastName)
9     else if(this.firstName !="" && this.lastName == "")(return this.firstName) else if(this.firstName == "" && th
10    return "";
11    else if(this.firstName !="" && this.lastName !=""){
12      return this.firstName+" "+this.lastName}
13  }
14
15 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 describe("Tests", () => {
2   it("test", () => {
3     Test.assertEquals(new Dinglemouse("Clint", "Eastwood").getFullName(), "Clint Eastwood");
4   });
5 });
6});
```

Basic Language Features

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8 kyu Grasshopper - Summation

☆ 1477 ⚡ 422 ✅ 91% of 16,161 ⚡ 91,557 of 244,957 🔒 danleavitt 🔞 1 Issue Reported

Instructions Output

Time: 841ms Passed: 2 Failed: 0

Test Results:

- summation
 - should return the correct total
 - random numbers test

Completed in 4ms

You have passed all of the tests! :)

Solution

```
1 var summation = function (num) {  
2   // Code here  
3   var sum=0;  
4   for(let i=0;i<num;i++){  
5     sum +=i  
6   }  
7   return sum  
8 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const assert = require('chai').assert;  
2  
3 describe('summation', function () {  
4   it('should return the correct total', function () {  
5     assert.strictEqual(summation(1), 1);  
6     assert.strictEqual(summation(2), 3);  
7     assert.strictEqual(summation(8), 36);  
8   })  
9 })  
10
```

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8 kyu Jenny's secret message

☆ 468 ⚡ 142 ✅ 90% of 8,247 ⚡ 49,178 of 103,712 🔒 bkaes 🔞 3 Issues Reported

Instructions Output

Time: 799ms Passed: 2 Failed: 0

Test Results:

- Jenny's greeting function
 - should greet some people normally
 - should greet Johnny a little bit more special

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function greet(name){  
2   if(name === "Johnny"){  
3     return "Hello, my love!";}  
4   else {return "Hello, " + name + "!";}  
5 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe('Jenny\'s greeting function', function(){  
4   it('should greet some people normally',function(){  
5     Test.assertEquals(greet("Ain"), "Hello, Ain");  
6     Test.assertEquals(greet("Jane"), "Hello, Jane!");  
7     Test.assertEquals(greet("Simon"), "Hello, Simon!");  
8   });  
9   it('should greet Johnny a little bit more special',function(){  
10    Test.assertEquals(greet("Johnny"), "Hello, my love!");  
11  });  
12});
```

Kata Training

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

8 kyu Function 1 - hello world

☆ 998 ⚡ 159 ↗ 83% of 13,895 @ 97,735 of 241,943 🔍 init! ▲ 4 Issues Reported

Instructions Output

Time: 749ms Passed: 2 Failed: 0

Test Results:

- Testing function
 - > Is it a function?
 - > Correct return-value?

You have passed all of the tests! :)

Solution

```
// Write a function "greet" that returns "hello world!"  
function greet(){  
    return "hello world!"  
}
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const assert = require("chai").assert;  
  
describe("Testing function", function() {  
  it("Is it a function?", function() {  
    assert.strictEqual(typeof greet, "function", "greet should be a function");  
  });  
  it("Correct return-value?", function() {  
    assert.strictEqual(greet(), "hello world!");  
  });  
});
```

Kata Training

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Count the Monkeys!

8 kyu

501 ⚡ 182 🐾 92% of 6,466 ⚡ 28,432 of 64,612 🔒 PG1 ⚡ 3 Issues Reported

Instructions Output

Time: 996ms Passed: 2 Failed: 0

Test Results:

- monkeyCount
 - > should work for fixed tests
 - > should work for random tests

Completed in 6ms

You have passed all of the tests! :)

Solution

```
1 function monkeyCount(n) {  
2     // your code here  
3     var monkey[];  
4     for ( let i=1;i<n;i++){  
5         monkey.push(i);  
6     }  
7     return monkey  
8 }
```

