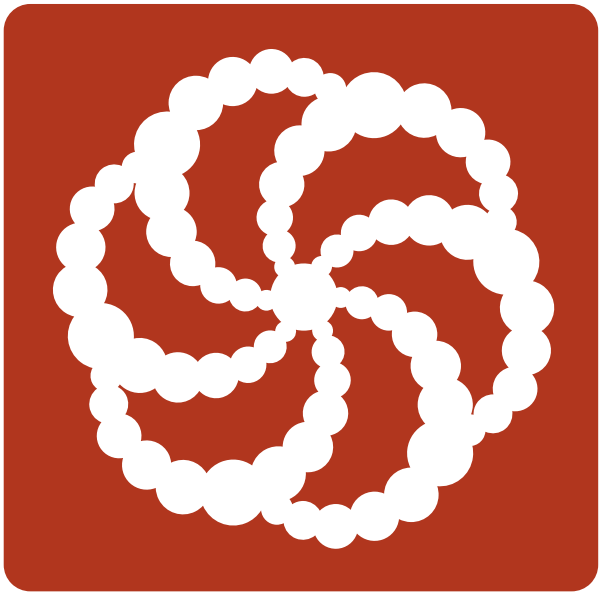
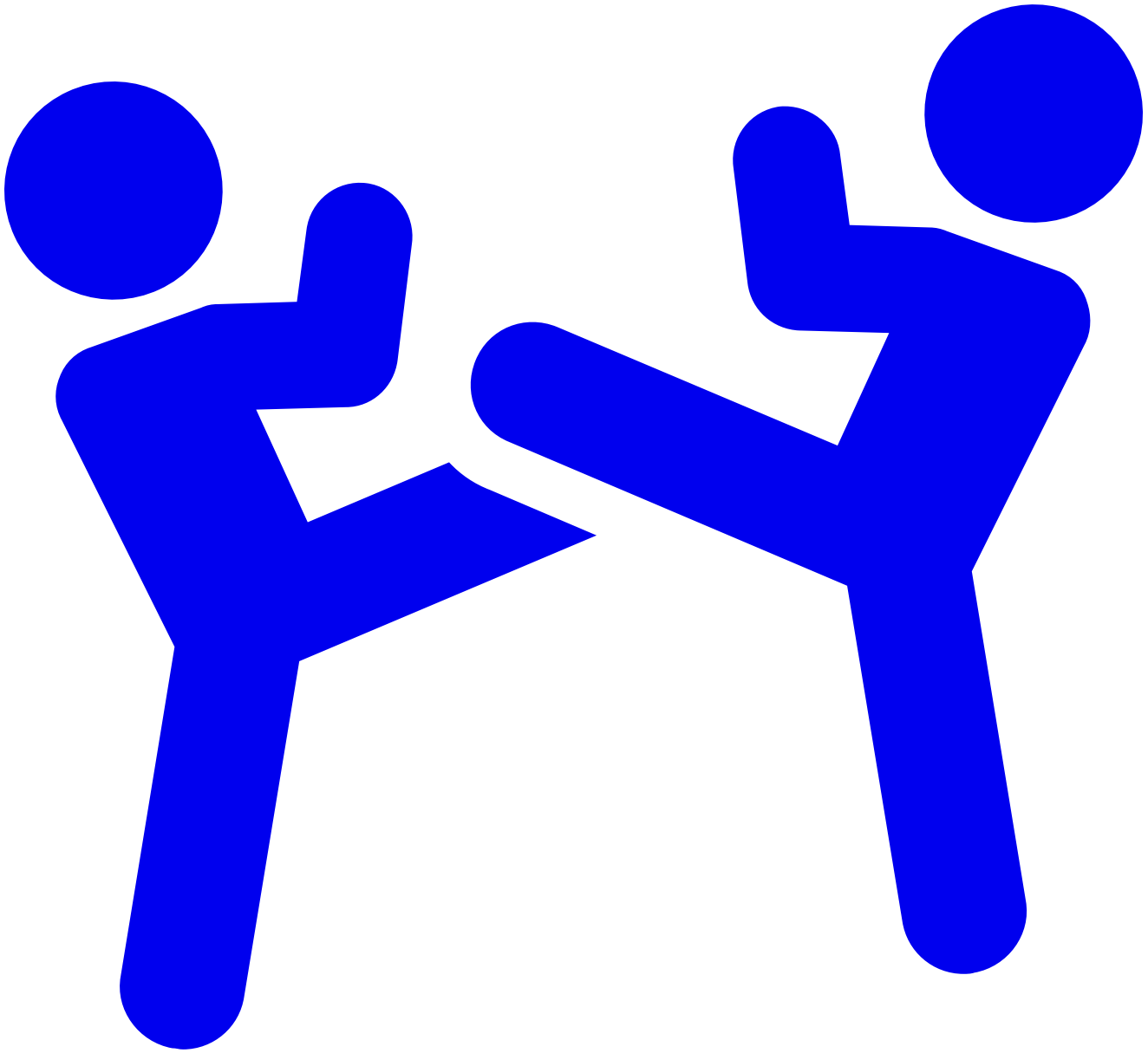
- 

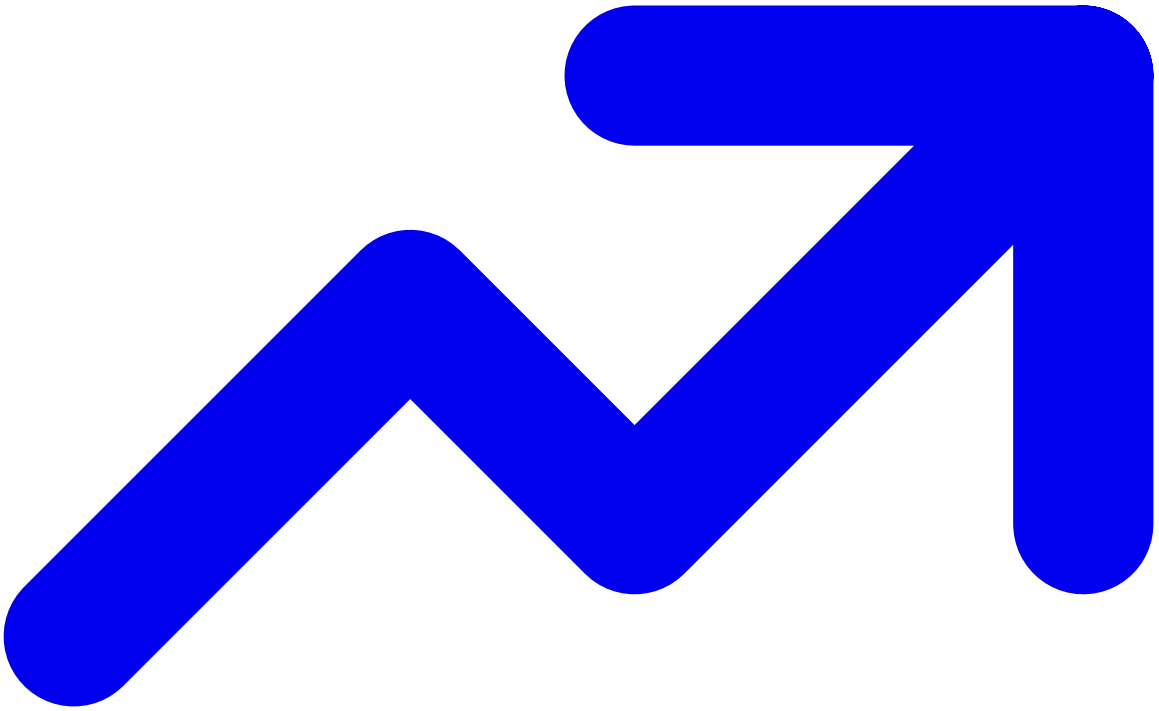
Home
Report home for your next assignment
- Training
-

Practice
Complete challenging **Kata** to earn honor and ranks. Re-train to hone technique

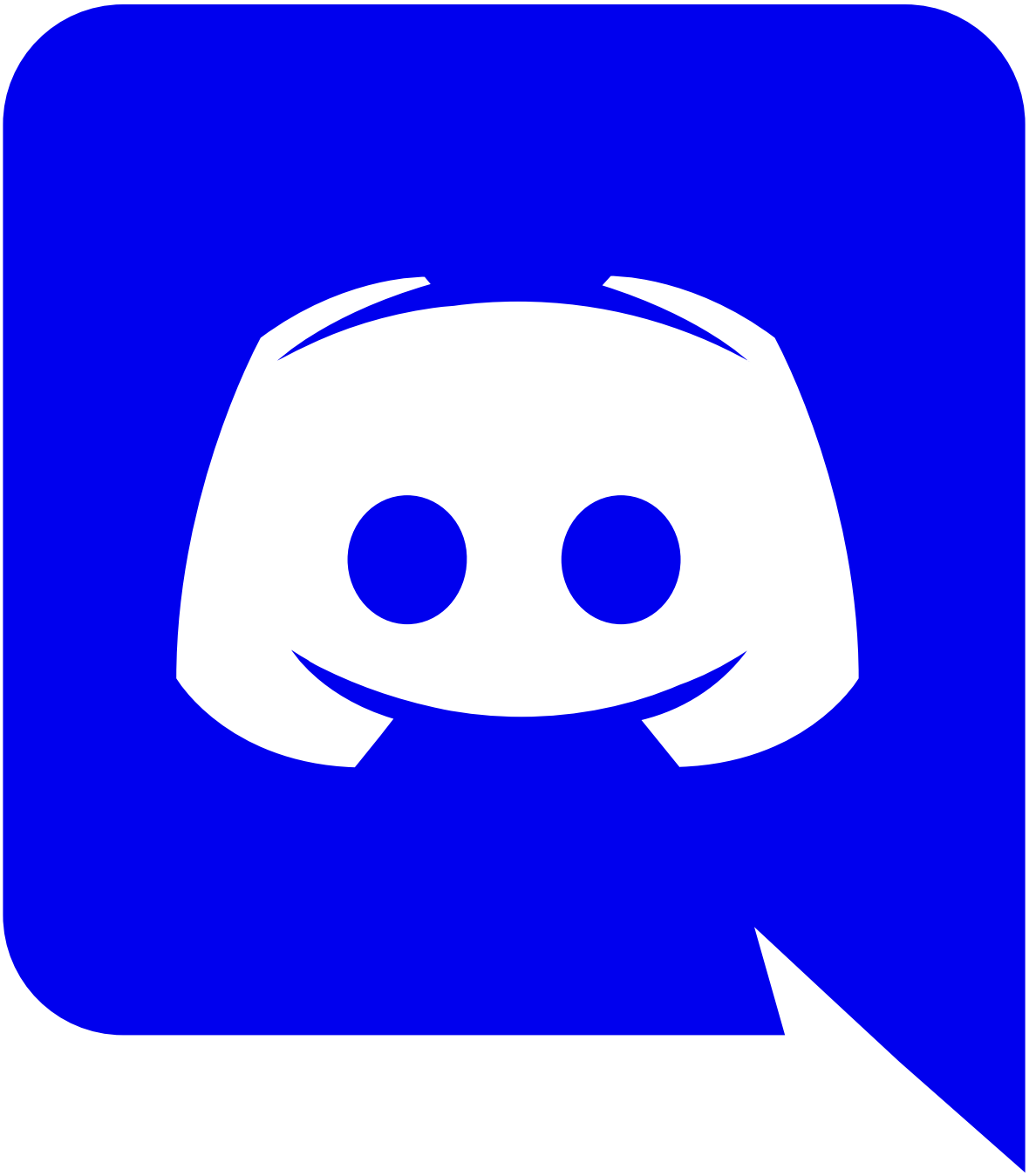


Freestyle Sparring
Take turns remixing and refactoring others code through **Kumite**