Good Job! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("monkeyCount", () => {  
6     it("should work for fixed tests", () => {  
7         assert.deepEqual(monkeyCount(5)), [1, 2, 3, 4, 5]);  
8         assert.deepEqual((monkeyCount(3)), [1, 2, 3]);  
9         assert.deepEqual((monkeyCount(9)), [1, 2, 3, 4, 5, 6, 7, 8, 9]);  
10        assert.deepEqual((monkeyCount(10)), [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]);  
11        assert.deepEqual((monkeyCount(20)), [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20]);  
12    });  
13});
```

Kata Training

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Are You Playing Banjo?

8 kyu

761 ⚡ 149 🐾 91% of 10,203 ⚡ 64,802 of 157,652 🔒 MRodalgard ⚡ 2 Issues Reported

Instructions Output

Time: 800ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
- Random tests
 - > areYouPlayingBanjo("Samantha") should equal "Samantha does not play banjo"
 - > areYouPlayingBanjo("valde") should equal "valde does not play banjo"
 - > areYouPlayingBanjo("trishan") should equal "trishan does not play banjo"
 - > areYouPlayingBanjo("resh") should equal "resh plays banjo"
 - > areYouPlayingBanjo("royce") should equal "royce plays banjo"
 - > areYouPlayingBanjo("Ethan") should equal "Ethan does not play banjo"
 - > areYouPlayingBanjo("fanny") should equal "fanny does not play banjo"
 - > areYouPlayingBanjo("trishan") should equal "trishan does not play banjo"
 - > areYouPlayingBanjo("Lavender") should equal "Lavender does not play banjo"
 - > areYouPlayingBanjo("Reaven") should equal "Reaven plays banjo"
 - > areYouPlayingBanjo("Bob") should equal "Bob does not play banjo"
 - > areYouPlayingBanjo("chelsea") should equal "chelsea does not play banjo"
 - > areYouPlayingBanjo("trishan") should equal "trishan does not play banjo"
 - > areYouPlayingBanjo("michelle") should equal "michelle does not play banjo"

Completed in 1ms

Solution

```
1 function areYouPlayingBanjo(name) {  
2     // Implement me  
3     if(name[0]==="R" || name[0]==="r"){  
4         return `${name} plays banjo"  
5     } else{  
6         return `${name} does not play banjo'  
7     }  
8 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Basic tests", () => {  
6     it("Testing for fixed tests", () => {  
7         assert.strictEqual(areYouPlayingBanjo("Adam"), "Adam does not play banjo");  
8         assert.strictEqual(areYouPlayingBanjo("Paul"), "Paul does not play banjo");  
9         assert.strictEqual(areYouPlayingBanjo("Ringo"), "Ringo plays banjo");  
10        assert.strictEqual(areYouPlayingBanjo("bravo"), "bravo does not play banjo");  
11        assert.strictEqual(areYouPlayingBanjo("rolf"), "rolf plays banjo");  
12    })  
13});
```

Conditional Statements (Control Flow)

Kata Training

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7 kyu Find the capitals

☆ 394 ⚡ 132 ↗ 93% of 3,503 @ 22,687 of 39,210 🏆 ankr 🔞 4 Issues Reported

Instructions Output

Instructions

Write a function that takes a single non-empty string of only lowercase and uppercase ascii letters ('word') as its argument, and returns an ordered list containing the indices of all capital (uppercase) letters in the string.

Example (Input --> Output)

"CodEWaRs" --> [0,3,4,6]

STRINGS ARRAYS FUNDAMENTALS

Solution

```
3 var capitals = function (word) {  
4     // Write your code here  
5     if (word === "") || !word.match(/^[a-zA-Z]+$/)) {  
6         return [];  
7     }  
8     const capitalIndices = [];  
9     for (let i = 0; i < word.length; i++) {  
10        if (word.charCodeAt(i) >= 'A' && word.charCodeAt(i) <= 'Z') {  
11            capitalIndices.push(i);  
12        }  
13    }  
14    return capitalIndices;  
15};
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Kata Training

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8 kyu Plural

☆ 164 ⚡ 66 ↗ 85% of 3,820 @ 17,793 of 36,720 🏆 wrhit56 🔞 2 Issues Reported

Instructions Output

Time: 83ms Passed: 1 Failed: 0

Test Results:

Tests

> test

Completed in 5ms

You have passed all of the tests! :)