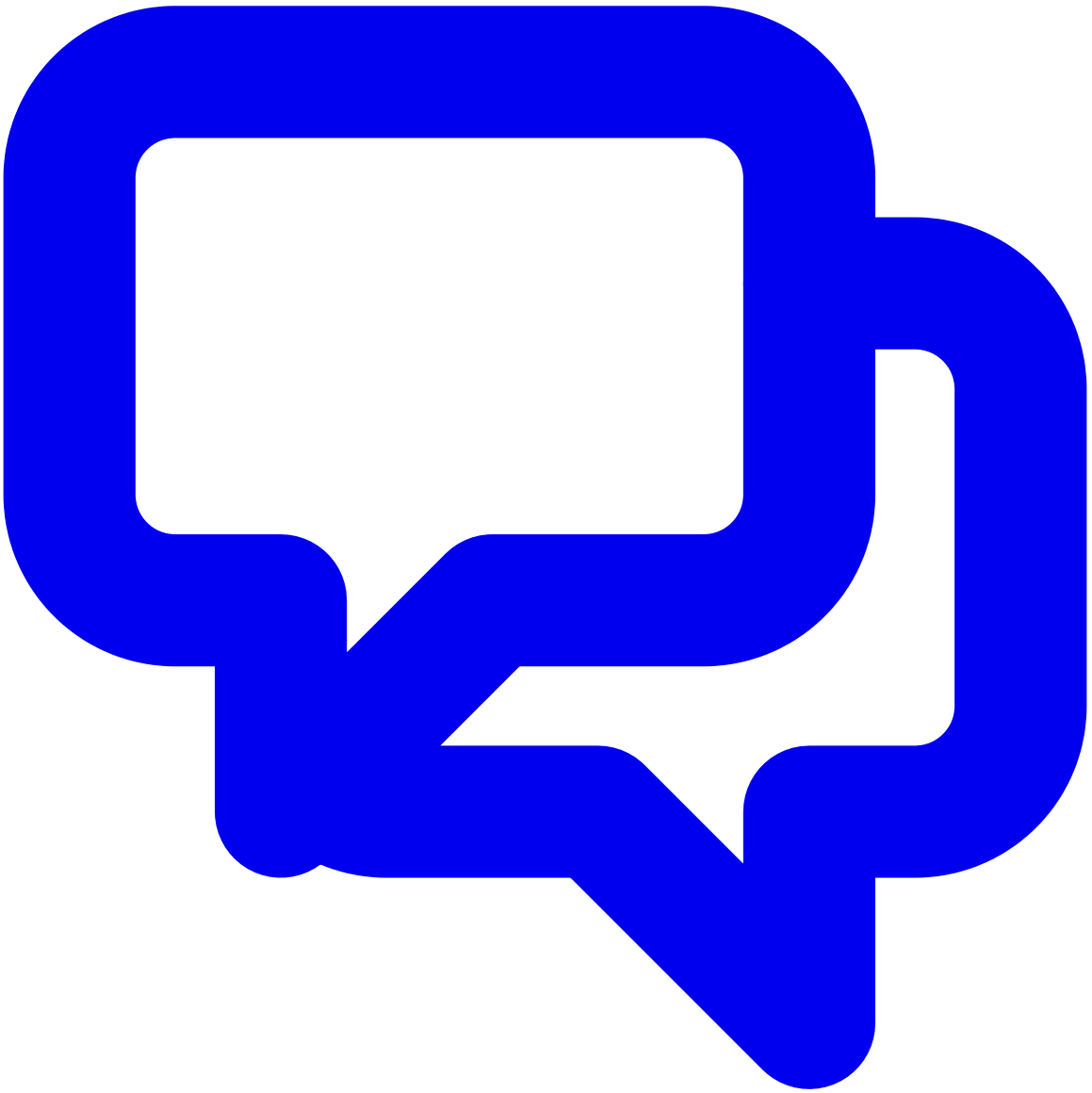
- Community
-



Leaderboards
Achieve honor and move up the global leaderboards

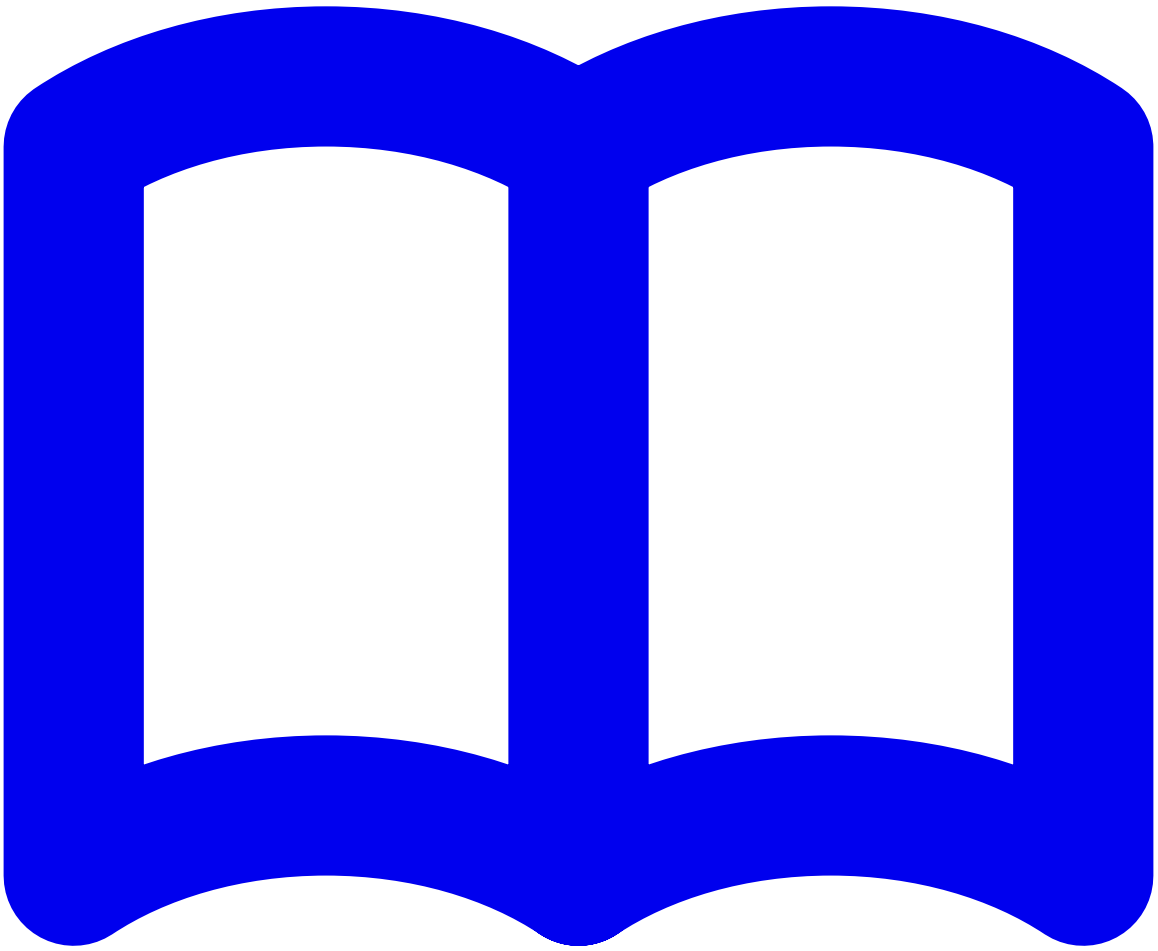


Chat
Join our **Discord** server and chat with your fellow code warriors

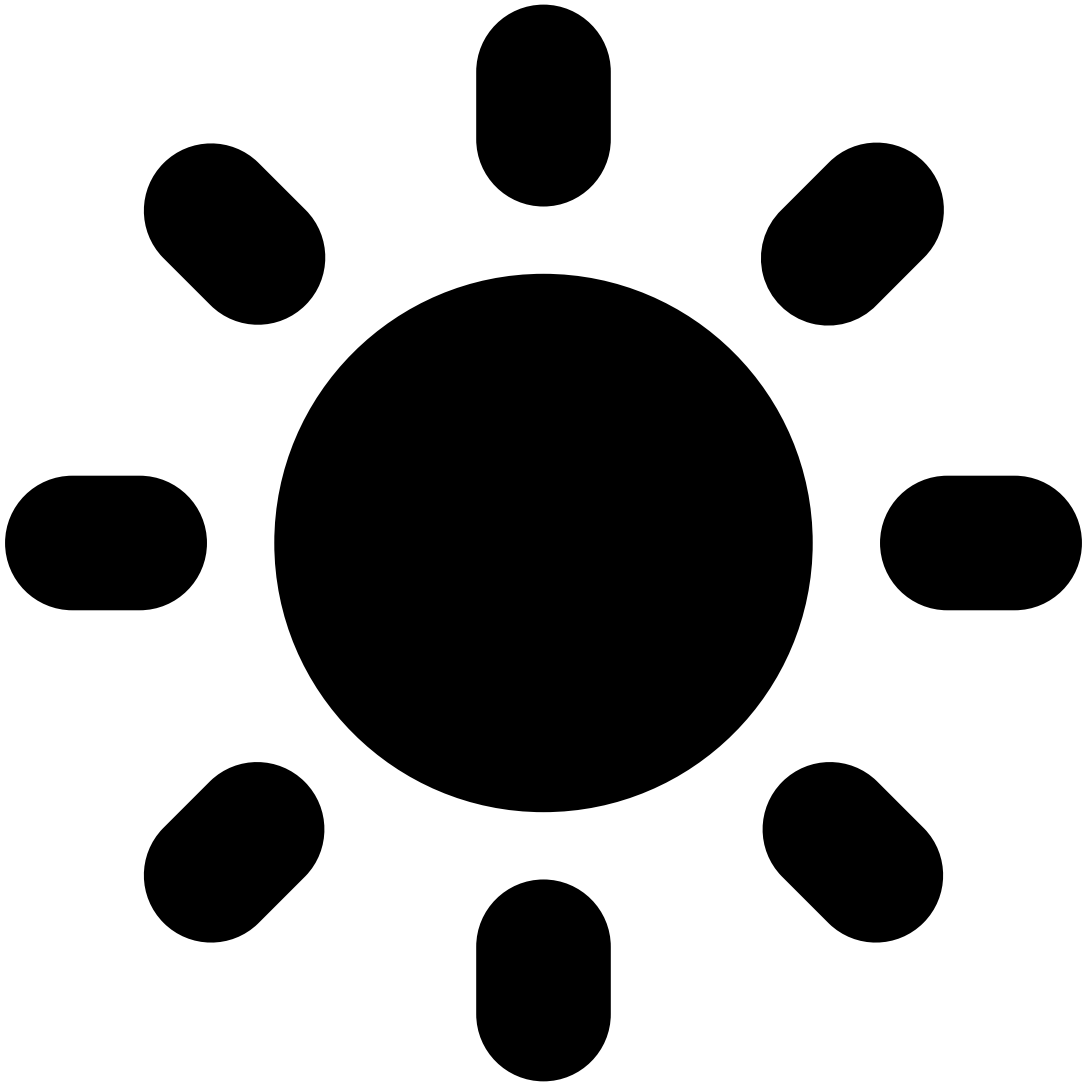


Discussions
View our **Github Discussions** board to discuss general Codewars topics

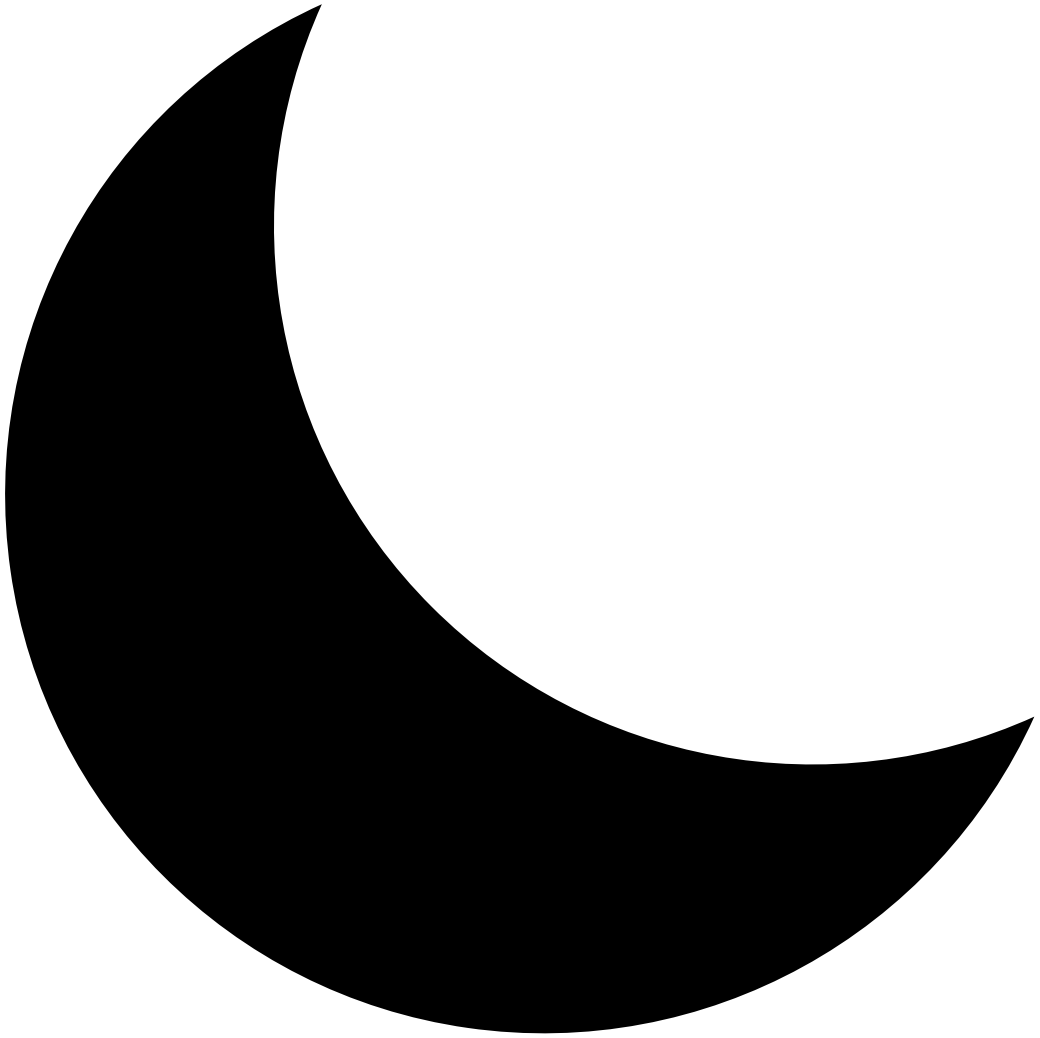
- About
-



Docs
Learn about all of the different aspects of Codewars



.



- 6 kyu
  Simple reversed parenthesis
- Beta
  Shorten composite Full Name
- 6 kyu
  Encrypt this!
- 7 kyu
  Simple string reversal
- Beta
  Matrix Weight
- 7 kyu
  Is valid identifier?

You do not have any notifications

Case

kyu

3 kyu Number Of Occurrences

3,392

- View Profile
- Account Settings
- Training Setup
- Upgrade to Red
- New Kata
- New Kumite
- Sign out

6 kyu

Sort odd and even numbers in different order

7 kyu

st can the burglar steal all the diamonds?

Beta

3 kyu andreapt82 3,392 3 kyu andreapt82 3,392

Name: André Terceiro
Clan: None
Skills:ruby, php, python, javascript, .net, groovy
Member Since: Jun 2015
Last Seen: Feb 2023
Profiles:

6 kyu

Same parity (2 * 2)

Beta

Verify if it's valid (n x n) Magic Square with custom rules

Following:572
Followers:548
Allies:547

7 kyu

View Profile Badges

Learning TypeScript. Classes & Interfaces. Getters

Earn extra honor and gain new allies!

Honor is earned for each new codewarrior who joins.
Learn more

8 kyu

Training JS #6: Basic data types--Boolean and conditional statements if, else

Use the referral URL to invite your friends to Codewars. Once they complete the initiation and confirm their account, you will be awarded honor.

www.codewars.com/r/ZpBPkg

Beta

Your Referrals:

Practicing - Structural Pattern Matching

edu_ktemail un-confirmed

6 kyu

ys and hex codes

7 kyu

Exe e nTime

7 kyu

8 Reasons Why Coding Challenges Are Changing with Codewars

Not everyone trains the same. Discover new ways to leverage Codewars in your education and career.

- Stats
- Kata
- Solutions
- Translations
- Collections
- Kumite
- Social
- Discourse

Beta

Is a point inside an random area...

Non-consecutive Pairs

- Completed (786)
- Unfinished
- Obsolete

7 kyu

7 kyu

Common Substrings

Substring Code Challenge #22

Ruby:

7 kyu

```
def substring_test(str1, str2)
  previous_index = nil
  ret = false
  ret1 = true
  ret2 = true
  str1.downcase!
  str2.downcase!

  return false if str1.empty? || str2.empty?
  str1.each_char { |char|
    index = str2.index(char)

    if !previous_index.nil? && (index == previous_index + 1)
      ret = true
    end
    previous_index = index
  }
  ret
end
```

Recursion #1 - Factorial

7 kyu

Odd-Even String Sort

7 kyu

Find the missing element between two arrays

6 kyu

- yesterday
- Refactor
- Discuss

Highest Scoring Word

7 kyu

4 kyu

Count the Digit

Template Haskell: Tuple maker

Ruby:

5 kyu

```
def nb_dig(n, d)
  numbers = []
  count_n = 0
```

```
  total_digit = 0

  while count_n <= n
    numbers.push count_n * count_n
    count_n += 1
  end

  numbers.each {|number|
    total_digit += (number.to_s).count(d.to_s)
  }

  total_digit
end
```

- 5 days ago
- Refactor
- Discuss

7 kyu
Debug Sum of Digits of a Number

JavaScript:

```
function getSumOfDigits(integer) {
  let stringOfInteger = integer + "";
  let sum = null;
  const digits = stringOfInteger.split("");

  for (let digit of digits) {
    sum += parseInt(digit);
  }

  return sum;
}
```

- 5 days ago
- Refactor
- Discuss

7 kyu
The unknown but known variables: Addition

JavaScript:

```
function theVar(theVariables) {
    let a = theVariables.charCodeAt(0)-96;
    let b = theVariables.charCodeAt(2)-96;

    return a + b;
}
```

- 8 days ago
- Refactor
- Discuss

7 kyu
Especially Joyful Numbers

PHP:

```
function number_joy(int $n): bool {
  $numbers = str_split($n, 1);

  $sumNumbers = array_sum($numbers);
  $sumNumbersReversed = (int) strrev('' . $sumNumbers);

  return $sumNumbers * $sumNumbersReversed == $n;
}
```

- 10 days ago
- Refactor
- Discuss

8 kyu
simple calculator

PHP:

```
function calculator($a, $b, $sign) {
  if (! is_float($a) && ! is_integer($a)) {
    return "unknown value";
  }
  if (! is_float($b) && ! is_integer($b)) {
    return "unknown value";
  }

  var_dump($a);
  echo $b;
  echo $sign;
  echo "------";

  if ($sign != "+" && $sign != "-" && $sign != "*" && $sign != "/") {
    return "unknown value";
  }

  if ($sign == "+") {
    return $a + $b;
  }
  if ($sign == "-") {
    return $a - $b;
  }
  if ($sign == "*") {
    return $a * $b;
  }
  return $a / $b;
}
```

- 18 days ago
- Refactor
- Discuss

7 kyu
Discover The Original Price

Ruby:

```
def discover_original_price(discounted_price, sale_percentage)
  # original_price * (1 - sale_percentage/100.0) = discounted_price
  # original_price = discounted_price / (1 - sale_percentage/100.0)
  # Ex 1: 75 / (1 - 25/100)
  ret  = (((discounted_price / (1 - sale_percentage/100.0)) * 100).round) / 100.0
  ret
end
```

- 18 days ago
- Refactor
- Discuss

8 kyu
Even or Odd

String incrementer

5 kyu
Probabilities for Sums in Rolling Cubic Dice

8 kyu
Color Ghost

6 kyu
Count the smiley faces!

6 kyu
Keep hydrated!

7 kyu
Numbers to Letters

Retired
Convert milliseconds to readable time string

8 kyu
Learning TypeScript: Basic Types

4 kyu
Adding Big Numbers

7 kyu
Consecutive Vowels in a String

4 kyu
Fit Parentheses

Beta
Pull Popper

Retired
Generate guys (Easy version)

6 kyu
SQL Bug Fixing: Fix the QUERY - Totaling

5 kyu
SQL Statistics: MIN, MEDIAN, MAX

6 kyu
Consonant value

6 kyu
Consecutive strings

8 kyu
Simple Fun #352: Reagent Formula

7 kyu
Maximum Length Difference

6 kyu
Triangular Treasure

7 kyu
The dropWhile Function

6 kyu

JavaScript:

```
function even_or_odd(number) {
 if (typeof(number) != "number") {
   return null;
 }

 if (Math.abs(number) % 2 == 1) {
   return "Odd";
 }

 return "Even";
}
```

- 6 years ago
- Refactor
- Discuss

```
function even_or_odd(number) {
  if (number & 1 == 1) {
    return "Odd";
  }
  return "Even";
}
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function even_or_odd($number) {
  if (abs($number) % 2 == 1) {
    return "Odd";
  }
  return "Even";
}
```

- 19 days ago
- Refactor
- Discuss

7 kyu
Count consonants

Ruby:

```
def consonant_count(str)
  total = 0
  str.downcase!
  str.each_char{|c|
    total += 1 if c != "a" && c != "e" && c != "i" && c != "o" && c != "u" && c != " " && c.ord > 95 && c.ord < 126
  }
  total
end
```

- 24 days ago
- Refactor
- Discuss

7 kyu
greetings with First Name AND Last Name

Ruby:

```
#using classes is good practice!

class Person
  def initialize(fn, ln)
    @first_name = fn
    @last_name = ln
  end

  def greet
    "Hello, #{@first_name} #{@last_name}!"
  end
end
```

- 25 days ago
- Refactor
- Discuss

6 kyu
Kebabize

Ruby:

```
def kebabize(str)
ret = ""
  str.each_byte do |c|
    if c >= 65 && c <= 90
      c = c + 32
      ret = ret + "-" + c.chr
    elsif (!(c >= 48 && c <=57))
      ret = ret + c.chr
    end
  end

  if ret[0] == "-"
    ret = ret[1..1000]
  end

  if str[-1] == "_"
    ret = ret[0..-1]
  end

  ret
end
```

- 25 days ago
- Refactor
- Discuss

7 kyu
Odd-Even String Sort

Ruby:

```
def sort_my_string(s)
    evens = []
    odds = []

    s.each_char.with_index(s.length){|char, index|
        if index % 2 == 0
          evens.push char
        else
          odds.push(char)
        end
    }

    if s.length % 2 == 0
      i = 0
      ret = ""
      while (i < evens.length)
```

```
    ret = ret + evens[i]
    i = i + 1
  end

  ret = ret + " "
  i = 0
  while (i < odds.length)
    ret = ret + odds[i]
    i = i + 1
  end
else
  i = 0
  ret = ""
  while (i < odds.length)
    ret = ret + odds[i]
    i = i + 1
  end

  ret = ret + " "
  i = 0
  while (i < evens.length)
    ret = ret + evens[i]
    i = i + 1
  end
end
  ret
end
```

- 29 days ago
- Refactor
- Discuss

7 kyu Simple Prime Number Generator
Sorting the Odd way!

Ruby:

```
def sort_it_out(array)
  odds = []
  evens = []

  array.each{|i|
    a = i
    i = i.to_i

    if i % 2 == 0
      evens.push a
    else
      odds.push a
    end
  }

  odds.sort.reverse
end
```

- last month
- Refactor
- Discuss

8 kyu
Multiply the number

JavaScript:

```
function multiply(number){
    let numberString = number + '';
    let possibleCoeficient = parseInt(numberString.length);
    let coeficient;
    if (number >= 0) {
      coeficient = possibleCoeficient;
    } else {
      coeficient = possibleCoeficient * 1;
    }
    return number * Math.pow(5, coeficient);
}
```

- 6 months ago
- Refactor
- Discuss

Ruby:

```
def multiply(n)
  n * 5 ** (n.abs.to_s.size.to_i)
end
```

- last month
- Refactor

```
def multiply(n)
  x = 0

  if n < 0
    x = 5 ** (n.to_s.length.to_i - 1)
  else
    x = 5 ** (n.to_s.length.to_i)
  end

  n * x
end
```

- 7 months ago
- Refactor
- Discuss

8 kyu
Multiply

JavaScript:

```
function multiply(a, b){
    return a * b;
}
```

- 4 years ago
- Refactor

```
function multiply(a, b){
  return a * b;
}
```

- 4 years ago
- Refactor

```
function multiply(a, b){
  return a * b
}
```

- 8 years ago
- Refactor

Python:

Create A dimensional array
6 kyu
Data Reverse
7 kyu
String Merge!
6 kyu
Make everyone happy :)
7 kyu
Simple Prime Number Generator
7 kyu
Strings: starts with
7 kyu
Collision Detection
7 kyu
Playing with Sets: Union
Retired
Joules to calories
Beta
Compare by value
7 kyu
Sum of squares less than some number
4 kyu
Next bigger number with the same digits
7 kyu
Ruby Functions #1: Define the "Each" Function
Retired
Function Count
7 kyu
Binary operations #1
5 kyu
Maximum subarray sum
Draft
Brackets can be made valid?
7 kyu
Shape Symmetry
Retired
Pascal's array index
7 kyu
Largest Square Inside A Circle
8 kyu

```
def multiply(a, b):
    return a * b
```

- 4 years ago
- Refactor

```
def multiply(a, b):
  return a * b
```

- 6 years ago
- Refactor

Java:

```
public class Multiply {
    public static Double multiply(Double a, Double b) {
        return a * b;
    }
}
```

- 6 years ago
- Refactor

PHP:

```
function multiply($a, $b) {
  return $a * $b;

}
```

- 5 years ago
- Refactor

```
function multiply($a, $b) {
  return $a * $b;
}
```

- 5 years ago
- Refactor

C:

```
int multiply(int a, char *b) {
  return a * (int)b;
}
```

- 4 years ago
- Refactor

```
int multiply(int a, int b) {
  return a * b;
}
```

- 4 years ago
- Refactor

Kotlin:

```
fun multiply(x:Double, y:Double):Double {
    return x * y;
}
```

- 4 years ago
- Refactor
- Discuss

Objective-C:

```
int multiply(int a, int b) {
  return a * b;
}
```

- 4 years ago
- Refactor
- Discuss

R:

```
mul <- function(a, b) {
  a * b;
}
```

- 8 months ago
- Refactor

```
mul <- function(a, b) {
  a * b # try to figure out why it doesn't work!
}
```

- 4 years ago
- Refactor

```
mul <- function(a, b) {
  result <- a * b;
}
```

- 4 years ago
- Refactor

TypeScript:

```
export function multiply(a, b){
 return a * b;
}
```

- 4 years ago
- Refactor
- Discuss

```
export function multiply(a, b){
  return a * b;
}
```