Solution

```
1 function plural(n) {  
2     // ...  
3     return n !== 1;  
4 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4     it('test', () => {  
5         Test.assertEquals(plural(0), true, "Plural for 0");  
6         Test.assertEquals(plural(0.5), true, "Plural for 0.5");  
7         Test.assertEquals(plural(1), false, "Plural for 1");  
8         Test.assertEquals(plural(100), true, "Plural for 100");  
9         Test.assertEquals(plural(infinity), true, "Plural for Infinity");  
10    });  
11});  
12});  
13
```

Kata Training

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8 kyu Drink about ✓

☆ 202 ⚡ 71 ✅ 90% of 3,611 ⚡ 18,838 of 43,229 darlanmendonca

Instructions Output Past Solutions

Time: 1121ms Passed: 101 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
- Completed in 1ms
- Random tests
 - > peopleWithAgeDrink(4) should equal "drink toddy"
 - > peopleWithAgeDrink(26) should equal "drink whisky"
 - > peopleWithAgeDrink(18) should equal "drink beer"
 - > peopleWithAgeDrink(30) should equal "drink whisky"
 - > peopleWithAgeDrink(15) should equal "drink coke"
 - > peopleWithAgeDrink(26) should equal "drink whisky"
 - > peopleWithAgeDrink(9) should equal "drink toddy"
 - > peopleWithAgeDrink(13) should equal "drink toddy"
 - > peopleWithAgeDrink(3) should equal "drink toddy"
 - > peopleWithAgeDrink(2) should equal "drink toddy"
 - > peopleWithAgeDrink(19) should equal "drink beer"
 - > peopleWithAgeDrink(15) should equal "drink coke"
 - > peopleWithAgeDrink(30) should equal "drink whisky"
 - > peopleWithAgeDrink(18) should equal "drink beer"
 - > peopleWithAgeDrink(21) should equal "drink whisky"

Solution

```
1 function peopleWithAgeDrink(old) {  
2   return | old < 14 ? "drink toddy" :  
3   | old < 18 ? "drink coke" :  
4   | old < 21 ? "drink beer" : "drink whisky"  
5 };
```

Correctamundo! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")  
2  
3 describe("Basic tests", () => {  
4   it("Testing for fixed tests", () => {  
5     assert.strictEqual(peopleWithAgeDrink(22), 'drink whisky');  
6   })  
7 })
```

Kata Training

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8 kyu Leonardo Dicaprio and Oscars

☆ 91 ⚡ 40 ✅ 85% of 2027 @ 6,705 of 15,077 P3zhman ▲ 3 Issues Reported

Instructions Output

Time: 785ms Passed: 1 Failed: 0

Test Results:

- Tests
 - > test

Completed in 1ms

You have passed all of the tests! :)

Solution

```
1 function leo(oscar) {  
2   return oscar === 86 ? "Leo finally won the oscar! Leo is happy!" :  
3     oscar === 86 ? "Not even for Wolf of wallstreet?!" :  
4     oscar > 88 ? "Leo got one already!" :  
5     "When will you give Leo an Oscar?";  
6 }  
7
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("Tests", () => {  
4   it("test", () => {  
5     Test.assertEquals(leo(80),"Leo got one already!");  
6     Test.assertEquals(leo(88),"Leo finally won the oscar! Leo is happy!");  
7     Test.assertEquals(leo(87),"When will you give Leo an Oscar?");  
8     Test.assertEquals(leo(86),"Not even for Wolf of wallstreet?");  
9   });  
10});  
11
```

Kata Training

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8 kyu Switch/Case - Bug Fixing #6

☆ 101 ⚡ 43 ✅ 90% of 1,378 @ 6,937 of 11,413 mattc ▲ 1 Issue Reported

Instructions Output

Time: 632ms Passed: 50 Failed: 0

Test Results:

- Fixed Tests
 - Test Passed: Value == 2
 - Test Passed: Value == 0
 - Test Passed: Value == 1
 - Test Passed: Value == 1
 - Test Passed: Value == 0
 - Test Passed: Value == 1
- Random Tests
 - + Tests (5 of 5 Assertions)
 - Tests (5 of 5 Assertions)
 - / Tests (5 of 5 Assertions)
 - * Tests (5 of 5 Assertions)
 - % Tests (5 of 5 Assertions)
 - ^ Tests (5 of 5 Assertions)
 - Random Tests (14 of 14 Assertions)

Completed in 4ms

You have passed all of the tests! :)

Solution

```
1 function evalObject(value){  
2   var result = 0;  
3   switch(value.operation){  
4     case '+': result = value.a + value.b;  
5     break;  
6     case '-': result = value.a - value.b;  
7     break;  
8     case '/': result = value.a / value.b;  
9     break;  
10    case '*': result = value.a * value.b;  
11    break;  
12    case '%': result = value.a % value.b;  
13    break;  
14    case '^': result = Math.pow(value.a, value.b);  
15  }  
16  return result;  
17}
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 describe('Fixed Tests', () => {  
2   Test.assertEquals(evalObject({a:1,b:1,operation:'+'}), 2, 'Return the evaluated string as a number!');  
3   Test.assertEquals(evalObject({a:1,b:1,operation:'-'}), 0, 'Return the evaluated string as a number!');  
4   Test.assertEquals(evalObject({a:1,b:1,operation:'/'}), 1, 'Return the evaluated string as a number!');  
5   Test.assertEquals(evalObject({a:1,b:1,operation:'*'}), 1, 'Return the evaluated string as a number!');  
6   Test.assertEquals(evalObject({a:1,b:1,operation:'%'}) , 0, 'Return the evaluated string as a number!');  
7   Test.assertEquals(evalObject({a:1,b:1,operation:'^'}), 1, 'Return the evaluated string as a number!');  
8 });  
9
```

Loops

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

8 kyu Sentence Smash

☆ 889 ⚡ 231 ↗ 91% of 8.859 ⚡ 61,072 of 139,185 🏆 richardhsu ⚡ 1 Issue Reported

Instructions Output

Time: 781ms Passed: 4 Failed: 0

Test Results:

- smash
 - > Should return empty string for empty array.
 - > One word example should return the word.
 - > Multiple words should be separated by spaces.
 - > Random tests

Completed in 7ms

You have passed all of the tests! :)

Solution

```
1 function smash (words) {  
2   return words.join(" ")  
3 };
```

Impressive! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("smash", () => {  
6   it ("Should return empty string for empty array.", () => {  
7     assert.strictEqual(smash([]), "");  
8   });  
9   it ("One word example should return the word.", () => {  
10     assert.strictEqual(smash(["hello"]), "hello");  
11   });  
12   it ("Multiple words should be separated by spaces.", () => {  
13     assert.strictEqual(smash(["hello", "world"]), "hello world");  
14   });  
15 });  
16  
17
```

SKIP UNLOCK SOLUTIONS DISCUSS (70) RESET TEST SUBMIT

Kata Training

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8 kyu If you can't sleep, just count sheep!!

☆ 1025 ⚡ 257 ↗ 93% of 7,746 ⚡ 43,822 of 109,998 🏆 joshra

Instructions Output

Time: 745ms Passed: 2 Failed: 0

Test Results:

- Fixed tests
 - > Testing for fixed tests
- Random tests
 - > Testing for 100 random tests

Completed in 1ms

Completed in 3ms

You have passed all of the tests! :)

Solution

```
1 var countSheep = function (num){  
2   //our code here  
3   var numbers=[];  
4   var count ="";  
5   for(let i=1 ; i<=num ;i++){  
6     numbers.push(i)  
7   }  
8   for ( let j of numbers){  
9     count += `${j} sheep...`  
10  }  
11  return count  
12 };
```

Correctamundo! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Fixed tests", () => {  
6   it("Testing for fixed tests", () => {  
7     assert.strictEqual(countSheep(0), "");  
8     assert.strictEqual(countSheep(1), "1 sheep...");  
9     assert.strictEqual(countSheep(2), "1 sheep...2 sheep...");  
10    assert.strictEqual(countSheep(3), "1 sheep...2 sheep...3 sheep...");  
11  });  
12});
```

Kata Training

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

8 kyu Double Char

☆ 679 ⚡ 216 ≈ 93% of 6,155 @ 39,724 of 84,355 Alpri Else

Instructions Output

Time: 779ms Passed: 2 Failed: 0

Test Results:

- doubleChar
 - > works for some examples
 - > works for random strings

Completed in 2ms

You have passed all of the tests! :)

Solution