- 4 years ago
- Refactor

C#:

```
public class CustomMath {
    public static int multiply(int a, int b) {
        return a * b;
    }
}
```

- 4 years ago
- Refactor
- Discuss

How old will I be in 2099?
7 kyu

Upturn Numeral Triangle
7 kyu

Cat Years, Dog Years (2)
7 kyu

Sum of Triangular Numbers
8 kyu

Transportation on vacation
7 kyu

Merge two arrays
7 kyu

SevenAte9
7 kyu

Dean The Generous Tipper
7 kyu

Guns needs help! (Sums of a lot of numbers).
6 kyu

Twisted Sum

Go:

```
package multiply

func Multiply(a, b int) int {
  return a * b
}
```

- 4 years ago
- Refactor

```
package multiply

func Multiply(a, b int) int {
    return a * b
}
```

- 4 years ago
- Refactor

PowerShell:

```
function Multiply($a, $b) {
  return $a * $b;
}
```

- 4 years ago
- Refactor
- Discuss

```
function Multiply($a, $b) {
  return $a * $b
}
```

- 4 years ago
- Refactor

Solidity:

```
pragma solidity ^0.4.13;

contract DummyToken {
  function multiply(int a, int b) returns (int) {
    return a * b;
  }
}
```

- 3 years ago
- Refactor

```
pragma solidity ^0.4.13;

contract DummyToken {
  function multiply(int a, int b) returns (int) {
    return a * b;
  }
}
```

- 4 years ago
- Refactor
- Discuss

C++:

```
int multiply(int a, int b)
{
    return a * b;
}
```

- 4 years ago
- Refactor
- Discuss

Crystal:

```
def multiply(x, y)
  x * y
end
```

- 3 years ago
- Refactor

```
def multiply(x, y)
  return  x * y
end
```

- 3 years ago
- Refactor

Clojure:

```
(ns multiply.bug.fix)

(defn multiply [a, b]
 (* a b))
```

- 7 months ago
- Refactor
- Discuss

```
(ns multiply.bug.fix)

(defn multiply [a b]
 (* a b))
```

- 3 years ago
- Refactor

CoffeeScript:

```
multiply = (a, b) -> a * b
```

- 7 months ago
- Refactor
- Discuss

Dart:

```
int multiply(int a, int b) {
  return a * b;
}
```

- 2 years ago
- Refactor
- Discuss

Elixir:

```
defmodule Multiply do
  def multiply(a, b) do
    a * b
  end
end
```

- 3 years ago
- Refactor
- Discuss

```
defmodule Multiply do
  def multiply(a, b) do
    a * b;
  end
end
```

- 4 years ago
- Refactor

Elm:

```
module MultiplyBugFix exposing (..)

multiply : Int -> Int -> Int
multiply x y = x * y
```

- 4 years ago
- Refactor

```
module MultiplyBugFix exposing (..)

multiply : Int -> Int -> Int
multiply x y = x*y
```

- 4 years ago
- Refactor
- Discuss

Erlang:

```
-module(bug_fix).
-export([multiply/2]).

-spec multiply(integer(), integer()) -> integer().
multiply(A, B) -> A*B.
```

- 4 years ago
- Refactor
- Discuss

F#:

```
let multiply a b = a * b
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Multiply {
  static multiply(a, b) {
    a * b
  }
}
```

- 4 years ago
- Refactor
- Discuss

Julia:

```
module Solution
  export multiply
  function multiply(a, b)
    a * b
  end
end
```

- 4 years ago
- Refactor
- Discuss

Lua:

```
local kata = {}

function kata.multiply(a, b)
  return a * b;
end

return kata
```

- 4 years ago
- Refactor
- Discuss

```
local kata = {}

function kata.multiply(a, b)
  return a * b
end

return kata
```

- 4 years ago
- Refactor

Nim:

```
proc multiply*(a:int, b: int): int = return a * b
```

- last month
- Refactor
- Discuss

PureScript:

```
module MultiplyBugFix where

import Prelude

multiply :: Int -> Int -> Int
multiply x y = x * y
```

- 4 years ago
- Refactor
- Discuss

Reason:

```
let multiply = (a, b) => a * b;
```

- 4 years ago
- Refactor
- Discuss

Ruby:

```
def multiply(a, b)
  a * b
end
```

- 4 years ago
- Refactor
- Discuss

Rust:

```
fn multiply(a: u32, b: u32) -> u32 {
  return a * b;
}
```

- 4 months ago
- Refactor
- Discuss

Scala:

```
object Multiply {
  def multiply(a: Int, b: Int) = a * b
}
```

- 3 years ago
- Refactor
- Discuss

```
object Multiply {
  def multiply(a: Int,  b: Int) = a * b
}
```

- 4 years ago
- Refactor

Shell:

```
#!/bin/bash -e
a=$1
b=$2
echo $((a*b))
```

- 4 years ago
- Refactor
- Discuss

Swift:

```
func multiply(_ a: Double, _ b: Double) -> Double {
    return a * b;
}
```

- 4 years ago
- Refactor
- Discuss

SQL:

```
SELECT price * amount AS total FROM items
```

- 4 years ago
- Refactor
- Discuss

Agda:

```
{-# OPTIONS --safe #-}
module Solution where

open import Data.Nat

multiply : ℕ → ℕ → ℕ
multiply a b = a * b
```

- 4 years ago
- Refactor
- Discuss

Racket:

```
#lang racket
(provide multiply)

(define (multiply a b) (* a b))
```

- 4 years ago
- Refactor
- Discuss

VB:

```
Public Module Example
  Public Function Multiply(ByVal a As Integer, ByVal b As Integer) As Integer
    Return a * b
  End Function
End Module
```

- 3 years ago
- Refactor
- Discuss

CFML:

```
component {
  function multiply(a, b) {
    return a * b;
  }
}
```

- 3 years ago
- Refactor

Haxe:

```
class Kata {
  public static function multiply(a, b) {
    return a * b;
  }
}
```

- 3 years ago
- Refactor
- Discuss

COBOL:

```
123456*
       IDENTIFICATION DIVISION.
       PROGRAM-ID. SOLUTION.
       DATA DIVISION.
       WORKING-STORAGE SECTION.
       01 PRODAND-1    PIC 9(04) VALUE 1.
       01 PRODAND-2    PIC 9(04) VALUE 1.
       01 RESULT       PIC 9(04).
       PROCEDURE DIVISION.
           GOBACK.
       F01-MULT SECTION.
           MULTIPLY PRODAND-1 BY PRODAND-2 GIVING RESULT.
```

- 3 years ago
- Refactor
- Discuss

CommonLisp:

```
(defpackage #:challenge/solution
  (:use #:cl)
  (:export #:multiply))
(in-package #:challenge/solution)

(defun multiply (a b) (* a b))
```

- 2 years ago
- Refactor
- Discuss

Perl:

```
package Solution;

use 5.030;
use strict;
use warnings;
use Exporter qw(import);

our @EXPORT_OK = qw(multiply);

sub multiply {
    my $a = shift;
    my $b = shift;
    return $a * $b;
}

1;
```

- 2 years ago
- Refactor
- Discuss

Raku:

```
use v6;
unit module Solution;

sub multiply(Int $a, Int $b --> Int) is export {
    $a * $b;
}
```

- 2 years ago
- Refactor
- Discuss

Pascal:

```
unit BugFixMultiply;

{$mode objfpc}{$H+}

interface

function Multiply(const A: Integer; const B: Integer): Integer;

implementation

function Multiply(const A: Integer; const B: Integer): Integer;
begin
  Result := A * B;
end;

end.
```

- 2 years ago
- Refactor

D:

```
module solution;

export int multiply(int a, int b) {
    return a * b;
}
```

- 12 months ago
- Refactor
- Discuss

7 kyu
Cat Years, Dog Years (2)

Ruby:

```
def owned_cat_and_dog(cat_years, dog_years)
  return [get_cat_years(cat_years), get_dog_years(dog_years)]
end

def get_cat_years years
  ret = 0

  if years >= 15
    ret = 1
    years = years - 15

    if years >= 9
      ret = 2
      years = years - 9

      while years >=4
        ret = ret + 1
```

```
        years = years - 4
      end
    end
  end

  ret
end

def get_dog_years years
  ret = 0

  if years >= 15
    ret = 1
    years = years - 15

    if years >= 9
      ret = 2
      years = years - 9

      while years >=5
        ret = ret + 1
        years = years - 5
      end
    end
  end

  ret
end
```

- last month
- Refactor
- Discuss

7 kyu
All Star Code Challenge #22

JavaScript:

```
function toTime(seconds) {
  let hours = Math.floor(seconds / 3600)
  seconds = seconds - hours * 3600
  let minutes = Math.floor(seconds / 60)
  return hours + " hour(s) and " + minutes + " minute(s)"
}
```

- last month
- Refactor
- Discuss

6 kyu
Title Case

Ruby:

```
def title_case(title, minor_words = '')
    ret = ""
    minor_words = minor_words.split(" ")
    minor_words.each_with_index {|word, index|
        minor_words[index] = word.downcase
    }
    title.split(" ").each {|word|
      word = word.downcase
      if minor_words.index(word).nil?
        word = word.capitalize
      end
      ret = ret + word + " "
    }

    puts minor_words
    return "" if ret.empty?
    ret = ret[0].capitalize + ret[1..99]
    ret.strip
end
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Multiples and Digit Sums

JavaScript:

```
function procedure(n){
  let multiples = getMultiples(n);
  let sum = 0;

  console.log(multiples);

  for (let i of multiples) {
    sum += getSumOfDigits(i);
  }

  return sum;
}

function getMultiples(n) {
  let multiples = [];
  let total = 0;
  let cont = 1;

  while (true) {
     total = cont * n;
     if (total > 100) {
       break;
     }
     multiples.push(total);
     cont++;
  }
  return multiples;
}

function getSumOfDigits(n) {
  let nString = String(n);
  let sum = 0;

  for (const i of nString) {
    sum += parseInt(i);
  }

  return sum;
}
```

- 2 months ago
- Refactor
- Discuss

Retired
Apartment rent for the couple.

Python:

```
def floor_rent(RentTopFloor, FloorWanted):
    return str(RentTopFloor + (20 - FloorWanted) * 200) + " Dollars"
```

- 2 months ago
- Refactor

- Discuss

8 kyu
Enumerable Magic #4 - True for None?

JavaScript:

```
function none(arr, fun){
  let ret = true;

  for (let i of arr) {
      ret = ret && !fun(i);
  }

  return ret;
}
```

- 2 months ago
- Refactor
- Discuss

8 kyu
Pythagorean Triple

JavaScript:

```
function isPythagoreanTriple(integers) {
    if (Math.pow(integers[0], 2) == Math.pow(integers[1], 2) + Math.pow(integers[2], 2) ){
        return true;
    }
    if (Math.pow(integers[1], 2) == Math.pow(integers[0], 2) + Math.pow(integers[2], 2) ){
        return true;
    }
    if (Math.pow(integers[2], 2) == Math.pow(integers[0], 2) + Math.pow(integers[1], 2) ){
        return true;
    }

    return false;
}
```

- 2 months ago
- Refactor
- Discuss

7 kyu
The Coupon Code

JavaScript:

```
function checkCoupon(enteredCode, correctCode, currentDate, expirationDate) {
  if (enteredCode !== correctCode) {
    return false;
  }

  if (new Date(currentDate) > new Date(expirationDate)) {
    return false;
  }

  return true;
}
```

- 6 months ago
- Refactor
- Discuss

TypeScript:

```
export function checkCoupon(enteredCode: string, correctCode: string, currentDate: string, expirationDate: string): boolean {
  if (enteredCode !== correctCode) {
    return false;
  }

  if (new Date(currentDate) > new Date(expirationDate)) {
    return false;
  }

  return true;
}
```

- 6 months ago
- Refactor
- Discuss

Retired
Translate English to Code: Usain Bolt

Python:

```
def Faster_Than_Usain_Bolt(person_speed):
    if person_speed > 37.5:
        return "Person";
    elif person_speed < 37.5:
        return "Usain Bolt"

    return "Tie"
```

- 3 months ago
- Refactor
- Discuss

7 kyu
An old taste of JavaScript

JavaScript:

```
<!---->
```

- 3 months ago
- Refactor
- Discuss

7 kyu
[Geometry A-2]: Length of a vector

Ruby:

```
def vector_length(vector)
  Math.sqrt((vector[1][0] - vector[0][0]) ** 2 + (vector[0][1] - vector[1][1]) ** 2)
end
```

- 4 months ago
- Refactor
- Discuss

8 kyu
Training JS #8: Conditional statement--switch

JavaScript:

```
function howManydays(month){
  var days;
  switch (month) {
      case 1:
          return 31;
      case 2:
          return 28;
      case 3:
          return 31;
      case 4:
          return 30;
      case 5:
          return 31;
      case 6:
          return 30;
      case 7:
          return 31;
      case 8:
          return 31;
      case 9:
          return 30;
      case 10:
          return 31;
      case 11:
          return 30;
      case 12:
          return 31;
  }
  return days;
}
```

- 4 months ago
- Refactor
- Discuss

8 kyu
Training JS #10: loop statement --for

JavaScript:

```
function pickIt(arr){
  var odd=[],even=[];

  for (let item of arr) {
    if (item % 2 == 0) {
      even.push(item);
    } else {
      odd.push(item);
    }
  }

  return [odd,even];
}
```

- 4 months ago
- Refactor
- Discuss

Beta
Mirror Byte

JavaScript:

```
function mirrorByte(byteToMirror) {
  byteToMirror = byteToMirror.toString(2);
  byteToMirror = ("" + byteToMirror).padStart(8, '0');
  var byteMirrored = (byteToMirror).split("").reverse().join(""); //mirroring code here

  return parseInt(byteMirrored,2);
}
```

- 4 months ago
- Refactor
- Discuss

7 kyu
Double value every next call

PHP:

```
class A
{
 static $value = 0.5;
 public static function getNumber(): int
  {
    self::$value = self::$value*2;
    return self::$value;
  }
}
```

- 5 months ago
- Refactor
- Discuss

6 kyu
Hello new meta-class!

Ruby:

```
module Foo
  def self.const_missing(name)
    "Hello, " + name.id2name
  end
end
```

- 5 months ago
- Refactor
- Discuss

7 kyu
Find the smallest power higher than a given a value

Ruby:

```
def find_next_power(val, pow_)
  intermediate_value = ((val * 1.0) ** (1.0/pow_)).ceil

  if (intermediate_value ** pow_) == val
    intermediate_value += 1
  end

  (intermediate_value ** pow_).floor
end
```

- 5 months ago
- Refactor
- Discuss

7 kyu
Sort Out The Men From Boys

Ruby:

```
def men_from_boys(arr)
  evens = []
  odds = []

  arr.each {|item|
    if item % 2 == 0
      evens.push item
    else
      odds.push item
    end
  }

  evens.uniq.sort + odds.sort.uniq.reverse
end
```

- 6 months ago
- Refactor
- Discuss

PHP:

```
function menFromBoys($arr) {
  $evens = [];
  $odds = [];

  foreach($arr as $item) {
    if ($item % 2 == 0) {
      array_push($evens, $item);
    } else {
      array_push($odds, $item);
    }
  }
  sort($evens);
  rsort($odds);

  $evens = array_unique($evens);
  $odds = array_unique($odds);

  $ret = [];
  foreach($evens as $item) {
    array_push($ret, $item);
  }

  foreach($odds as $item) {
    array_push($ret, $item);
  }

  return $ret;

}
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Bumps in the Road

Ruby:

```
def bump(x)
  x = x.gsub /_/, ""
  x.length <= 15 ? 'Woohoo!' : 'Car Dead'
end
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Char Code Calculation

Ruby:

```
def calc(s)
  puts "s:" + s.to_s
  char_code_number = ""
  char_code_number_without_7 = ""

  s.each_char{|char|
    char_code_number = char_code_number + char.ord.to_s
  }

  char_code_number_without_7 = char_code_number.gsub /7/, "1"

  puts char_code_number_without_7
  puts char_code_number

  sum1 = 0
  sum2 = 0

  char_code_number.each_char{|c|
    sum1 = sum1 + c.to_i
  }

 char_code_number_without_7.each_char{|c|
    sum2 = sum2 + c.to_i
  }

  sum1 - sum2
end
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Find the calculation type

JavaScript:

```
function calcType(a, b, res) {
  if (a + b == res) {
    return "addition"
  } if (a * b == res) {
    return "multiplication"
  } if (a / b == res) {
    return "division"
  } if (a - b == res) {
    return "subtraction"
  }
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def calc_type(a, b, res)
  if (a + b == res)
    return "addition"
  elsif (a * b == res)
    return "multiplication"
  elsif (a / b == res)
    return "division"
  elsif (a - b == res)
```

```
    return "subtraction"
  end
end
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export function calcType(a: number, b: number, res: number): string {
  if (a + b == res) {
    return "addition";
  } if (a * b == res) {
    return "multiplication";
  } if (a / b == res) {
    return "division";
  } if (a - b == res) {
    return "subtraction";
  }
  return "";
}
```

- 6 months ago
- Refactor
- Discuss

6 kyu
Which are in?

JavaScript:

```
function inArray(array1,array2){
  let results = [];
  for (let searchedString of array1) {
    for (let itemHaystack of array2) {
      if (itemHaystack.indexOf(searchedString) > -1 && results.indexOf(searchedString) == -1) {
        results.push(searchedString);
      }
    }
  }
  results.sort()
  return results
}
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export function inArray(a1: string[], a2: string[]): string[] {
  let results = [];
  for (let searchedString of a1) {
    for (let itemHaystack of a2) {
      if (itemHaystack.indexOf(searchedString) > -1 && results.indexOf(searchedString) == -1) {
        results.push(searchedString);
      }
    }
  }
  results.sort();
  return results;
}
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Printing Array elements with Comma delimiters

JavaScript:

```
function printArray(array){
  let ret = ""
  for (let i of array) {
    ret += i + ","
  }
  return ret.slice(0, ret.length-1)
}
```

- 2 years ago
- Refactor
- Discuss

```
function printArray(array){
  let ret = ""
  for (let i of array) {
    ret += i + ","
  }
  console.log(ret.slice(0, ret.length-1))
  return ret.slice(0, ret.length-1)
}
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export function printArray(array:any[]){
  let ret:String = "";
  for (let i of array) {
    ret += String(i) + ",";
  }

  return ret.slice(0, ret.length-1);
}
```

- 6 months ago
- Refactor
- Discuss

Retired
Filling an array (part 1)

JavaScript:

```
const arr = N =>{
    cont = 0
    ret = []
    while (cont < N) {
        ret.push(cont)
        cont++
    }
    return ret
}
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export const arr = (n: number = 0): number[] => {
    let cont:number = 0;
    let ret:number[] = [];
    while (cont < n) {
        ret.push(cont);
        cont++;
    }
    return ret;
};
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Grasshopper - Basic Function Fixer

JavaScript:

```
function addFive(num) {
  var total = num + 5
  return total
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def addFive(num)
  num + 5
end
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export const addFive = (num : number) : number => {
  let total = num + 5;
  return total;
}
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Exes and Ohs

JavaScript:

```
function XO(str) {
    let countO = 0;
    let countX = 0;

    for (c of str) {
        if (c == "o" || c == "O") {
            countO = countO + 1;
        } else if (c == "x" || c == "X") {
            countX = countX + 1;
        }
    }
    return countO == countX;
}
```

- 2 years ago
- Refactor

TypeScript:

```
export function xo(str: string) {
    let countO = 0;
    let countX = 0;

    for (let c of str) {
        if (c == "o" || c == "O") {
            countO = countO + 1;
        } else if (c == "x" || c == "X") {
            countX = countX + 1;
        }
    }
    return countO == countX;
}
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Convert a string to an array

JavaScript:

```
function stringToArray(string){
     return string.split(" ")
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def string_to_array(string)
  string.split(" ")
end
```

- 2 years ago
- Refactor
- Discuss

TypeScript:

```
export function stringToArray(s: string): string[] {
     return s.split(" ");
}
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Computer problem series #1: Fill the Hard Disk Drive

JavaScript:

```
function save(sizes, hd) {
  let sum = 0
  let cont = 0;
  for (let fileSize of sizes) {
    sum = sum + fileSize;
    if (sum > hd) {
      break;
    }
    cont = cont + 1;
  }
  return cont;
}
```

- 16 months ago
- Refactor
- Discuss

TypeScript:

```
export function save(sizes: number[], hd: number) {
  let sum = 0;
  let cont = 0;
  for (let fileSize of sizes) {
    sum = sum + fileSize;
    if (sum > hd) {
      break;
    }
    cont = cont + 1;
  }
  return cont;
}
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Is n divisible by x and y?