```
1 function doubleChar(str) {  
2   let letters = str.split("");  
3   const doubled = letters.map(l => l + l).join("");  
4   return doubled;  
5 }  
6  
7
```

Correctamundo! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const Test = require('@codewars/test-compat');  
2  
3 describe("doubleChar", function() {  
4   it("works for some examples", function() {  
5     Test.assertEquals(doubleChar("abcd"), "aabbcdd");  
6     Test.assertEquals(doubleChar("Adidas"), "AAddiddaass");  
7     Test.assertEquals(doubleChar("113355"), "111333555");  
8     Test.assertEquals(doubleChar("illuminati"), "iillilluummiiinnaattii");  
9     Test.assertEquals(doubleChar("123456"), "112233445566");  
10    Test.assertEquals(doubleChar("%^&(`"), "%^%^&&(`");  
11  });  
12});  
13
```

Kata Training

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

8 kyu Unfinished Loop - Bug Fixing #1

☆ 233 ⚡ 101 ↗ 88% of 4,658 @ 20,052 of 42,782 mattc ▲ 4 Issues Reported

Instructions Output

Time: 799ms Passed: 1 Failed: 0

Test Results:

- Fix Timmys Counter
 - Fixed TestsCompleted in 2ms

You have passed all of the tests! :)

Solution

```
1 function createArray(number){  
2     var newArray = [];  
3  
4     for(var counter = 1; counter <= number;counter++){  
5         newArray.push(counter);  
6     }  
7  
8     return newArray;  
9 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Fix Timmys Counter", function() {  
6     it("Fixed Tests", function() {  
7         assert.deepEqual(createArray(1), [1]);  
8         assert.deepEqual(createArray(2), [1,2]);  
9         assert.deepEqual(createArray(3), [1,2,3]);  
10        assert.deepEqual(createArray(4), [1,2,3,4]);  
11        assert.deepEqual(createArray(5), [1,2,3,4,5]);  
12    });  
13});
```

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

7 kyu Sum of numbers from 0 to N

☆ 347 ⚡ 71 ↗ 76% of 2,851 @ 5,619 of 21,075 Javatlacati ▲ 3 Issues Reported

Instructions Output

Time: 750ms Passed: 3 Failed: 0

Test Results:

- Tests
 - Testing for fixed tests
 - Negative and zero tests
 - Random testsCompleted in 3ms

You have passed all of the tests! :)

Solution

```
1 var SequenceSum = (function() {  
2     function SequenceSum() {}  
3  
4     SequenceSum.showSequence = function(count) {  
5         let result = '';  
6         let sum = 0;  
7  
8         if (count < 0) {  
9             result = count + '<0';  
10        } else if (count === 0) {  
11            result = '0=0';  
12        } else {  
13            for (let i = 0; i <= count; i++) {  
14                result += i + '+';  
15                sum += i;  
16            }  
17            // Retirer le dernier '+' de la chaîne résultante  
18            result = result.slice(0, -1);  
19            result += ' = ' + sum;  
20        }  
21  
22        return result;  
23    }  
24};
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 describe("Tests", () => {  
6     it("test", () => {  
7         assert.strictEqual(SequenceSum.showSequence(6),"0+1+2+3+4+5+6 = 21")  
8     });  
9});  
10
```

SKIP UNLOCK SOLUTIONS DISCUSS (66) RESET TEST SUBMIT

#Changing Gears

Kata Training

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6 kyu Multiples of 3 or 5

☆ 3826 ⚡ 684 ↗ 88% of 38.098 ⚡ 124,440 of 400,090 🏆 jhoffner 🚧 2 Issues Reported

Instructions Output

Time: 849ms Passed: 111 Failed: 0

Test Results:

- basic tests
 - n=10
 - n=20
 - n=200
- smallest cases
 - n=1
 - n=0
 - n=1
 - n=2
 - n=3
 - n=4
 - n=5
 - n=6
- random cases
 - n=1544
 - n=97