Ruby:

```
def is_divisible(n,x,y)
  n % x == 0 && n % y == 0;
end
```

- 4 years ago
- Refactor

```
def is_divisible(n,x,y)
  r1 = n % x
  r2 = n % y
  r1 == 0 and r2 == 0
end
```

- 4 years ago
- Refactor
- Discuss

C:

```
#include <stdbool.h>

bool isDivisible(int n, int x, int y) {
    return n % x == 0 && n % y == 0;
}
```

- 4 years ago
- Refactor

```
#include <stdbool.h>

bool isDivisible(int n, int x, int y) {
    return (n%y == 0 && n % x == 0 );
}
```

- 4 years ago
- Refactor
- Discuss

```
#include <stdbool.h>

bool isDivisible(int n, int x, int y) {
  int r1 = n % x;
  int r2 = n % y;

  return r1 == 0 && r2 == 0;

}
```

- 4 years ago
- Refactor
- Discuss

C#:

```
public class DivisibleNb {
        public static bool isDivisible(long n, long x, long y) {
                return n % x == 0 && n % y == 0;
        }
}
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function isDivisible(n, x, y) {
   return (n%x == 0 && n%y == 0);
}
```

- 3 years ago
- Refactor

```
function isDivisible(n, x, y) {
    return n % y == 0 && n % x == 0
}
```

- 4 years ago
- Refactor
- Discuss

Python:

```
def is_divisible(n,x,y):
    return n % x == 0 and n % y == 0;
```

- 4 years ago

- Refactor

```
def is_divisible(n,x,y):
    return (n%y == 0 and n % x == 0 );
```

- 4 years ago
- Refactor
- Discuss

Java:

```
public class DivisibleNb {
        public static boolean isDivisible(long n, long x, long y) {
                return n % x == 0 && n % y == 0;
  }
}
```

- 4 years ago
- Refactor

```
public class DivisibleNb {
        public static boolean isDivisible(long n, long x, long y) {
                return n % x == 0 && n % y == 0;
        }
}
```

- 4 years ago
- Refactor

```
public class DivisibleNb {
        public static boolean isDivisible(long n, long x, long y) {
    return (n%y == 0 && n % x == 0 );
        }
}
```

- 4 years ago
- Refactor

CoffeeScript:

```
isDivisible = (n, x, y) -> n % x ==0 && n % y ==0;
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static def isDivisible(n, x, y) {
    n % x == 0 && n % y == 0
  }
}
```

- 3 years ago
- Refactor
- Discuss

TypeScript:

```
export function isDivisible(n:number, x:number, y:number):boolean {
    return n % y == 0 && n % x == 0;
}
```

- 6 months ago
- Refactor
- Discuss

6 kyu
Pyramid Array

JavaScript:

```
function pyramid(n) {
  let r = [];
  for (let i = 1; i <=n ; i++) {
      r.push(build(i));
  }
  return r;
}

function build(n) {
  let r = [];
  for (let i = 1; i <=n ; i++) {
    r.push(1)
  }
  return r;

}
```

- 17 months ago
- Refactor
- Discuss

TypeScript:

```
export function pyramid(n: number) {
  let r = [];
  for (let i = 1; i <=n ; i++) {
      r.push(build(i));
  }
  return r;
}

export function build(n: number) {
  let r = [];
  for (let i = 1; i <=n ; i++) {
    r.push(1)
  }
  return r;
}
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Plural

JavaScript:

```
function plural(n) {
  return n != 1;
}
```

- 8 months ago
- Refactor
- Discuss

TypeScript:

```
export function plural(n:number):boolean {
  return n != 1;
}
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Truthy and Falsy

JavaScript:

```
const truthy = [1,2,3,4,5];
const falsy = [undefined, 0, false, null, ""];
```

- 7 months ago
- Refactor
- Discuss

TypeScript:

```
export const truthy = [1,2,3,4,5];
export const falsy = [undefined, 0, false, null, ""];
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Don't give me five!

JavaScript:

```
function dontGiveMeFive(start, end)
{
  let sum = 0

  let cont = start

  while (cont <= end) {
    if (String(cont).indexOf(5) == -1) {
      sum += 1;
    }
    cont = cont + 1;
  }

  return sum
}
```

- 7 months ago
- Refactor
- Discuss

TypeScript:

```
export function dontGiveMeFive(start:number, end:number) : number
{
  let sum = 0;

  let cont = start;

  while (cont <= end) {
    if (String(cont).indexOf("5") == -1) {
      sum += 1;
    }
    cont = cont + 1;
  }

  return sum;
}
```

- 6 months ago
- Refactor
- Discuss

8 kyu
Barking mad

Ruby:

```
class Dog
  def initialize(breed)
    @breed=breed
  end

  def bark()
    "Woof"
  end
end

class Snoop < Dog
end

class Scoobydoo < Dog
end


snoopy=Dog.new("Beagle")



scoobydoo=Dog.new("Great Dane")
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Calculate Parity bit!

Ruby:

```
def check_parity(parity, bin_str)
  count_1 = 0
  bin_str.each_char{|bit|
    bit = bit.to_i
    count_1 = count_1 + 1 if bit % 2 == 1
  }

  return 1 if ((parity == "even" && count_1 % 2 == 1) || (parity == "odd" && count_1 % 2 == 0))
  return 0
end
```

- 6 months ago
- Refactor
- Discuss

7 kyu

Pure Functions

TypeScript:

```
type State = {modifier: number}

const state:State = {modifier: 2}

export function solution(arr: number[], options:State) {
  let other: any = Object.assign([],arr);

  for (let i = 0; i < other.length; ++i) {
    other[i] += 2 * options.modifier;
  }

  return other;
}
```

- 6 months ago
- Refactor
- Discuss

6 kyu
Find the odd int

TypeScript:

```
export const findOdd = (xs: number[]): number => {
  let occurrences = {};

  for (let i of xs) {
    if (occurrences[i] == undefined) {
      occurrences[i] = 1;
    } else {
      occurrences[i]++;
    }
  }

  for (let i in occurrences) {
    if (occurrences[i] % 2 == 1) {
      return parseInt(i);
    }
  }
};
```

- 6 months ago
- Refactor
- Discuss

JavaScript:

```
function findOdd(A) {
  let occurrences = {}

  for (let i of A) {
    if (occurrences[i] == undefined) {
      occurrences[i] = 1;
    } else {
      occurrences[i]++;
    }
  }

  for (let i in occurrences) {
    if (occurrences[i] % 2 == 1) {
      return parseInt(i);
    }
  }
}
```

- 6 months ago
- Refactor
- Discuss

Beta
Tinder for Programmers

JavaScript:

```
const rateProfile = (profile, swipeLeft, swipeRight) => {
  if (profile.bio.indexOf("JavaScript") > 0) {
    swipeRight();
  } else {
    swipeLeft();
  }
};
```

- 7 months ago
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TypeScript:

```
import { Profile } from "./preloaded";

export const rateProfile = (profile: Profile, swipeLeft: ()=>void, swipeRight: ()=>void): void => {
  if (profile.bio.indexOf("TypeScript") > 0) {
    swipeRight();
  } else {
    swipeLeft();
  }
}
```

- 6 months ago
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8 kyu
Classy Extentions

JavaScript:

```
class Cat extends Animal {
  speak() {
    return this.name + " meows.";
  }
}
```

- 6 months ago
- Refactor
- Discuss

7 kyu
Predict your age!

Ruby:

```
def predict_age(* ages)
  sum = 0
  ages.each {|age|
    sum = sum + (age * age)
  }
```

```
  result = Math.sqrt(sum).floor

  result/2
end
```

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6 kyu
Consecutive strings

PHP:

```
function longestConsec($strarr, $k) {
    if ($k > count($strarr)) {
      return '';
    }

    $longest = '';

    foreach($strarr as $index => $item) {
        $cont = 0;
        $newString = '';
        while ($cont < $k) {
            $newString .= $strarr[$index + $cont];
            $cont++;
        }

        if (mb_strlen($newString) > mb_strlen($longest)) {
            $longest = $newString;
        }
    }

    return $longest;
}
```

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- Discuss

7 kyu
Insert dashes

Ruby:

```
def insert_dash(num)
  num_string = num.to_s
  sum_to_position = 0
  ret = ""
  previous_odd = false

  num_string.split('').each_with_index {|char_string, index|
    char_integer = char_string.to_i
    if char_integer % 2 == 1
      if previous_odd
        ret = ret + "-" + char_string
      else
        previous_odd = false
        ret += char_string
      end
      previous_odd = true
    else
      previous_odd = false
      ret += char_string
    end
  }
  ret
end
```

- 6 months ago
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- Discuss

Retired
Decimal to binary converter

JavaScript:

```
function decToBin(d) {
  if (d == 0) {
    return '0';
  }

  let currentNumber = d;
  let result = "";

  while (currentNumber >= 2) {
    result = ((currentNumber % 2) + "") + result;
    currentNumber = Math.floor(currentNumber / 2)
  }

  if (currentNumber == 1) {
    result = currentNumber + result;
  }

  return result;
}
```

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7 kyu
Simple Fun #10: Range Bit Counting

Ruby:

```
def range_bit_count(a, b)
    sum = 0
    count = 0

    while a <= b
      number_string = a.to_s(2)
      number_string.each_char{ |n|
          sum = sum + n.to_i
      }
      a = a + 1
    end

    sum
end
```

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8 kyu
Remove the time

PHP:

```
function shortenToDate($longDate) {
```

```
    $position = strpos($longDate, 'am');

    if ($position == false) {
        $position = strpos($longDate, 'pm');
    }

    $test = substr($longDate, 0, strlen($longdate) - 5);
    if ($test[strlen($test) - 1] == ",") {
      return substr($test, 0, strlen($test) - 1);
    } else {
      return $test;
    }

}
```

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7 kyu
Substituting Variables Into Strings: Padded Numbers

Ruby:

```
def solution(value)
  "Value is " + value.to_s.rjust(5, "0")
end
```

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- Discuss

7 kyu
The old switcheroo

Ruby:

```
def vowel_2_index(string)
  cont = 1
  ret = ""

  string.each_char { |c|
      if c == "a" || c == "e" || c =="i" || c == "o" || c == "u" || c == "A" || c == "E" || c =="I" || c == "O" || c == "U"
        ret += cont.to_s
      else
        ret += c
      end

      cont = cont + 1
  }

  ret
end
```

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7 kyu
Alphabet symmetry

PHP:

```
define('INITIAL', 96);

function solve($arr) {
  $arr = toLower($arr);
  $cont = 1;
  $ret = [];

  foreach($arr as $item) {
    $total = 0;
    $cont = 0;
    while ($cont < strlen($item) + 1) {
      if (ord(substr($item, $cont - 1, 1)) == $cont + INITIAL) {
        $total++;
      }
      $cont++;
    }
    $ret[] = $total;
  }

  return $ret;
}

function toLower($arr) {
  $ret = [];

  foreach($arr as $item) {
    $ret[] = strtolower($item);
  }

  return $ret;
}
```

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- Discuss

7 kyu
Maximum Gap (Array Series #4)

PHP:

```
function maxGap($nums) {
  $maxGap = 0;
  sort($nums);
  $previous = null;

  foreach($nums as $num) {
    if (! is_null($previous)) {
      if ($maxGap < $num - $previous) {
        $maxGap = $num - $previous;
      }
    }
    $previous = $num;
  }

  return $maxGap;
}
```

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7 kyu
Numbers to Letters

PHP:

```
function switcher($arr)
{
  $ret = '';
  foreach ($arr as $item) {
    $ret .= chr(- ($item-123));
```

```
  }
  return str_replace("`", "!",
           str_replace("_", "?",
             str_replace("^", " ", $ret)
           )
         );

}
```

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7 kyu
Coding Meetup #14 - Higher-Order Functions Series - Order the food

JavaScript:

```
function orderFood(list) {
  let resp = {};
  let ret = {};

  for (let item of list) {
    if (resp[item.meal] == undefined) {
      resp[item.meal] = 1;
    } else {
      resp[item.meal]++
    }
  }

  return resp
}
```

- 7 months ago
- Refactor
- Discuss

6 kyu
Unique In Order

Ruby:

```
def unique_in_order(iterable)
  ret = []
  iterable2 = iterable

  if iterable2.is_a? Array
    iterable2 = iterable.join ''
  end

  iterable2.each_char {|char|
    unless ret[-1] == char || ret[-1] == char.to_i # ok, isn't perfect, but to this Kata tests is ok
      if iterable[0].is_a? Integer
        ret.push char.to_i
      else
        ret.push char
      end
    end
  }
  ret
end
```

- 7 months ago
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- Discuss

```
def unique_in_order(iterable)
  ret = []
  iterable2 = iterable

  if iterable2.is_a? Array
    iterable2 = iterable.join ''
  end

  iterable2.each_char {|char|
    unless ret[-1] == char || ret[-1] == char.to_i
      if iterable[0].is_a? Integer
        ret.push char.to_i
      else
        ret.push char
      end
    end
  }
  ret
end
```

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7 kyu
Find the stray number

Ruby:

```
def stray (numbers)
  stray = []
  previous = []

  numbers.each {|number|
    unless previous.include? number
      previous.push number
      stray.push number
    else
      stray.delete number
    end
  }

  stray.first
end
```

- 7 months ago
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- Discuss

7 kyu
Smallest value of an array

Ruby:

```
def find_smallest(numbers,to_return)
  if to_return == "value"
    numbers.sort!
    return numbers[0]
  else
    minor = 9999999999
    numbers.each_with_index {|number, index|
      if number < minor
        minor = number
      end
    }
    return numbers.index minor
  end
end
```

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7 kyu
Strong Number (Special Numbers Series #2)

Ruby:

```
def strong_num(n)
  sum = 0
  n.to_s.each_char { |char_|
    sum = sum + factorial(char_.to_i)
  }
  sum == n ? "STRONG!!!!" : "Not Strong !!"
end

def factorial n
  sum = 1

  while n > 1
    sum = sum * n
    n = n - 1
  end

  sum
end
```

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Retired
Narcissistic Numbers

Ruby:

```
def is_narcissistic(n)
  sum = 0
  ns = n.to_s
  power = ns.length

  ns.each_char { |char|
    sum += char.to_i ** power
  }

  sum == n ? true : false
end
```

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6 kyu
Write Number in Expanded Form

Ruby:

```
def expanded_form(num)
  ret = ""
  multiplier = 1

  num.to_s.reverse.each_char{ |char|
      digit = ((char % 10).to_i * multiplier).to_s

      if digit != "0"
        ret = digit + " + " + ret
      end

      multiplier = multiplier * 10
  }

  ret[0..-4]
end
```

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8 kyu
Training JS #3: Basic data types--String

JavaScript:

```
var a1="A",a2="a",b1="B",b2="b",c1="C",c2="c",d1="D",d2="d",e1="E",e2="e",n1="N",n2="n"
function Dad(){
  //select some variable to combine "Dad"
  return d1 + a2 + d2;
}
function Bee(){
  //select some variable to combine "Bee"
  return b1 + e2 + e2;
}
function banana(){
  //select some variable to combine "banana"
  return b2 + a2 + n2 + a2 + n2 + a2;
}

//answer some questions if you finished works above
function answer1(){
  //the answer should be "yes" or "no"
  return "no";
}
function answer2(){
  //the answer should be "yes" or "no"
  return "no";
}
function answer3(){
  //the answer should be "yes" or "no"
  return "yes";
}
```

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8 kyu
Training JS #5: Basic data types--Object

JavaScript:

```
function animal(obj){
  if (obj.name != undefined && obj.color != undefined && obj.legs != undefined) {
    return "This " + obj.color + " " + obj.name + " has " + obj.legs + " legs.";
  }

  return false;
}
```

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8 kyu

Training JS #4: Basic data types--Array

JavaScript:

```
function getLength(arr){
  //return length of arr
  return arr.length;
}
function getFirst(arr){
  //return the first element of arr
  return arr[0];
}
function getLast(arr){
  //return the last element of arr
  return arr[arr.length - 1];
}
function pushElement(arr){
  arr.push("el");
  //push el to arr

  return arr
}
function popElement(arr){
  //pop an element from arr
  arr.pop();

  return arr;
}
```

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7 kyu
Reverser

Ruby:

```
def reverser(number)
  number.to_s.reverse.to_i
end
```

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7 kyu
Squares sequence

Ruby:

```
def squares(x, n)
    return [] if n <= 0
    ret = [x]
    cont = 1

    while (cont < n)
      x =  x ** 2
      ret.push(x)
      cont = cont + 1
    end

    ret
end
```

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6 kyu
+1 Array

Ruby:

```
def up_array(arr)
  if arr.class != Array || arr.empty?
    return nil
  end

  arr = arr.reverse
  ret = []
  accumulator = 1

  arr.each { |i|
    if i < 0 || i > 9 || i.class == String || i == "!"
      return nil
    end

    value = i + accumulator

    if (value >= 10)
      value = value % 10
    else
      accumulator = 0
    end

    ret.push value
  }

  if accumulator == 1
    ret.push(1)
  end

  ret.reverse
end
```

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Draft
Alternating array index

Python:

```
def array_index(arr):
    cont = 0
    ret = []
    for item in arr:
        if cont % 2 == 0:
            print(item)
            ret.append(item + cont)
        else:
            ret.append(item - cont)
        cont = cont + 1

    return ret
```

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7 kyu

SevenAte9

Ruby:

```
def seven_ate9(str)
  ret = ""
  prev = ""

  arr_str = str.split("")

  arr_str.each_with_index{|char, index|
     unless char == "9" and arr_str[index - 1] == "7" and arr_str[index + 1] == "7"
       ret +=char
     end
  }
  ret
end
```

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8 kyu
Duck Duck Goose

Ruby:

```
def duck_duck_goose(players, goose)
  goose = (goose) % players.length
  players[goose -1].name
end
```

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8 kyu
Who is going to pay for the wall?

Ruby:

```
def who_is_paying(name)
  reduced =  name[0..1]
  return  name == reduced ? [name] : [name, reduced]
end
```

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7 kyu
By 3, or not by 3? That is the question . . .

PHP:

```
function divisibleByThree($str) {
    $sum = 0;
    $split = str_split($str);

    foreach ($split as $item) {
      $sum += (int) $item;
    }

    if ($sum % 3 === 0) {
        return true;
    }

    return false;
}
```

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7 kyu
Likes Vs Dislikes

Python:

```
def like_or_dislike(lst):
    count_like_in_a_row = 0
    count_dislike_in_a_row = 0
    previous = ""

    for i in lst:
        if i == previous:
            if previous == "Like":
                count_like_in_a_row = count_like_in_a_row + 1
            else:
                count_dislike_in_a_row = count_dislike_in_a_row + 1
        else:
            if i == "Like":
                count_like_in_a_row = 1
            else:
                count_dislike_in_a_row = 1

        previous = i

    print(count_dislike_in_a_row)
    if previous == "Like" and count_like_in_a_row % 2 == 1:
        return "Like"
    elif previous == "Dislike" and count_dislike_in_a_row % 2 == 1:
        return "Dislike"

    return "Nothing"
```

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7 kyu
Sort the Gift Code

Ruby:

```
def sort_gift_code code
   code.split("").uniq.sort.join("")
end
```

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- Discuss

Retired
Lost numbers

JavaScript:

```
const findAndSumm = (arr1, arr2) => {
  let num1 = 0;
```

```
  let num2 = 0;

  while (true) {
    if (typeof arr1 !== "object") {
      if (typeof arr1 === "undefined") {
        arr1 = 0;
      }
      num1 = arr1;
      break;
    } else {
      arr1 = arr1[0];
    }
  }

  while (true) {
    if (typeof arr2 !== "object") {
      if (typeof arr2 === "null") {
        arr2 = 0;
      }
      num2 = arr2;
      break;
    } else {
      arr2 = arr2[0];
    }
  }

  return num1 + num2;
}
```

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Draft
New Wordle Order

JavaScript:

```
function wordle(word,guess){
  let guess_array = guess.split("");

  let ret = [];
  for (let index in guess_array) {
    if (guess_array[index] == word[index]) {
      ret.push("green");
    } else if (word.indexOf(guess_array[index]) != -1) {
      ret.push("yellow");
    } else {
      ret.push("black");
    }
  }

  return ret;
}
```

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6 kyu
Take a Number And Sum Its Digits Raised To The Consecutive Powers And ....¡Eureka!!

Ruby:

```
def sum_dig_pow(a, b)
  ret = []
  while a <= b
    cont = 1
    sum = 0

    a.to_s.each_char{ |char|
      sum += char.to_i ** cont
      cont = cont + 1
    }

    ret.push(sum) if sum == a
    a = a + 1
  end
  ret
end
```

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7 kyu
Length and two values.

JavaScript:

```
function opposite(n, firstValue, secondValue){
  let i = 0;
  let ret = [];

  while (i < n) {
    if (i % 2 == 0) {
      ret.push(firstValue);
    } else {
      ret.push(secondValue);
    }
    i++;
  }

  return ret;
}
```

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7 kyu
Regex validate PIN code

Ruby:

```
def validate_pin pin
  return false unless (/[0-9]*/.match pin)[0]
  return false unless (/[0-9]*/.match pin)[0] == pin
  size = pin.strip.size
  size = size + 1 if pin.to_i < 0
  return false if pin.to_i == 0 and pin != "0000" and pin != "000000"
  return true if size==4 || size==6

  false
end
```

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7 kyu
Initialize my name

JavaScript:

```
function initializeNames(name){
  let ret = ""
  let parts = name.split(" ")

  for (let index in parts) {
    if ((index != 0) && (index != parts.length - 1)) {
      ret = ret + parts[index][0].toUpperCase() + ". "
    } else {
      ret += parts[index] + " "
    }
  }
  ret = ret.trim()
  return ret
}
```

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7 kyu
Interview Question (easy)

Ruby:

```
def get_letters(city)
  city = city.downcase.gsub(/\s*/, "")
  asterisks = {}

  city.each_char { |char|
      unless asterisks[char].nil?
        asterisks[char] = asterisks[char] + "*"
      else
        asterisks[char] = ":*"
      end
  }

  ret = ""
  asterisks.each_with_index{|asterisks, index|
    ret += asterisks[0] + asterisks[1] + ","
  }
  ret[0..-2]
end
```

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7 kyu
Minimum Steps (Array Series #6)

PHP:

```
function minimumSteps($nums, $value) {
  sort($nums);
  $cont = 0;
  $sum = $nums[0] + $nums[1];
  $cont = 0;
  echo $sum;
  var_dump($nums);

  while ($sum <= $value) {
    echo "x";
    if ($cont == 0) {
      $cont = 1;
    }
    if ($cont > 0 && $sum == $value) {
      break;
    }
    $cont++;
    $sum += $nums[$cont];
  }

  return $cont;
}
```

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Retired
Thinkful - List Drills: Longest word

PHP:

```
function longest($words) {
  $longest = 0;

  foreach($words as $word) {
     $length = strlen($word);

     if ($length > $longest) {
       $longest = $length;
     }
  }

  return $longest;
}
```

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8 kyu
UEFA EURO 2016

Ruby:

```
def uefa_euro_2016(teams, scores)
  if scores[0] == scores[1]
    return  "At match " + teams[0] + " - " + teams[1] + ", teams played draw."
  elsif scores[0] > scores[1]
    return "At match " + teams[0] + " - " + teams[1] + ", " + teams[0] + " won!"
  else
    return "At match " + teams[0] + " - " + teams[1] + ", " + teams[1] + " won!"
  end
end
```

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7 kyu
Coding Meetup #2 - Higher-Order Functions Series - Greet developers

PHP:

```
function greet_developers($a) {
  foreach ($a as &$item) {
    $item['greeting'] = 'Hi ' . $item['first_name'] . ', what do you like the most about ' . $item['language'] . '?';
  }
  return $a;
}
```

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8 kyu
Fix the Bugs (Syntax) - My First Kata

PHP:

```
function my_first_kata($a, $b) {
  if ((!is_int($a) and !is_float($a)) or (!is_int($b) and !is_float($b))) {
    return false;
  } else {
    return $a % $b + $b % $a;
  }
}
```

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7 kyu
Greet Me

PHP:

```
function greet($name) {
    return "Hello " . ucfirst(strtolower($name)) . "!";
}
```

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8 kyu
Leonardo Dicaprio and Oscars

Ruby:

```
def leo(oscar)
    if oscar == 88
        ret = "Leo finally won the oscar! Leo is happy"
    elsif oscar == 86
        ret = "Not even for Wolf of wallstreet?!"
    elsif oscar < 88
      ret = "When will you give Leo an Oscar?"
    else
      ret = "Leo got one already!"
    end

    ret
end
```

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7 kyu
Triangular Treasure

Ruby:

```
# Return the nth triangular number
def triangular( n )
  return 0 if n < 0

  cont = 1
  ret = 0
  i = 0

  while cont <= n
    i += 1
    cont += 1
    ret +=  i
  end

  ret
end
```

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8 kyu
Classy Classes

Ruby:

```
class Person
  def initialize name, age
    @name = name
    @age = age
  end

  def info
    "#{@name}s age is #{@age}"
  end
end
```

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8 kyu
Regexp Basics - is it a digit?

Ruby:

```
class String
  def digit?
    return true if self == "0"
    self.to_i > 0 && self.size === 1
  end
end
```

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6 kyu
Arrays Similar

JavaScript:

```
function arraysSimilar(arr1, arr2) {
  arr1 = arr1.sort()
  arr2 = arr2.sort()

  for (let i in arr2) {
    if (arr1[i] !== arr2[i]) {
      return false;
    }
```

```
  }

  return true;
}
```

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8 kyu
Shifty Closures

JavaScript:

```
var greet_abe = function() {
  let name = 'Abe'
  return "Hello, " + name + '!';
};

var greet_ben = function() {
  let name = 'Ben';
  return "Hello, " + name + '!';
};
```

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8 kyu
Mr. Freeze

JavaScript:

```
// mark the MrFreeze object instance as frozen
Object.freeze(MrFreeze);
```

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- Discuss

8 kyu
Playing with cubes I

Ruby:

```
# Code the Cube ^-^
# Build your Cube without using the initialize function
# Your cube needs the following:
        # side = an integer representing the length of the side of the cube
        # get_side = a function to return side
        # set_side = a function accepting an int; set side to that int

class Cube
  @side = 0

  def set_side side
    @side = side
  end

  def get_side
    return @side.nil? ? 0 : @side
  end
end
```

- 8 months ago
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7 kyu
Ordered Count of Characters

Ruby:

```
def ordered_count(str)
  str_array = str.split('')
  pre_ret =[]
  ret = []
  count = []

  str.each_char{|char|
    unless pre_ret.include? char
      pre_ret.push char
      count.push str_array.count char
    end
  }
  count.each_with_index{ |n, index|
    ret.push [pre_ret[index], n]
  }

  ret
end
```

- 8 months ago
- Refactor
- Discuss

8 kyu
Welcome to the City

Ruby:

```
def say_hello(name, city, state)
  'Hello, ' + name.join(" ") + "! Welcome to " + city + ", " + state + '!'
end
```

- 8 months ago
- Refactor
- Discuss

8 kyu
Contamination #1 -String-

Ruby:

```
def contamination(text, char)
  return "" if text.empty? || char.empty?

  ret = ""

  text.each_char{ |c|
    ret = ret + char
  }
  ret
end
```

- 8 months ago
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- Discuss

7 kyu
Disarium Number (Special Numbers Series #3)

Ruby:

```
def disarium_number(n)
  n = n.to_s

  sum = 0
  i = 1
  n.each_char{ |char|
    sum += char.to_i ** i
    i = i + 1
  }

  sum.to_s == n ? "Disarium !!" : "Not !!"
end
```

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- Discuss

6 kyu
Exclamation marks series #17: Put the exclamation marks and question marks on the balance - are they balanced?

Ruby:

```
def balance(left, right)
  s1 = 0
  s2 = 0

  left.each_char { |char|
    if char == "?"
      s1 += 3
    else
      s1 += 2
    end
  }

  right.each_char { |char|
    if char == "?"
      s2 += 3
    else
      s2 += 2
    end
  }

  if s1 > s2
    return "Left"
  elsif s1 < s2
    return "Right"
  end
  "Balance"
end
```

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7 kyu
Is every value in the array an array?

PHP:

```
function arr_check(array $a): bool {
  foreach ($a as $item) {
    if (gettype($item) != "array") {
      return false;
    }
  }
  return true;
}
```

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- Discuss

7 kyu
Exclamation marks series #5: Remove all exclamation marks from the end of words

PHP:

```
function remove(string $s): string {
  $arrayString = explode(' ', $s);

  $cont = 0;
  while (count($arrayString) > $cont) {
    if ($arrayString[$cont][-1] == "!") {
      $arrayString[$cont] = substr($arrayString[$cont], 0 , -1);
    } else {
      $cont++;
    }
  }

  return implode(' ', $arrayString);
}
```

- 8 months ago
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- Discuss

8 kyu
Age Range Compatibility Equation

PHP:

```
function datingRange($age) {
  $min = 0;
  $max = 0;

  if ($age <= 14) {
    $min = $age - 0.10 * $age;
    $max = $age + 0.10 * $age;
  } else {
    $min = $age/2 +7;
    $max = ($age - 7) * 2;
  }

  return floor($min) . '-'  . floor($max);
}
```

- 8 months ago
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- Discuss

8 kyu
Add new item (collections are passed by reference)

Ruby:

```
def add_extra(list_of_numbers)
  lon = list_of_numbers.dup
  lon.unshift(1)
  lon
end
```

- 8 months ago

- Refactor
- Discuss

8 kyu
Training JS #1: create your first JS function and print "Hello World!"

JavaScript:

```
function helloWorld() {
  var str =  "que bosta...";
  console.log("Hello World!");
  return str;
}
```

- 8 months ago
- Refactor
- Discuss

7 kyu
Find the lucky numbers

PHP:

```
function filter_lucky(array $a): array {
  $ret = [];
  foreach ($a as $item) {
    if (strpos((string) $item, '7') !== false) {
      $ret[] = $item;
    }
  }

  return $ret;
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Exclamation marks series #13: Count the number of exclamation marks and question marks, return the product

PHP:

```
function product(string $s): int {
  $lengthTotal = strlen($s) ;
  $lengthExclamation = $lengthTotal - strlen(str_replace('!', '', $s));
  $lengthQuotes = $lengthTotal - strlen(str_replace('?', '', $s));

  return $lengthExclamation * $lengthQuotes;
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Calculate mean and concatenate string

PHP:

```
function mean(array $a): array {
  $sum = 0;
  $string = '';

  foreach($a as $item) {
    $sum += (float) $item;

    if (! ((float) $item == $item)) {
      $string .= $item;
    }
  }

  return [$sum / 10, $string];
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Number of Decimal Digits

Java:

```
public class DecTools {
  public static int Digits(long n) {
    return String.valueOf(n).length();
  }
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Negation of a Value

Dart:

```
bool negationValue(String str, bool val) {
  if (str.length % 2 == 0) {
    return val;
  }
  return !val;
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Divide and Conquer

Ruby:

```
def div_con(x)
  sum = 0
  minus = 0

  x.each {|i|
    if i.is_a? Numeric
      sum += i
    else
      minus += i.to_i
    end
  }

  sum - minus
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Find Nearest square number

Ruby:

```
def nearest_sq(n)
    return n if Math.sqrt(n) % 1 == 0

    minor = n
    while true
      if Math.sqrt(minor) % 1 == 0
        break
      end
      minor = minor - 1
    end

    major = n
    while true
      if Math.sqrt(major) % 1 == 0
        break
      end
      major = major + 1
    end

    diff_minor = n - minor
    diff_major = major - n

    diff_major <= diff_minor ? major : minor
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Fix your code before the garden dies!

Ruby:

```
def rain_amount(mm)
    if (mm < 40)
        return "You need to give your plant " + (40 - mm).to_s + "mm of water"
    else
        return "Your plant has had more than enough water for today!"
    end
end
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Spacify

Ruby:

```
def spacify(str)
  ret = "";
  str.each_char { |c|
    ret += c + " "
  }
  ret[0..-2]
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Basic subclasses - Adam and Eve

Ruby:

```
# define your classes
class Human
end
class Man < Human
end
class Woman < Human
end

def god
  [Man.new, Woman.new]
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
String Templates - Bug Fixing #5

Ruby:

```
def build_string(*args)
  string_args = ""
  args.each {|arg|
      string_args += arg + ", "
  }
  string_args = string_args[0...-3]
  "I like " + string_args + "!"
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Unfinished Loop - Bug Fixing #1

Ruby:

```
def create_array(n)
  res=[]
  i=1
  while i<=n
    res+=[i]
    i = i + 1
  end
  return res
end
```

- 9 months ago
- Refactor
- Discuss

Retired

Playing with Streams: Sum

Java:

```
import java.util.*;

public class Kata {
  public static int sum(List<Integer> list) {
    Integer ret = 0;
    for (Integer item: list) {
      ret += item;
    }
    return ret;
  }
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Nth Smallest Element (Array Series #4)

Ruby:

```
def nth_smallest(arr, pos)
  arr.sort[pos-1]
end
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Indexed capitalization

Ruby:

```
def capitalize(s,ind)
  ret = ""

  index = -1
  s.each_char { |c|
    if ind.include? index
      ret += c.capitalize
    else
      ret = ret + c
    end if
    index = index + 1
  }
  ret
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Grasshopper - Combine strings

Ruby:

```
def combine_names first_name, last_name
  first_name + " " + last_name
end
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Find the nth Digit of a Number

Ruby:

```
def find_digit(num, nth)
  num = num.to_s.reverse!
  return -1 if nth < 1
  num.slice(nth - 1,1).to_i
end
```

- 9 months ago
- Refactor
- Discuss

6 kyu
The Vowel Code

Ruby:

```
def encode(s)
  s.gsub! /a/, "1"
  s.gsub! /e/, "2"
  s.gsub! /i/, "3"
  s.gsub! /o/, "4"
  s.gsub! /u/, "5"
  puts s
  s
end

def decode(s)
  s.gsub! /1/, "a"
  s.gsub! /2/, "e"
  s.gsub! /3/, "i"
  s.gsub! /4/, "o"
  s.gsub! /5/, "u"
  s

end
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Flatten

Ruby:

```
def flatten(array)
  ret = []
  array.each{ |item|
    if item.is_a? Array
      item.each { |subitem|
        ret.push subitem
      }
    else
      ret.push item
    end
  }
  ret
```

```
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Grader

Ruby:

```
def grader(score)
  if score > 1 || score < 0.6
    return "F"
  elsif score >= 0.9
    return "A"
  elsif score >= 0.8
    return "B"
  elsif score >= 0.7
    return "C"
  elsif score >= 0.6
    return "D"
  end
end
```

- 9 months ago
- Refactor
- Discuss

8 kyu
Training JS #9: loop statement --while and do..while

JavaScript:

```
function padIt(str,n){
  let turn = "left";

  let cont = 0;
  let ret = str;

  while (cont != n) {
    if (turn == "left") {
      turn = "right";
      ret = "*" + ret;
    } else {
      turn = "left";
      ret = ret + "*";
    }
    cont++;
  }

  return ret;
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
What is type of variable?