Completed in 1ms

Solution

```
1 function solution(number){  
2     var total = 0;  
3     if (number<0){ return 0};  
4     else{  
5         for (let i=0;i<number;i++){  
6             if((i%3==0 || i%5==0)){  
7                 total += i;  
8             }  
9         }  
10    return total;  
11 }  
12 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const { assert } = require("chai")  
2  
3 function test(n, expected) {  
4     it(`n=${n}`, () => {  
5         let actual = solution(n);  
6         assert.strictEqual(actual, expected)  
7     })  
8 }  
9  
10 describe("basic tests", function(){  
11     test(10,23)  
12 })
```

Kata Training

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

6 kyu Sum of Digits / Digital Root

☆ 4363 ⚡ 833 ↗ 90% of 23.837 ⚡ 85,767 of 260,730 🏆 user578387 🚧 2 Issues Reported

Instructions Output

Time: 737ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - Should pass basic tests
 - Should pass random tests

Completed in 0ms

You have passed all of the tests! :)

Solution

```
1 function digital_root(n) {  
2     //  
3     let result = 0;  
4     String(n).split('').map(num => {  
5         result += Number(num);  
6     });  
7     return result >= 10 ? digital_root(result) : result;  
8 }  
9 
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 describe("Tests", () => {  
2     it('test', () => {  
3         Test.assertEquals(digital_root(16), 7 )  
4         Test.assertEquals(digital_root(456), 6 )  
5     });
6 });
7 }
```

Kata Training

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6 kyu Who likes it?

☆ 4882 ⚡ 919 ✅ 86% of 26,836 🏆 126,773 of 322,773 🔔 BattleRattle

Instructions Output

Time: 711ms Passed: 5 Failed: 0

Test Results:

- static tests
 - > should return correct text
- random tests
 - > should return correct text for 1 name
 - > should return correct text for 2 names
 - > should return correct text for 3 names
 - > should return correct text for 4 or more names

Completed in 1ms

Completed in 2ms

You have passed all of the tests! :)

JavaScript Nodev18.x VIM EMACS

Solution

```
1 function likes(names) {
2     // TODO
3     if (names.length === 0){
4         return 'no one likes this';
5     }else if (names.length==1){
6        return names[0] + ' likes this' ;
7    }else if(names.length==2){ return names[0]+ ' and '+names[1]+' like this'}else
8    if(names.length==3){return names[0]+', '+names[1]+ ' and '+names[2]+ ' like this'}
9    else {
10        let x =names.length-2;
11        return names[0]+', '+names[1]+ ' and ' +x+' others like this'
12    }
13 }
```

Excellent! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe('example tests', function() {
6     it('should return correct text', function() {
7         assert.strictEqual(likes([]), 'no one likes this');
8         assert.strictEqual(likes(['Peter']), 'Peter likes this');
9         assert.strictEqual(likes(['Jacob', 'Alex']), 'Jacob and Alex like this');
10        assert.strictEqual(likes(['Max', 'John', 'Mark']), 'Max, John and Mark like this');
11        assert.strictEqual(likes(['Alex', 'Jacob', 'Mark', 'Max']), 'Alex, Jacob and 2 others like this');
12    });
13 });
```

Kata Training

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

6 kyu Find The Parity Outlier

☆ 2799 ⚡ 526 ↗ 91% of 19,233 ⚡ 68,195 of 205,245 🔍 obnounce 🔍 2 Issues Reported

Instructions Output

Time: 743ms Passed: 32 Failed: 0

Test Results:

- Tests
 - Simple tests
 - More complex tests
- Completed in 2ms
- Random tests
 - Testing for 69262439,129085587,10384441,196081875,14030587,-103364263,83684638,61252509,17851
 - Testing for 37685377,192199608,140927613,141647863,124433367,78122539,123965107,109485757,-9
 - Testing for -49654142,159983336,120990930,166695846,124835726,118297622,-183688162,28764216,11
 - Testing for 197882941,191878535,-117190369,153814691,-159113225,-187637519,-11044625,112299383
 - Testing for 584680411,94950763,-75761477,19834779,22810493,165959794,-18316837,129011743,26891
 - Testing for -121783059,198091039,163373811,32969737,-43399195,-187626935,39332961,-64095153,27
 - Testing for 47046406,7195982,9006084,-61275933,10509842,-61948274,-18788400,104496332,-192763

Solution