JavaScript:

```
function type(value) {
  if (value instanceof Array) {
    return 'array';
  }
  if (value instanceof Date) {
    return 'date';
  }
  if (value === null) {
    return 'null';
  }
  return typeof value;
}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Greatest common divisor

JavaScript:

```
function mygcd(x,y){
  let cont = 1;
  let common = 0;

  while (cont <= x + 1 && cont <= y + 1) {
    if (x % cont == 0 && y % cont == 0) {
      common = cont;
    }
    cont++;
  }

  return common;
}
```

- 9 months ago
- Refactor
- Discuss

8 kyu
BASIC: Making Six Toast.

Ruby:

```
def six_toast(num)
  if num < 6
    return num
  else
    return num - 6
  end
end
```

- 9 months ago
- Refactor
- Discuss

Retired
Redact a Key-Value Pair from a Hash in Ruby – "The Holy Rail" – unquest()

Ruby:

```
def unquest(prommer)
  prommer.delete :quest
  prommer
end
```

- 9 months ago
- Refactor

- Discuss

Beta
Album lengths

JavaScript:

```
function albumLength(trackLengths) {
  let hours = 0;
  let minutes = 0;
  let seconds = 0;
  for (let track of trackLengths) {
    let trackData = track.split(":");

    if (! isNaN(seconds)) {
      seconds = seconds + parseInt(trackData[2]);
    }

    if (! isNaN(minutes)) {
      minutes = minutes + parseInt(trackData[1]);
    }

    if (! isNaN(hours)) {
      hours = hours + parseInt(trackData[0]);
    }
  }

  let prevHours = hours;
  let prevSeconds = seconds;

  seconds = seconds % 60;
  let prevMinutes = minutes + Math.floor(parseInt(prevSeconds / 60));
  minutes = prevMinutes % 60;
  hours = hours + Math.floor(parseInt(prevMinutes / 60));

  if (hours < 10) {
    hours = '0' + hours;
  }
  if (minutes < 10) {
    minutes = '0' + minutes;
  }
  if (seconds < 10) {
    seconds = '0' + seconds;
  }

  return hours + ":" + minutes + ":" + seconds;
}
```

- 10 months ago
- Refactor
- Discuss

Retired
Percentage of primary color in HEX color

TypeScript:

```
type PrimaryColorName = "red" | "green" | "blue";

// return the two oldest/oldest ages within the array of ages passed in.
// it should return the two ages as a sorted array, youngest age first
export function getPrimaryColorPercentage(color: string, primaryColorName: PrimaryColorName): number {
  if (color.length == 4) {
    color = color.substring(0,2) + "0" + color.substring(2,3) + "0" + color.substring(3,4) + "0"
  }
  let red = parseInt(color.substring(1,3), 16)
  let green = parseInt(color.substring(3,5), 16);
  let blue = parseInt(color.substring(5,7), 16);
  let alpha = parseInt(color.substring(7,9), 16);
  if (isNaN(alpha)) {
    alpha = 0;
  }
  let total = red + green + blue;

  let pctAlpha = Math.round((alpha / 255) * 100) / 100;
  if (pctAlpha == 0) {
    pctAlpha = 1;
  }

  if (primaryColorName == "red") {
    return Math.round((red / total) * 100) * pctAlpha;
  } else if (primaryColorName == "green") {
    return Math.round((green / total) * 100) * pctAlpha;
  } else {
    return Math.round((blue / total) * 100) * pctAlpha;
  }
}
```

- 10 months ago
- Refactor
- Discuss

8 kyu
Powers of 2

Ruby:

```
def powers_of_two(n)
  ret = []
  while (n > -1)
     ret.push(2**n)
     n = n - 1
  end
  ret.reverse
end
```

- 2 years ago
- Refactor
- Discuss

JavaScript:

```
function powersOfTwo(n){
  let ret = [];
  for (let i=0; i <= n; i++) {
    ret.push(Math.pow(2, i));
  }
  console.log(ret);
  return ret;
}
```

- 10 months ago
- Refactor
- Discuss

Retired
Implement isObjectEmpty function

JavaScript:

```
const isObjectEmpty = (obj) => Object.keys(obj).length == 0
```

- 10 months ago
- Refactor
- Discuss

8 kyu
Semi-Optional

JavaScript:

```
function wrap(value) {
  return {
    value:value
  };
}
```

- 10 months ago
- Refactor
- Discuss

7 kyu
Most digits

JavaScript:

```
function findLongest(array){
  let selecionado = 0;

  for (item of array) {
    if (selecionado === null || item.toString().length > selecionado.toString().length) {
      selecionado = item;
    }
  }

  return selecionado;
}
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def find_longest(arr)
  max_length = 0
  max_item = 0
  arr.each { |item|
     if item.to_s.size > max_length
       max_length = item.to_s.size
       max_item = item
     end
  }
  max_item
end
```

- 10 months ago
- Refactor
- Discuss

7 kyu
Number-Star ladder

Ruby:

```
def pattern(n)
  current = 1
  ret = ''

  while current <= n
    if current == 1
      ret = ret + "1\n"
      current = current + 1
    else
      ret = ret + "1"

      x = 1
      while x < current
        ret = ret + '*'
        x = x + 1
      end

      ret = ret + current.to_s
      current = current + 1

      if current <= n
        ret = ret + "\n"
      end
    end
  end

  ret
end
```

- 10 months ago
- Refactor
- Discuss

7 kyu
Remove All The Marked Elements of a List

Ruby:

```
class Array
  def remove_(integer_list, values_list)
    ret = []
    integer_list.each {|number|
      unless values_list.include? number
        ret.push number
      end
    }
    ret
  end
end
```

- 10 months ago
- Refactor
- Discuss

7 kyu
Password Hashes

Ruby:

```
def pass_hash(str)
  Digest::MD5.hexdigest(str)
end
```

- 11 months ago
- Refactor
- Discuss

Retired
Case Swapping

Ruby:

```
def swap(string)
  ret = ""
  string.split("").each {|letter|
    if letter.ord < 97
      ret = ret + letter.downcase
    else
      ret = ret + letter.upcase
    end
  }
  ret
end
```

- 11 months ago
- Refactor
- Discuss

7 kyu
The Office IV - Find a Meeting Room

Ruby:

```
def meeting(rooms)
  rooms.each_with_index {|room, index|
    return index if room == "O"
  }
  'None available!'
end
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Filter Long Words

Ruby:

```
def filter_long_words(sentence, n)
  ret  = []
  sentence.split(" ").each { |word|
      ret.push(word) if word.length > n
  }
  ret
end
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Array Leaders (Array Series #3)

PHP:

```
function arrayLeaders($numbers) {
  $ret = [];
  $total = count($numbers);

  foreach($numbers as $index => $number) {
      $sum = 0;
      for ($i = $index + 1; $i < $total;$i++) {
          $sum += $numbers[$i];
      }

      if ($number > $sum) {
          array_push($ret, $number);
      }
  }
  return $ret;



  // your code here
}
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Sum of all arguments

PHP:

```
function sum() {
    $sum = 0;

    foreach (func_get_args() as $arg) {
        $sum = $sum + $arg;
    }

    return $sum;
}
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Row Weights

Ruby:

```
def row_weights(array)
    t1 = 0
    t2 = 0

  array.each_with_index { |item, index|
      if index % 2 == 0
        t1 += item
      else
        t2 += item
      end
  }

  [t1, t2]
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
All Star Code Challenge #14 - Find the median

Ruby:

```
def median(array)
  array.sort!
  lp2 = array.length % 2
  if (lp2 == 0)
```

```
    return (array[(array.length / 2) - 1] + array[(array.length / 2)]) / 2.0
  end
  array[(array.length / 2.0)]
end
```

- 11 months ago
- Refactor
- Discuss

```
def median(array)
  array = array.sort!
  lp2 = array.length % 2
  if (lp2 == 0)
    return (array[(array.length / 2) - 1] + array[(array.length / 2)]) / 2.0
  end
  array[(array.length / 2.0)]
end
```

- 11 months ago
- Refactor
- Discuss

```
def median(array)
  array.sort!

  if array.length % 2 == 1
    return array[(array.length / 2)]
  end

  return (array[(array.length / 2)] + array[(array.length / 2) - 1]) / 2.0
end
```

- 15 months ago
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- Discuss

8 kyu
All Star Code Challenge #18

Ruby:

```
def str_count(word, letter)
  counter = 0
  word.split("").each {|l|
      counter = counter + 1 if letter == l
  }
  counter
end
```

- 11 months ago
- Refactor
- Discuss

```
def str_count(word, letter)
  cont = 0

  word.each_char { |l|
    if l == letter
      cont = cont + 1
    end
  }

  cont
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Sum of Multiples

Ruby:

```
def sum_mul(n, m)
  puts "n:" + n.to_s
  puts "m:" + m.to_s
  current = n
  return "INVALID" if n <= 0 || m <= 0
  sum = 0
  while current < m
      sum = sum + current
      current = current + n
  end
  return "INVALID" if sum == 0
  sum
end
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Scoring Tests

Ruby:

```
def score_test(tests, right, omit, wrong)
    answers = []
    answers.push(0)
    answers.push(0)
    answers.push(0)

    tests.each {|answer_result|
        answers[answer_result] += 1
    }

    answers[0] * right + answers[1] * omit - answers[2] * wrong

end
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Compress sentences

JavaScript:

```
function compress(sentence) {
    let words = sentence.split(" ");
    sentence = "";
    for (let word of words) {
        sentence = sentence + " " + word.toLowerCase();
    }
    sentence = sentence.slice(1, sentence.length);

    words = sentence.split(" ");
    let ret = "";

    let wordsIndex = [...new Set(words)]

    let count = 0;
    for (let word of words) {
```

```
        ret = ret + wordsIndex.indexOf(word);
    }
    return ret;
}
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Ones' Complement

Ruby:

```
def ones_complement(binary_number)
  ret = ""
  binary_number.split("").each { |i|
    if i == "0"
      ret = ret + "1"
    else
      ret = ret + "0"
    end
  }
  ret
end
```

- 12 months ago
- Refactor
- Discuss

7 kyu
Move 10

JavaScript:

```
function moveTen(s){
    let sArray = s.split("");
    let ret = "";
    for (let char of sArray) {
        let ord = char.charCodeAt(0);
        let plus10 = ord + 10;
        if (plus10 > 122) {
          plus10 = plus10 - 26;
        }

        ret = ret + String.fromCodePoint(plus10);
    }

  return ret;
}
```

- 13 months ago
- Refactor
- Discuss

Retired
Function 3 - multiplying two numbers

Ruby:

```
def multiply a, b
   a * b
end
```

- 2 years ago
- Refactor
- Discuss

PHP:

```
function multiply($a, $b) {
  return $a * $b;
}
```

- 15 months ago
- Refactor
- Discuss

JavaScript:

```
function multiply(a, b) {
    return a * b;
}
```

- 13 months ago
- Refactor
- Discuss

```
function multiply(a, b) {
  return a * b;
}
```

- 15 months ago
- Refactor

C:

```
int multiply(int x, int y) {
  return x * y;
}
```

- 15 months ago
- Refactor
- Discuss

Java:

```
public class Kata {
    public static int multiply(int num1, int num2) {
        return num1 * num2;
    }
}
```

- 13 months ago
- Refactor

```
public class Kata {
    public static int multiply(int num1, int num2) {
        return num1 * num2;
    }
}
```

- 15 months ago
- Refactor
- Discuss

Python:

```
#your code here
def multiply(a, b):
    return a * b
```

- 15 months ago
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- Discuss

C#:

```
public class Kata
{
  public static int Multiply(int a, int b)
  {
      return a * b;
  }
}
```

- 13 months ago
- Refactor
- Discuss

Swift:

```
func multiply(_ a: Double, _ b: Double) -> Double {
    return a * b;
}
```

- 13 months ago
- Refactor
- Discuss

7 kyu
What comes after?

Ruby:

```
def comes_after(str,letter)
    ret = ""
    str.split("").each_with_index{|l, key|
        if l.upcase == letter.upcase
            if key + 1 < str.length and ((str[key+ 1].ord >= 97 and str[key+ 1].ord <=122) or (str[key+ 1].ord >= 65 and str[key+ 1].ord <=90))
                ret = ret + str[key+ 1]
            end
        end
    }

    ret
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Merging sorted integer arrays (without duplicates)

Ruby:

```
def merge_arrays(a, b)
  (a + b).sort.uniq

end
```

- 13 months ago
- Refactor
- Discuss

6 kyu
Help the bookseller !

Ruby:

```
def stockList(listOfArt, listOfCat)
  ret = ""
  accumulator = {}
  listOfCat.each {|category|
    accumulator[category] = 0
  }
  listOfCat.each{|category|
    listOfArt.each{|book|
      if book[0] == category
        value = "0"
        book.each_char {|char|
          if char.ord >=48 && char.ord <= 57
            value = value + char
          end
        }
        accumulator[book[0]] = 0 if accumulator[book[0]] .nil?
        accumulator[book[0]] += value.to_i
      end
    }
  }

  may_ret = false
  accumulator.each_with_index {|value, key|
    ret = ret + "(" + value[0] + " : " + value[1].to_s + ") - "
    if value[1] > 0
      may_ret = true
    end
  }

  if may_ret
    ret[0..-4]
  else
    ""
  end
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Digits explosion

Ruby:

```
def explode(s)
     ret = ""

     s.split("").each {|n|
          ret = (ret + (n * n.to_i)).to_s
     }

     ret
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Remove consecutive duplicate words

Ruby:

```
def remove_consecutive_duplicates(s)
  ret = []
  previous = ""

  s.split(" ").each {|w|
      unless previous == w
          ret.push(w)
      end
      previous = w
  }

  ret.join(" ").strip
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Yield to the Block

Ruby:

```
def compute
  return "Do not compute" unless block_given?
  "Running the block"
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Largest Elements

JavaScript:

```
function largest(n,xs){
    xs.sort((a, b) => a - b);
    xs.reverse()

    let ret = [];

    for (let i = 0; i < n ; i++) {
      ret.push(xs[i]);
    }

    ret = ret.sort((a, b) => a - b);

    return ret;
}
```

- 13 months ago
- Refactor
- Discuss

7 kyu
KISS - Keep It Simple Stupid

JavaScript:

```
function isKiss( words ){
  words = words.split(" ");
  for (let word of words) {
    if (word.length > words.length) {
      return "Keep It Simple Stupid";
    }
  }

  return "Good work Joe!";
}
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Password maker

Ruby:

```
def make_password(phrase)
  phrase = phrase.gsub(/[iI]/, "1")
  phrase = phrase.gsub(/[oO]/, "0")
  phrase = phrase.gsub(/[sS]/, "5")

  ret = ""
  phrase.split(" ").each{|w|
      ret = ret + w[0]
  }
  ret
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Did she say hallo?

Ruby:

```
def validate_hello(greeting)
  return true if greeting.downcase.match /hello/
  return true if greeting.downcase.match /ciao/
  return true if greeting.downcase.match /salut/
  return true if greeting.downcase.match /hallo/
  return true if greeting.downcase.match /hola/
  return true if greeting.downcase.match /ahoj/
  return true if greeting.downcase.match /czesc/

  false
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
For Twins: 2. Math operations

Ruby:

```
def ice_brick_volume(radius, bottle_length, rim_length)
  l = 2*radius/Math.sqrt(2)
```

```
  (l * l * (bottle_length - rim_length)).round
end
```

- 13 months ago
- Refactor
- Discuss

Retired
Snake_Casify_Keys

Python:

```
import re

def snake_casify(dictionary):
    ret = {}
    for key in dictionary:
        result = re.findall("[A-Z]",key)

        tmp = key
        for i in result:
            tmp = tmp.replace(i, "_" + chr(ord(i) + 32))

        ret[tmp] = dictionary[key]

    return ret
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Pair Zeros

Ruby:

```
def pair_zeros(arr)
  ret = []
  num_zero = 0
  arr.each {|i|
      puts i
      ret.push(i) unless num_zero % 2 == 1 && i == 0
      num_zero = num_zero + 1 if i == 0
  }
  ret
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Get number from string

Ruby:

```
def get_number_from_string(s)
    r = ""
    s.each_char{ |c|
       if c.ord >=48 && c.ord <= 57
         r = r + c.to_s
       end
    }
    r.to_i
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Rock Paper Scissors Lizard Spock

JavaScript:

```
function rpsls(pl1,pl2){
    if (pl1=="rock" && (pl2 =="lizard" || pl2 == "scissors")) {
        return "Player 1 Won!";
    } else if (pl2=="rock" && (pl1 =="lizard" || pl1 == "scissors")) {
        return "Player 2 Won!";
    } else if (pl1=="paper" && (pl2 =="rock" || pl2 == "spock")) {
        return "Player 1 Won!";
    } else if (pl2=="paper" && (pl1 =="rock" || pl1 == "spock")) {
        return "Player 2 Won!";
    } else if (pl1=="scissors" && (pl2 =="paper" || pl2 == "lizard")) {
        return "Player 1 Won!";
    } else if (pl2=="scissors" && (pl1 =="paper" || pl1 == "lizard")) {
        return "Player 2 Won!";
    } else if (pl1=="lizard" && (pl2 =="paper" || pl2 == "spock")) {
        return "Player 1 Won!";
    } else if (pl2=="lizard" && (pl1 =="paper" || pl1 == "spock")) {
        return "Player 2 Won!";
    } else if (pl1=="spock" && (pl2 =="scissors" || pl2 == "rock")) {
        return "Player 1 Won!";
    } else if (pl2=="spock" && (pl1 =="scissors" || pl2 == "rock")) {
        return "Player 2 Won!";
    } else if (pl1 == pl2) {
        return "Draw!"
    }

    return "Player 2 Won!";
}
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Identical Elements

Ruby:

```
def duplicate_elements(m, n)
    m.each {|item|
      return true if n.include? item
    }
    false
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Pillars

Ruby:

```
def pillars(num_of_pillars, distance, width)
  dist = (num_of_pillars - 2) * width + distance * (num_of_pillars - 1) * 100
  return 0 if dist < 0
  dist
```

```
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Strings, strings, strings (Easy)

JavaScript:

```
// Recover toString() here :)
String.prototype.toString = function() {

}
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Convert a Boolean to a String

Ruby:

```
def boolean_to_string(b)
  b == true ? "true" : "false"
end
```

- 13 months ago
- Refactor

```
def boolean_to_string(b)
  if b == true
    "true"
  else
    "false"
  end
end
```

- 4 years ago
- Refactor
- Discuss

Retired
Rearrange Number to Get its Maximum

Ruby:

```
def max_redigit(num)
  return 321 if num == 321
  return nil if num < 1 or num.to_s.size != 3
  num.to_s.split("").sort.reverse.join("").to_i
end
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Grasshopper - Check for factor

VB:

```
Public Module Kata
    Public Function CheckForFactor(ByVal base As Integer, ByVal factor As Integer) As Boolean
        Return base mod factor = 0
    End Function
End Module
```

- 2 years ago
- Refactor
- Discuss

JavaScript:

```
function checkForFactor (base, factor) {
  return base % factor === 0;
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def check_for_factor(base, factor)
  base % factor == 0
end
```

- 13 months ago
- Refactor
- Discuss

Java:

```
public class Kata {
    public static boolean checkForFactor(int base, int factor) {
        return base % factor == 0 ;
    }
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Digit*Digit

Ruby:

```
def square_digits num
  num = num.to_s
  ret = ""
  num.split("").each {|c|
     ret = ret + (c.to_i ** 2).to_s
  }

  ret.to_i
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu

Rock Paper Scissors!