```

4   let oddOutlier, evenOutlier;
5   // Iterate through the first three numbers to determine their parities
6   for (let i = 0; i < 3; i++) {
7     if (integers[i] % 2 === 0) {
8       evenCount++;
9       evenOutlier = integers[i];
10    } else {
11      oddCount++;
12      oddOutlier = integers[i];
13    }
14  }
15
16  // Determine the outlier based on the parity counts
17  let isOddOutlier = oddCount > 1;
18  for (let i = 3; i < integers.length; i++) {
19    if ((isOddOutlier && integers[i] % 2 === 0) || (!isOddOutlier && integers[i] % 2 !== 0)) {
20      return integers[i];
21    }
22  }
23
24  // Return the outlier number
25  return isOddOutlier ? evenOutlier : oddOutlier;

```

Great! You may take your time to refactor/comment your solution. Submit when ready.

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6 kyu Stop gninnipS My sdroW!

☆ 3312 ⚡ 579 ↗ 91% of 25,308 ⚡ 92,962 of 261,210 🔍 xDranik 🔍 5 Issues Reported

Instructions Output

Time: 801ms Passed: 2 Failed: 0

Test Results:

- Spinning words
 - Fixed tests
 - Random tests
- Completed in 4ms

You have passed all of the tests! :)

Solution

```

1 function spinWords(string){
2   //TODO Have fun :)
3   var words = string.split(" ");
4   var newwords="";
5   for( let i of words){
6     if(i.length >= 5){
7       newwords+= i.split("").reverse().join("")+" ";
8     }else(newwords+= i+" ")
9   }
10 }
11
12 return newwords.trim();
13

```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```

1 const chai = require("chai");
2 const assert = chai.assert;
3
4 describe("Spinning words", ()=>{
5   it("should work", ()=>{
6     assert.strictEqual(spinWords("Welcome"), "emocleW");
7     assert.strictEqual(spinWords("Hey fellow warriors"), "Hey wollef sroirraw");
8     assert.strictEqual(spinWords("This is a test"), "This is a test");
9     assert.strictEqual(spinWords("This is another test"), "This is rehtona test");
10    assert.strictEqual(spinWords("You are almost to the last test"), "You are tsosla to the last test");
11    assert.strictEqual(spinWords("Just kidding there is still one more"), "Just kidding there is llits one more");
12    assert.strictEqual(spinWords("Seriously this is the last one"), "Sreuliyos this is the last one");
13  });
14

```

#Fire At Will

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7 kyu Sort the Gift Code

☆ 135 ⚡ 30 ↗ 93% of 1,844 ⚡ 7,682 of 17,716 ✅ xDranik

Instructions Output

Time: 599ms Passed: 10 Failed: 0

Test Results:

- Test Passed: Value == 'abcdefghijklmnopqrstuvwxyz'
- Test Passed: Value == 'bcdefghijklmnopqrstuvwxyz'
- Test Passed: Value == 'bv'
- Test Passed: Value == 'bcdehilmnortuvwxyz'
- Test Passed: Value == 'aehkmmuv'
- Test Passed: Value == 'bcgehjknotuz'
- Test Passed: Value == 'ghjxz'
- Test Passed: Value == 'aghijklpqty'
- Test Passed: Value == 'acdeghijklmnopqrstuvwxyz'
- Test Passed: Value == 'abcdefhijklmnopqrstuvwxyz'

Log

Congratulations and Happy Holidays from xDranik!

You have passed all of the tests! :)

Solution

```
1 // function sortGiftCode(code){  
2 //   //TODO  
3 //   return code.split('').sort().join('');  
4 // }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 // describe("Tests", () => {  
2 //   if('test' === 'test'){  
3 //     Test.assertEquals(sortGiftCode('abcdef'), 'abcdef');  
4 //     Test.assertEquals(sortGiftCode('pqksuvy'), 'kqpqsuvy');  
5 //     Test.assertEquals(sortGiftCode('zyxwvutsrqponmlkjihgfedcba'), 'abcdefghijklmnopqrstuvwxyz');  
6 //   }  
7 //});  
8
```

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8 kyu Sum The Strings

☆ 389 ⚡ 94 ↗ 92% of 4,671 ⚡ 25,662 of 50,506 ✅ K-Calderon-ASC ⚡ 1 Issue Reported

Instructions Output

Time: 768ms Passed: 3 Failed: 0

Test Results:

- Basic tests
 - Tests example test cases
 - Tests empty string cases
 - Tests random cases

Completed in 2ms

You have passed all of the tests! :)

Solution

```
1 function sumStr(a,b) {  
2   if(a === "" && b !== ""){  
3     let an=parseInt(a);  
4     let bn=parseInt(b);  
5     let sum = an+bn;  
6     return sum.toString();}else if(a===" " && b !== ""){return b;}else if(a===" " && b === "") {return a;}else{  
7     return "0"  
8   }  
9 }
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");  
2 const assert = chai.assert;  
3 chai.config.truncateThreshold=0;  
4  
5 // describe("Basic tests", () => {  
6 //   it("Tests example test cases", () => {  
7 //     assert.strictEqual(sumStr("4","5"), "9");  
8 //     assert.strictEqual(sumStr("34","5"), "39");  
9 //   });  
10 //});  
11
```

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7 kyu Beginner Series #3 Sum of Numbers

☆ 2318 ⚡ 462 ↗ 88% of 16,120 @ 68.304 of 198,371 🔍 Vortus ⚡ 1 Issue Reported

Instructions Output

Time: 805ms Passed: 2 Failed: 0

Test Results:

- Basic tests
 - > Testing for fixed tests
 - > Testing for 100 random tests

Completed in 5ms

You have passed all of the tests! :)

Solution

```
1 function getSum(a, b)
2 {
3     //Good luck!
4     if(a==b){return a}else if(b>a){
5         var sum=0;
6         for(let i=a ; i<b;i++){
7             sum += i
8         }
9         return sum
10    }else if(a>b){} var sum= 0;
11    for(let i=b ; i<a;i++){
12        sum += i
13    }
14    return sum
15}
16 }
```

Correct! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
1 const chai = require("chai");
2 const assert = chai.assert;
3 chai.config.truncateThreshold=0;
4
5 describe("Basic tests", () => {
6     it("Testing for fixed tests", () => {
7         assert.strictEqual(getSum(0,-1), -1);
8         assert.strictEqual(getSum(0, 1), 1);
9         assert.strictEqual(getSum(2, 2), 2);
10    });
11});
```

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6 kyu Grasshopper - Combine strings

☆ 85 ⚡ 37 ↗ 91% of 2.257 ⚡ 8.551 of 19.310 🔒 danleavitt0

Instructions Output

Time: 778ms Passed: 2 Failed: 0

Test Results:

- combine names
 - fixed tests
 - random tests

Completed in 3ms

You have passed all of the tests! :)

Solution

```
// Create the combineNames function here
function combineNames(firstname, lastname)
{
  return `${firstname} ${lastname}`;
}
```

Outstanding! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const Test = require('@codewars/test-compat');

describe("Tests", () => {
  it("test", () => {
    Test.assertEquals(combineNames('James', 'Stevens'), 'James Stevens');
  });
});
```

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6 kyu Creating a string for an array of objects from a set of words

☆ 34 ⚡ 10 ↗ 72% of 283 ⚡ 598 of 1.049 🔒 Vorgue

Instructions Output

Time: 874ms Passed: 1 Failed: 0

Test Results:

- Tests
 - test

Completed in 5ms

You have passed all of the tests! :)

Solution

```
function wordsToObject(input) {
  var array = input.split(" ");
  var result = [];
  for(var i=0;i<array.length;){
    var str = '{name : "' + array[i] + '", id : "' + array[i+1] + '"}';
    result.push(str);
    i+=2;
  }
  return "[" + result.join(", ") + "]";
}
```

Great! You may take your time to refactor/comment your solution. Submit when ready.

Sample Tests

```
const Test = require('@codewars/test-compat');

describe("Tests", () => {
  it("test", () => {
    Test.assertEquals(wordsToObject("red 1 yellow 2 black 3 white 4"), "[{name : 'red', id : '1'}, {name : 'yellow', id : '2'}, {name : 'black', id : '3'}, {name : 'white', id : '4'}]");
  });
});
```