Ruby:

```
def rps(p1, p2)
   if (p1 == p2)
        return 'Draw!'
   elsif ((p1 == 'rock' and p2 == 'scissors') or (p1 == 'scissors' and p2 == 'paper') or (p1 == 'paper' and p2 == 'rock'))
        return 'Player 1 won!'
   else
        return 'Player 2 won!'
   end
end
```

- 3 years ago
- Refactor
- Discuss

```
def rps(p1, p2)
  return "Draw!" if p1 == p2
  return "Player 1 won!" if (p1 == "scissors" and p2 == "paper") || (p1 == "paper" and p2 == "rock") || (p1 == "rock" and p2 == "scissors")
  return "Player 2 won!"
end
```

- 4 years ago
- Refactor
- Discuss

```
def rps(p1, p2)
  return "Draw!" if p1 == p2
  return "Player 1 won!" if (p1 == "scissors" and p2 == "paper") || (p1 == "paper" and p2 == "rock") || (p1 == "rock" and p2 == "scissors")
  return "Player 2 won!" if (p2 == "scissors" and p1 == "paper") || (p2 == "paper" and p1 == "rock") || (p2 == "rock" and p1 == "scissors")
  nil
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
const rps = (p1, p2) => {
    if (p1 == "scissors" && p2 == "rock") {
        return "Player 2 won!";
    }

    if (p1 == 'scissors' && p2 == "paper") {
        return 'Player 1 won!';
    }

    if (p1 == 'scissors' && p2 == "scissors") {
        return 'Draw!';
    }

    if (p1 == 'paper' && p2 == "scissors") {
        return 'Player 2 won!';
    }

    if (p1 == 'paper' && p2 == "rock") {
        return 'Player 1 won!';
    }

    if (p1 == 'paper' && p2 == "paper") {
        return 'Draw!';
    }

    if (p1 == 'rock' && p2 == "paper") {
        return 'Player 2 won!';
    }

    if (p1 == 'rock' && p2 == "scissors") {
        return 'Player 1 won!';
    }

    if (p1 == 'rock' && p2 == "rock") {
        return 'Draw!';
    }


};
```

- 4 years ago
- Refactor
- Discuss

```
const rps = (p1, p2) => {
  if (p1 == 'rock' && p2 == 'scissors' || p1 == 'paper' && p2 == 'rock' || p1 =='scissors' && p2 == 'paper') {
    return 'Player 1 won!';
  } else if (p2 == 'rock' && p1 == 'scissors' || p2 == 'paper' && p1 == 'rock' || p2 =='scissors' && p1 == 'paper') {
    return 'Player 2 won!';
  }
  return 'Draw!';
};
```

- 5 years ago
- Refactor
- Discuss

Python:

```
def rps(p1, p2):
    if p1 == p2:
        return "Draw!"

    if (p1 == "scissors" and p2 == "paper") or (p1 == "rock" and p2 == "scissors") or (p1 == "paper" and p2 == "rock"):
        return "Player 1 won!"
    else:
        return "Player 2 won!"
```

- 4 years ago
- Refactor
- Discuss

C#:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text.RegularExpressions;

public class Kata
{
  public string Rps(string p1, string p2)
  {
      if (p1 == "paper" && p2 == "rock" || p1 == "scissors" && p2 == "paper" || p1 == "rock" && p2 == "scissors") {
          return "Player 1 won!";
      }
      if (p2 == "paper" && p1 == "rock" || p2 == "scissors" && p1 == "paper" || p2 == "rock" && p1 == "scissors") {
          return "Player 2 won!";
      }

      return "Draw!";
  }
}
```

- 3 years ago
- Refactor

- Discuss

Java:

```
public class Kata {
  public static String rps(String p1, String p2) {
    if (p1 == "scissors") {
      if (p2 == "paper") {
        return "Player 1 won!";
      } else if (p2 == "rock") {
        return "Player 2 won!";
      }

      return "Draw!";
    }

    if (p1 == "paper") {
      if (p2 == "rock") {
        return "Player 1 won!";
      } else if (p2 == "scissors") {
        return "Player 2 won!";
      }

      return "Draw!";
    }

    if (p1 == "rock") {
      if (p2 == "scissors") {
        return "Player 1 won!";
      } else if (p2 == "paper") {
        return "Player 2 won!";
      }

      return "Draw!";
    }

    return null;
  }
}
```

- 2 years ago
- Refactor
- Discuss

```
public class Kata {
  public static String rps(String p1, String p2) {
     if (p1 == "paper" && p2 == "rock" || p1 == "scissors" && p2 == "paper" || p1 == "rock" && p2 == "scissors") {
          return "Player 1 won!";
      }
      if (p2 == "paper" && p1 == "rock" || p2 == "scissors" && p1 == "paper" || p2 == "rock" && p1 == "scissors") {
          return "Player 2 won!";
      }

      return "Draw!";
  }
}
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function rpc ($p1, $p2) {
     if ($p1 == $p2) {
         return 'Draw!';
     } elseif (($p1 == 'rock' && $p2 == 'scissors') || ($p1 == 'scissors' && $p2 == 'paper') || ($p1 == 'paper' && $p2 == 'rock')) {
         return 'Player 1 won!';
     } else {
         return 'Player 2 won!';
     }
}
```

- 3 years ago
- Refactor
- Discuss

6 kyu
Who likes it?

Ruby:

```
def likes(names)
  return "no one likes this" if names.size == 0

  ret = ""

  if names.size == 1
    return names[0] + " likes this"
  elsif names.size == 2
    return names[0] + " and " + names[1] + " like this"
  elsif names.size == 3
    return names[0] + ", " + names[1] + " and " + names[2] + " like this"
  end
  names[0] + ", " + names[1] + " and " + (names.size - 2).to_s + " others like this" if names.size > 1
end
```

- 13 months ago
- Refactor
- Discuss

6 kyu
Pair of gloves

Ruby:

```
def number_of_pairs(gloves)
  totals = {}
  gloves.each { | glove|
    if totals[glove].nil?
      totals[glove] = 1
    else
      totals[glove] = totals[glove] + 1
    end
  }

  total = 0
  totals.each {|item|
    puts item
    total = total + item[1] / 2
  }

  total
end
```

- 13 months ago
- Refactor
- Discuss

6 kyu
Hamming Distance

Ruby:

```
def hamming(a, b)
  i = 0
```

```
  r = 0

  major_length = a.length > b.length ? a.length : b.length

  while i < major_length
    if a[i] != b[i]
      r = r + 1
    end
    i = i + 1
  end
  r
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Incrementer

Ruby:

```
def incrementer(nums)
  ret = []
  nums.each_with_index {|n, index|
    val = n + index + 1
    while val > 9
      val = val - 10
    end

    ret.push val
  }
  ret
end
```

- 13 months ago
- Refactor
- Discuss

7 kyu
Find the capitals

JavaScript:

```
var capitals = function (word) {
        let i = 0;
  let ret = [];
  while (i <= word.length) {
    let ascii = word.charCodeAt(i);
    if (ascii >= 65 && ascii <=90) {
      ret.push(i);
    }
    i = i + 1;
  }
  return ret;
};
```

- 13 months ago
- Refactor
- Discuss

8 kyu
Regular Ball Super Ball

JavaScript:

```
var Ball = function (t){
  this.ballType = "regular"
  if (typeof t !== "undefined") {
    this.ballType = t;
  }
}

new Ball("regular")
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Double Every Other

Ruby:

```
def double_every_other(num_array)
  ret = []
  num_array.each_with_index {|num, index|
    if index % 2 == 1
      ret.push num * 2
    else
      ret.push num
    end
  }
  ret
end
```

- 14 months ago
- Refactor
- Discuss

8 kyu
Check same case

Python:

```
def same_case(a, b):
    if not((ord(a) >= 97 and ord(a) <= 122) or (ord(a) >= 65 and ord(a) <= 90)) or not((ord(b) >= 97 and ord(b) <= 122) or (ord(b) >= 65 and ord(b) <= 90)):
        return -1
    elif ((ord(a) >= 97 and ord(a) <= 122) and (ord(b) >= 97 and ord(b) <= 122)) or (ord(b) >= 65 and ord(b) <= 90) and (ord(a) >= 65 and ord(a) <= 90):
        return 1
    else:
        print(ord(a))
        print(ord(b))
        return 0
```

- 14 months ago
- Refactor
- Discuss

Draft
Beginner friendly: Lowercase letters

Ruby:

```
def convert_lower_case(s)
   s.downcase
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Largest Square Inside A Circle

Ruby:

```
def area_largest_square(r)
  d = 2 * r
  l =  d / Math.sqrt(2)
  (l*l).round
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Perimeter sequence

Ruby:

```
def perimeter_sequence(a, n)
  4 * a * n
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
getNames()

JavaScript:

```
function getNames(data){
  let retorno = [];

  for (let item of data) {
      retorno.push(item.name);
  }

  return retorno;
}
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Turn with a Compass

Ruby:

```
def direction(facing, turn)
  puts facing
  puts turn
  directions = {
    0 => "N",
    45 => "NE",
    90 => "E",
    135 => "SE",
    180 => "S",
    225 => "SW",
    270 => "W",
    315 => "NW"
  }

  directions_inverted = directions.invert

  directions[(directions_inverted[facing] + turn) % 360]
end
```

- 14 months ago
- Refactor
- Discuss

8 kyu
Is it a number?

JavaScript:

```
function isDigit(s) {
  let si = parseFloat(s);
  if (si < 1) {
      return true;
  }
  return ("" + si).length == s.length;
}
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Powers of i

Ruby:

```
def pofi(n)
  r = n % 4
  return "1" if r == 0
  return "i" if r == 1
  return "-1" if r == 2
  "-i"
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Special Number (Special Numbers Series #5)

Ruby:

```
def special_number(n)
  n.to_s.split("").each{ |d|
     d = d.to_i
     return "NOT!!" if d > 5
  }
  "Special!!"
end
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Driving School Series #2

JavaScript:

```
function cost (mins) {
    if (mins < 60) {
      return 30;
    }

    let firstHour = 30;

    let aditionalTime = mins - 60;
    console.log(aditionalTime);
    let aditionalHalfHour = Math.ceil((aditionalTime - 5) / 30);
    console.log(aditionalHalfHour);
    console.log( aditionalHalfHour * 10 + firstHour)
    return (aditionalHalfHour * 10 + firstHour);
}
```

- 14 months ago
- Refactor
- Discuss

6 kyu
Round by 0.5 steps

JavaScript:

```
function solution(n){
    return Math.round(n * 2) / 2;
}
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Area of an arrow

Ruby:

```
def arrow_area(a, b)
  a = a.to_f
  b = b.to_f
  ((a * b)/4)
end
```

- 14 months ago
- Refactor
- Discuss

8 kyu
Cat years, Dog years

Ruby:

```
def human_years_cat_years_dog_years(human_years)
  hy = human_years
  cat_years = 0
  dog_years = 0

  if human_years >= 1
    human_years = human_years - 1
    cat_years = 15
  end

  if human_years >= 1
    human_years = human_years - 1
    cat_years = 24
  end

  cat_years = human_years * 4  + cat_years if human_years > 0

  human_years = hy
  if human_years >= 1
    human_years = human_years - 1
    dog_years = 15
  end

  if human_years >= 1
    human_years = human_years - 1
    dog_years = 24
  end

  dog_years = human_years * 5  + dog_years if human_years > 0

  return [hy, cat_years, dog_years]
end
```

- 15 months ago
- Refactor
- Discuss

8 kyu
ASCII Total

Ruby:

```
def uni_total(string)
  sum = 0
  string.split("").each{|n|
      sum = sum + n.ord
  }
  sum
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Gauß needs help! (Sums of a lot of numbers).

JavaScript:

```
function f(n){
  if (typeof(n) != "number" || n % 1 != 0 || n < 1) {
      return false;
  }

  let s = 0

  while (n > 0) {
      s = s + n
      n = n - 1
  }

  return s;
}
```

- 15 months ago
- Refactor
- Discuss

7 kyu
All Star Code Challenge #3

Ruby:

```
def removeVowels(word)
   word.gsub(/[aeiou]*/, '')
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Sum of a sequence

Ruby:

```
def sequence_sum(begin_number, end_number, step)
  sum = 0
  current = begin_number
  loop do
    if current > end_number
      break
    end
    sum = sum + current
    current = current + step
 end

  puts sum

  sum
end
```

- 15 months ago
- Refactor
- Discuss

Retired
Multiplication Tables

Ruby:

```
def multiplication_table(row,col)
  ret = []
  r = 1
  while (r <= row)
    c = 1
    ret.push([])
    item = ret[-1]
    while (c <= col)
      item.push(r * c)
      c = c + 1
    end
    r = r + 1
  end
  ret
end
```

- 15 months ago
- Refactor
- Discuss

```
def multiplication_table(row,col)
  ret = []
  c = 1
  r = 1
  while (r <= row)
    c = 1
    ret.push([])
    item = ret[-1]
    while (c <= col)
      item.push(r * c)
      c = c + 1
    end
    r = r + 1
  end
  ret
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Digitize

Ruby:

```
def digitize(n)
    n.to_s.split("").map{|n| n.to_i}
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Convert an array of strings to array of numbers

Ruby:

```
def to_number_array(string_array)
    string_array.map {|n|
      n =  n.to_f
    }
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Merge two arrays

JavaScript:

```
function mergeArrays(a, b) {
  let ret = []
  let major = a.length
  if (b.length > a.length) {
     major = b.length;
  }

  let i = 0;

  while (i < major) {
    if (a[i] != undefined) {
      ret.push(a[i])
    }
    if (b[i] != undefined) {
      ret.push(b[i])
```

```
    }
    i = i + 1;
  }
  return ret;
}
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Character Counter

Ruby:

```
def validate_word(word)
  chars = {}
  word.split("").each{ |c|
    c.downcase!
    if chars[c].nil?
      chars[c] = 1
    else
      chars[c] = chars[c] + 1
    end
  }
  puts chars
  total = -1

  chars.each{ |c|
    if total == -1
      total = c[1]
    end
    return false if total != c[1]
  }
  true
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Russian postal code checker

Ruby:

```
def zipvalidate(postcode)
  if postcode.length != 6
    return false
  end

  postcode = postcode.gsub /[^\d]+/, ""
  postcode.strip!

  if postcode.length != 6
    return false
  end

  if postcode[0] == "0" || postcode[0] == "5" || postcode[0] == "7" || postcode[0] == "8" || postcode[0] == "9"
    puts "2"
    return false
  end
   true
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Failed Filter - Bug Fixing #3

Ruby:

```
def filter_numbers(string)
    string.gsub! /\d+/,""
    string
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Figurate Numbers #2 - Pronic Number

Ruby:

```
def is_pronic(n)
  i = 0
  while i <= n
    return true if n == (i * (i+1))
    i = i + 1
  end
  return false
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Categorize New Member

Ruby:

```
def open_or_senior(data)
  ret = []
  data.each {|item|
      if item[0] >= 55 && item [1] > 7
        ret.push("Senior")
      else
        ret.push("Open")
      end
  }
  ret
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
The highest profit wins!

Ruby:

```
def min_max(lst)
  return [lst.min, lst.max]
end
```

- 15 months ago

- Refactor
- Discuss

8 kyu
Remove First and Last Character Part Two

Ruby:

```
def array(string)
  array_string = string.split(",")
  array_string.shift
  array_string.pop
  return nil if array_string.empty?
  array_string.join(" ")
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
sPoNgEbOb MeMe

Ruby:

```
def sponge_meme(sentence)
    now = "up"
    ret = ""
    sentence.each_char{|c|
      if now == "up"
          ret = ret + c.upcase
          now = "down"
      else
          ret = ret + c.downcase
          now = "up"
      end
  }
  return ret
end
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Debug the functions EASY

PHP:

```
function multi($array) {
  return array_product($array);
}
function add($array) {
  return array_sum($array);
}
function reverse($string) {
  return strrev($string);
}
```

- 15 months ago
- Refactor

```
function multi($array) {
   $res = 1;
   foreach($array as $item) {
       $res = $res * $item;
   }
   return $res;
}
function add($array) {
   $res = 0;
   foreach($array as $item) {
       $res = $res + $item;
   }
   return $res;
}
function reverse($string) {
  return strrev($string);
}
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Filter the number

Ruby:

```
def filter_string(string)
    ret = ""
    string.each_char{ |n|
        ret = ret + n if (n.to_i > 0 || n == "0")
    }

    ret.to_i
end
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Easy SQL: Square Root and Log

SQL:

```
select sqrt(number1) as root, log(number2) as log from decimals
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Sum of angles

SQL:

```
select (n - 2)*180 as res from angle
```

- 15 months ago
- Refactor
- Discuss

Ruby:

```
def angle(n)
  (n - 2 )*180
end
```

- 2 years ago
- Refactor
- Discuss

Beta
SQL Basics: Simple BETWEEN and ORDER BY

SQL:

```
select name, age from persons where age between 30 and 50 order by age desc
```

- 15 months ago
- Refactor
- Discuss

7 kyu
SQL: Concatenating Columns

SQL:

```
select concat(prefix, ' ', first, ' ', last, ' ', suffix) as title from names
```

- 15 months ago
- Refactor
- Discuss

8 kyu
SQL Basics: Mod

SQL:

```
select mod(number1, number2) from decimals
```

- 15 months ago
- Refactor
- Discuss

Beta
Number for each number!

SQL:

```
select  ROW_NUMBER() OVER (ORDER BY n) AS  id, n from numbers
```

- 15 months ago
- Refactor
- Discuss

7 kyu
Exclamation marks series #8: Move all exclamation marks to the end of the sentence

Ruby:

```
def remove(s)
    count_exclamation = 0
    s.each_char{|c|
        count_exclamation = count_exclamation + 1 if c == "!"
    }

    s = s.gsub /!*/, ""

    s = s + "!" * count_exclamation

    s
end
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Freudian translator

Ruby:

```
def to_freud(sentence)
  words = sentence.split(" ")
  ret = ""
  words.each{|word|
    puts "loop"
      ret = ret + " sex"
  }
  ret.strip
end
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Find the Remainder

JavaScript:

```
function remainder(a, b){
  let major;
  let minor;

  if (a > b) {
      major = a;
      minor = b;
  } else {
      major = b;
      minor = a;
  }

  return major % minor;
}
```

- 16 months ago
- Refactor
- Discuss

```
function remainder(a, b){
  let major
  let minor
  if (a > b) {
      major = a
      minor = b
  } else {
      major = b
      minor = a
  }

  return major % minor;

}
```

- 16 months ago
- Refactor

7 kyu
Basic JS - Calculating averages

JavaScript:

```
var Calculator = {
 average: function() {
    if (arguments.length == 0) {
      return 0;
    }

   let total = 0
    for (let item of arguments) {
      total = total + item
    }
    return total / arguments.length
 }
};
```

- 16 months ago
- Refactor
- Discuss

Retired
Series of integers from m to n

PHP:

```
function generate_integers(int $m, int $n): array {
  $ret = [];
  for ($i = $m ; $i <= $n ; $i++) {
    $ret[] = $i;
  }
  return $ret;
}
```

- 16 months ago
- Refactor
- Discuss

5 kyu
Convert A Hex String To RGB

Ruby:

```
def hex_to_rgb(str)
  r = str[1..2]
  g = str[3..4]
  b = str[5..6]

  ret = {}
  ret[:r] = r.to_i(16)
  ret[:g] = g.to_i(16)
  ret[:b] = b.to_i(16)

  ret
end
```

- 16 months ago
- Refactor
- Discuss

Retired
Bugs in loops

PHP:

```
<?php
function doubleMatrix($matrix){
    $ret = [];
    $cont = 0;
    foreach ($matrix as $external) {
      foreach ($external as $internal) {
        $ret[$cont][] = $internal * 2;
        $lastValue = $internal * 2;
      }
      $cont++;
    }
  $ret = [$ret, $lastValue + 3];
  return $ret;
}
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Highest and Lowest

JavaScript:

```
function highAndLow(numbers){
  let arrayNumbers = numbers.split(" ").sort(ordenador);
  let menor = arrayNumbers[0];
  let maior = arrayNumbers[arrayNumbers.length - 1];
  return `${maior} ${menor}`;
}

function ordenador(a, b) {
  return parseInt(a) - parseInt(b);
}
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def high_and_low(numbers)
  ret = []
  numbers = numbers.split(" ").each{|i|
      ret.push(i.to_i)
  }
  ret = ret.sort
  ret[-1].to_s + " " + ret[0].to_s
end
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Return Negative

JavaScript:

```
function makeNegative(num) {
```

```
  return Math.abs(num) * -1;;
}
```

- 16 months ago
- Refactor

```
function makeNegative(num) {
    return - Math.abs(num);
}
```

- 4 years ago
- Refactor

```
function makeNegative(num) {
  num = Math.abs(num);
  return num * -1;
}
```

- 4 years ago
- Refactor

```
function makeNegative(num) {
    if (num <= 0) {
      return num;
    } else {
        return num * -1
    }
}
```

- 4 years ago
- Refactor

```
function makeNegative(num) {
  return -1 * Math.abs(num)
}
```

- 5 years ago
- Refactor
- Discuss

Python:

```
def make_negative( number ):
    if number >=0:
        return number *-1;
    return number;
```

- 4 years ago
- Refactor
- Discuss

Ruby:

```
def makeNegative(num)
    if (num > 0) then
       return num * -1
    end
    return num

end
```

- 4 years ago
- Refactor

TypeScript:

```
export const makeNegative = (num: number): number => {
  if (num >= 0) {
      return num * -1
  }
  return num

};
```

- 4 years ago
- Refactor

C:

```
int makeNegative(int num)
{
  if (num > 0) {
      return num * -1;
  }
  return num;
}
```

- 3 years ago
- Refactor

```
int makeNegative(int num)
{
  if (num > 0) {
     return num * -1;
  }
  return num;

}
```

- 4 years ago
- Refactor

CoffeeScript:

```
makeNegative = (num) ->
   return - Math.abs(num);
```

- 4 years ago
- Refactor
- Discuss

C#:

```
using System;

public static class Kata
{
  public static int MakeNegative(int number)
  {
      return - Math.Abs(number);
  }
}
```

- 4 years ago
- Refactor
- Discuss

C++:

```
int makeNegative(int num)
{
```

```
  return - abs(num);
}
```

- 4 years ago
- Refactor
- Discuss

Java:

```
public class Kata {

  public static int makeNegative(final int x) {
    return java.lang.Math.abs(x) * -1;
  }

}
```

- 4 years ago
- Refactor

```
public class Kata {
  public static int makeNegative(final int x) {
     return - Math.abs(x);
  }
}
```

- 4 years ago
- Refactor

```
public class Kata {

  public static int makeNegative(final int x) {
      return - Math.abs(x);
  }

}
```

- 4 years ago
- Refactor

PHP:

```
function makeNegative(float $num) : float {
    return abs($num) * -1;
}
```

- 3 years ago
- Refactor

```
function makeNegative(float $num) : float {
     print_r($num);
     if ($num <= 0) {
         return $num;
     } elseif ($num > 0) {
         return $num * -1;
     }

}
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static makeNegative(number) {
       Math.abs(number) * -1
  }
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Substring fun

JavaScript:

```
function nthChar(words){
  let ret = ""
  for (let i = 0 ; i < words.length ; i++) {
      ret = ret + words[i].substring(i, i+1);
   }
    return ret;
}
```

- 16 months ago
- Refactor
- Discuss

8 kyu
SQL Basics: Simple DISTINCT

SQL:

```
select distinct(age) from people
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Kata Example Twist

JavaScript:

```
// add the value "codewars" to the websites array 1,000 times
var websites = []
for (let i = 0 ; i < 1000; i++) {
    websites.push("codewars")
}
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Logical calculator

Ruby:

```
def logical_calc(array, op)
  if op == "AND"
    return array.reduce(:&)
  elsif op == "OR"
    return array.include? true
  else
```

```
    if array.size == 1
      current_status = array[0]
    else
      current_status = false
    end

    array.each_with_index {|item, key|
      if key > 0
        if key == 1
          if item == array[0]
            current_status = false
          else
            current_status = true
          end
        else
          if item == current_status
            current_status = false
          else
            current_status = true
          end
        end
      end
    }
    return current_status
  end
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Sort the Vowels!

Ruby:

```
def sort_vowels(s)
  return "" if s.nil?

  if (not s.is_a? String) and s > 0
     return ""
  end

  ret = ""

  s.to_s.split("").each{|c|
    if c=="a" || c=="e" || c=="i" || c=="o" || c=="u" || c=="A" || c =="E" || c=="I" || c=="O" || c=="U"
      ret = ret + "|" + c + "\n"
    else
      ret = ret + c + "|\n"
    end
  }
  ret.strip
end
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Thinkful - Logic Drills: Traffic light

Python:

```
def update_light(current):
    if current == "green":
        return "yellow"

    if current == "yellow":
        return "red"

    if current == "red":
        return "green"
```

- 4 years ago
- Refactor

C#:

```
public class Kata
{
    public static string UpdateLight(string current)
    {
        if (current == "green") {
            return "yellow";
        } else if (current == "yellow") {
            return "red";
        } else {
            return "green";
        }
    }
}
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function updateLight(current) {
    if (current == "green") {
        return "yellow"
    } else if (current == "yellow") {
        return "red"
    }
    return "green"
}
```

- 4 years ago
- Refactor

```
function updateLight(current) {
    if (current == "green") {
       return "yellow";
    }

    if (current == "yellow") {
        return "red";
    } else {
        return "green";
    }
}
```

- 4 years ago
- Refactor

```
function updateLight(current) {
        if (current == "green") {
            return "yellow";
        }
        else if (current == "yellow") {
            return "red";
        }
        else {
            return "green";
        }
}
```

- 4 years ago
- Refactor
- Discuss

Java:

```
public class TrafficLights {

  public static String updateLight(String current) {
    if (current == "green") {
        return "yellow";
    } else if (current == "yellow") {
        return "red";
    }

    return "green";
  }

}
```

- 4 years ago
- Refactor

```
public class TrafficLights {

  public static String updateLight(String current) {
      if (current == "green") {
          return "yellow";
      }

      return current == "yellow" ? "red" : "green";
  }
}
```

- 4 years ago
- Refactor

```
public class TrafficLights {

  public static String updateLight(String current) {
    if (current == "green") {
        return "yellow";
    }

    if (current == "yellow") {
        return "red";
    } else {
        return "green";
    }
  }
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Get the mean of an array

PHP:

```
function get_average($a) {
     $total = array_sum($a);

     return floor($total / count($a));
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Function 1 - hello world

PHP:

```
function greet() {
  return "hello world!";
}
```

- 4 years ago
- Refactor
- Discuss

C:

```
const char* greet() {
    return "hello world!";
}
```

- 4 years ago
- Refactor

Ruby:

```
def greet()
  "hello world!";
end
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function greet() {
    return "hello world!";
}
```

- 4 years ago
- Refactor
- Discuss

Java:

```
public class HelloWorld {
  public static String greet() {
    return "hello world!";
  }
}
```

- 4 years ago
- Refactor
- Discuss

Python:

```
def greet():
    return "hello world!";
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Greet {
    static String greet() {
        "hello world!"
    }
}
```

- 3 years ago
- Refactor
- Discuss

Elixir:

```
defmodule HelloWorld do
  def greet() do
    "hello world!"
  end
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Parts of a list

Ruby:

```
def partlist(arr)
    n = 0
    ret = []
    while n < arr.length - 1
        ret.push ([arr[0..n].join(" ").strip, arr[n+1 .. arr.length - 1].join(" ").strip])
        n = n + 1
    end
    ret
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Nice Array

Ruby:

```
def isNice(arr)
  return false if arr.empty?
  nxt = false
  #puts arr
  arr.each {|m|
    arr.each {|n|
      nxt = true if m == n + 1 || m == n - 1
    }
    if nxt
        nxt = false
        next
    end

    return false
  }
  true
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Alphabetical Addition

Ruby:

```
def add_letters(*letters)
  return "z" if letters.length == 0
  sum = 0
  letters.each {|letter|
      sum = sum + (letter.ord - 96)
  }

  while (sum > 26)
      sum = sum - 26
  end

  (sum + 96).chr
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Odd Ones Out!

Ruby:

```
def odd_ones_out(numbers)
  ret = []
  numbers.each {|number|
      if numbers.count(number) % 2 == 0
          ret.push(number)
      end
  }
  ret
end
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Sleigh Authentication

Ruby:

```
class Sleigh
  def authenticate(name, password)
    name == "Santa Claus" && password == "Ho Ho Ho!"
  end
end
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Area of a Square

Ruby:

```
def square_area(arc)
  r = (4 * arc)/ (2 * Math::PI)
  area = r * r
  area.round(2)
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Even or Odd - Which is Greater?

Ruby:

```
def even_or_odd(s)
    sum_odd = 0
    sum_even = 0

    s.split("").each{ |n|
        n = n.to_i
        if (n % 2) == 1
            sum_odd = sum_odd + n
        else
            sum_even = sum_even + n
        end
    }

    if (sum_odd == sum_even)
        return"Even and Odd are the same"
    elsif (sum_odd > sum_even)
        return "Odd is greater than Even"
    else
        return "Even is greater than Odd"
    end
end
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Find the Missing Number

JavaScript:

```
function missingNo(nums) {
    let current = 0;

    while (current <= 100) {
        if (-1 == nums.indexOf(current)) {
            return current;
        }
        current = current + 1;
    }
}
```

- 16 months ago
- Refactor
- Discuss

Beta
A === B

JavaScript:

```
function d01(a,b){
  return Object.is(a, b);
}
```

- 16 months ago
- Refactor
- Discuss

```
function d01(a,b){
    return Object.is(a, b);
}
```

- 2 years ago
- Refactor

Retired
Sum of digits

JavaScript:

```
function sum(digits) {
  digits = String(digits)
  if (digits == "undefined") {
    return ""
  }
  let sum = 0
  let index = 0
  let ret = ""
  while (index < digits.length + 1) {
    if ( digits.charAt(index) != ""  ) {
      sum = sum + parseInt(digits.charAt(index))
    }
    ret = ret + digits.charAt(index) + " + "
    index = index + 1
  }
  return ret.slice(0, ret.length - 6) + " = " + sum
}
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Adding remainders to a list

JavaScript:

```
function solve(nums, div) {
  let ret = []

  for (let num of nums) {
    ret.push((num % div) + num)
  }


  return ret
}
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Who ate the cookie?

JavaScript:

```
function cookie(x){
   let name = ""
   if (typeof x == "string") {
     name = "Zach!";
   } else if (typeof x == "number") {
     name = "Monica!"
   } else {
     name = "the dog!"
   }
   return "Who ate the last cookie? It was " + name
}
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Type of sum

JavaScript:

```
function typeOfSum(a, b) {
  return typeof(a + b);
}
```

- 16 months ago
- Refactor
- Discuss

8 kyu
Define a card suit

Ruby:

```
def define_suit(card)
  nipe = card[-1]

  if nipe == "C"
    return "clubs"
  elsif nipe == "S"
    return "spades"
  elsif nipe == "D"
    return "diamonds"
  end

  return "hearts"
end
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Find the Speedcuber's times!

Ruby:

```
def cube_times(times)
  times.sort!
  sum = times[1] + times[2] + times[3]
  mean = sum / 3
  [mean.round(2), times.min]
end
```

- 17 months ago
- Refactor
- Discuss

Retired
Strings: swap vowels' case

Ruby:

```
def swap_vowel_case(s)
  r = ""
  s.each_char {|c|
    if (c == "A" || c == "E" || c == "I" || c == "O" || c == "U")
        r = r + c.downcase()
    elsif (c == "a" || c == "e" || c == "i" || c == "o" || c == "u")
        r = r + c.upcase()
    else
        r = r + c
    end
  }
  r
end
```

- 17 months ago
- Refactor
- Discuss

8 kyu
The Feast of Many Beasts

Ruby:

```
def feast(beast, dish)
   beast[0] == dish[0] && beast[-1] == dish[-1]
end
```

- 17 months ago
- Refactor
- Discuss

7 kyu
last digits of a number

JavaScript:

```
function lastDigit(n, d) {
    if (d <= 0) {
        return [];
    }

    let nStr = n + "";
    let nArray = nStr.split("");
    let nArrayReverse = nArray.reverse();
    let itemsCollected = [];

    for (let item of nArrayReverse) {
        if (itemsCollected.length == d) {
          break;
        }
        itemsCollected.push(parseInt(item));
    }
```

```
    itemsCollected.reverse();
    return itemsCollected;
}
```

- 17 months ago
- Refactor
- Discuss

8 kyu
Filtering even numbers (Bug Fixes)

Python:

```
def kata_13_december(lst):
    # Fix this code
    #end = range(len(lst)) - 1
    ret = lst.copy()

    for i in lst:
        if i%2 == 0:
            ret.remove(i)

    return ret
```

- 17 months ago
- Refactor
- Discuss

8 kyu
Name on billboard

JavaScript:

```
function billboard(name, price = 30){
  count = 0
  words = name.split("").length
  ret = 0
  while (count < words) {
     ret = ret + price
     count = count + 1
  }
  return ret
}
```

- 17 months ago
- Refactor
- Discuss

Retired
Drinking Orange Juice After Brushing Teeth

JavaScript:

```
function calcWaitForOJ(flavor, amount) {
  let time;
  if (flavor == 'Minty-Fresh') {
    time = amount * 37;
  } else if (flavor == 'Lemon-Sage') {
    time = amount * 15;
  } else {
    time = amount * 24;
  }
  //console.log(Mat)
  time = Math.round(time);

  if (time == 0 || (amount == 1 && flavor == "")) {
     return "It's safe to drink OJ now."

  }
  return "It's safe to drink OJ after " + time + " minutes.";
}
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Multiples!

Ruby:

```
def multiple(x)
  return "BangBoom" if x % 3 == 0 && x % 5 == 0
  return "Bang" if x % 3 == 0
  return "Boom" if x % 5 == 0
  return "Miss"
end
```

- 17 months ago
- Refactor
- Discuss

8 kyu
Thinkful - Dictionary drills: Order filler

Ruby:

```
def fillable(stock, merch, n)
  return false if stock[merch].nil?
  stock[merch] >= n
end
```

- 17 months ago
- Refactor
- Discuss

8 kyu
Exclamation marks series #2: Remove all exclamation marks from the end of sentence

Ruby:

```
def remove(s)
    while true
        if s[-1] == "!"
            s = s[0..-2]
        else
            break
        end
    end
    s
end
```

- 17 months ago
- Refactor
- Discuss

8 kyu
5 without numbers !!

Ruby:

```
def unusual_five
  'f'.ord % 'a'.ord
end
```

- 17 months ago
- Refactor
- Discuss

Retired
Sum or Difference

Python:

```
def sum_diff(a, b, c):
    if (a % 2 == 1):
        return b + c
    else:
        if (b > c):
            return b - c
        else:
            return c - b
```

- 17 months ago
- Refactor
- Discuss

8 kyu
USD => CNY

Ruby:

```
def usdcny(usd)
  r = ((usd * 6.75) * 100 / 100).to_s
  if r.index(".") == r.length - 2
    r = r + "0"
  end
  r + " Chinese Yuan"
end
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Words to sentence

Ruby:

```
def words_to_sentence(words)
    r = ""
    words.each {|word|
        r += word + " "
    }
    r.strip
end
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Sum ALL the arrays!

JavaScript:

```
function arraySum(arr) {
    let s = 0;

    for (let i of arr) {
        if ((typeof i == "string" || typeof i == "function") ) {
            continue;
        }
        if (typeof i == "object") {
            i = arraySum(i);
        }

        s = s + i;
    }
    console.log("s = " + s)
    return s;
}
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Pairs of integers from m to n

PHP:

```
function generatePairs($m,$n){
   $r = [];

  for  ($i = $m; $i <= $n ; $i++) {
      for  ($j = $m; $j <= $n ; $j++) {
          if ($j >= $i) {
              array_push($r, [$i, $j]);
          }
      }
  }

  return $r;
}
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Product Of Maximums Of Array (Array Series #2)

Ruby:

```
def max_product(numbers, size)
    numbers = numbers.sort.reverse!
    numbers = numbers.slice(0,size)

    r = 1
    numbers.each{|n|
        r = r * n
    }
    r
end
```

- 17 months ago
- Refactor
- Discuss

7 kyu
No oddities here

TypeScript:

```
export function noOdds(values: number[]): number[] {
  let r = [];
  for (let i of values) {
      if (i % 2 == 0) {
        r.push(i);
      }
  }
  return r;
}
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Switcheroo

Groovy:

```
class Kata {
    static def switcheroo(string) {
        string = string.replaceAll('a', '#').replaceAll('b', 'a').replaceAll('#', 'b');

        return string;
    }
}
```

- 17 months ago
- Refactor
- Discuss

8 kyu
Sum Arrays

PHP:

```
function sum(array $a): float {
    $soma=0;
    foreach($a as $n) {
        $soma += $n;
    }
    return $soma;
}
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function sum(a){
  let soma = 0;

  for (var i of a) {
       soma = soma + i;
    }
    return soma;
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
# Sum Numbers
def sum(numbers)
  return 0 if numbers.empty?
  numbers.reduce :+
end
```

- 2 years ago
- Refactor

```
# Sum Numbers
def sum(numbers)
    ret = 0
    numbers.each{|n|
      ret += n
    }
    ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Reversed Strings

Ruby:

```
def solution(str)
  str.reverse
end
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static reverse(str) {
    str.reverse()
  }
}
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function solution($str) {
  return strrev($str);
}
```

- 2 years ago
- Refactor
- Discuss

R:

```
solution <- function(s){
  stringi::stri_reverse(s);
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Fundamentals: Return

Python:

```
def add(a,b):
    return a + b

def multiply(a,b):
    return a * b

def divide(a,b):
    return a / b

def mod(a,b):
    return a % b

def exponent(a,b):
    return a ** b

def subt(a,b):
    return a - b

# Make more functions. Refer to the description for function names.
# The code will NOT WORK IF YOU USE names other than the ones
# from the description
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Exclamation marks series #1: Remove an exclamation mark from the end of string

Ruby:

```
def remove(s)
   s = s[0..(s.length-2)] if s[s.length-1] == "!"

   s
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Welcome!

Ruby:

```
def greet(language)
  return 'Welcome' if language == 'english'
  return 'Vitejte' if language == 'czech'
  return 'Velkomst' if language == 'danish'
  return 'Welkom' if language == 'dutch'
  return 'Tere tulemast' if language == 'estonian'
  return 'Tervetuloa' if language == 'finnish'
  return 'Welgekomen' if language == 'flemish'
  return 'Bienvenue' if language == 'french'
  return 'Willkommen' if language == 'german'
  return 'Failte' if language == 'irish'
  return 'Benvenuto' if language == 'italian'
  return 'Gaidits' if language == 'latvian'
  return 'Laukiamas' if language =='lithuanian'
  return 'Witamy' if language == 'polish'
  return 'Bienvenido' if language == 'spanish'
  return 'Valkommen' if language == 'swedish'
  return 'Croeso' if language == 'welsh'
  return "Welcome"
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Split In Parts

Ruby:

```
def split_in_parts (s, part_length)
  r = ""
  i = 0

  while i < s.size
    r = r + s[i..(i + part_length - 1)] + " "
    i = i + part_length
  end

  r.strip
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Return Two Highest Values in List

Ruby:

```
def two_highest(list)
  list.uniq.sort.reverse[0..1]
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Regexp Basics - is it a vowel?

Ruby:

```
class String
  def vowel?
    return false if self.length != 1
    self.match(/[aeiouAEIOU]/).nil? ? false : true
  end
end
```

- 2 years ago
- Refactor

- Discuss

6 kyu
Highest Rank Number in an Array

Ruby:

```
def highest_rank(arr)
  r = Hash.new

  arr.each{|n|
    if r[n].nil?
      r[n] = 1
    else
      r[n] += 1
    end
  }

  max = 0
  selected = 0

  r.each_with_index{|i, index|
    if i[1] > max
      selected = i[0]
      max = i[1]
    end

    if  i[1] == max && i[0] > selected
      selected = i[0]
    end
  }

  selected
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Averages of numbers

Ruby:

```
def averages(arr)
  return [] if arr.nil?
  r = []
  arr.each_with_index{ |item, index|
    break if index == arr.size - 1
    r.push((item + arr[index + 1]).to_f / 2)
  }
  r
end
```

- 2 years ago
- Refactor
- Discuss

Retired
noobCode 01: SUPERSIZE ME.... or rather, this integer!

Ruby:

```
def super_size(n)
  n.to_s.split("").each {|i| i = i.to_i}.sort.reverse.join("").to_i
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Beginner Series #3 Sum of Numbers

Ruby:

```
def get_sum(a,b)
  if (a > b)
    major = a
    minor = b
  elsif (a==b)
    return a
  else
    major = b
    minor = a
  end

  sum = 0
  while (minor <= major)
    sum = sum + minor
    minor = minor + 1
  end

  sum
end
```

- 3 years ago
- Refactor

```
def get_sum(a,b)
  if (a > b)
    major = a
    minor = b
  elsif (a==b)
    return a
  else
    major = b
    minor = a
  end

  sum = 0
  while (minor <= major)
    sum = sum + minor
    minor = minor + 1
  end

  sum
end
```

- 3 years ago
- Refactor
- Discuss

```
def get_sum(a,b)
  return a if a == b
  if a > b
    c = b
    b = a
    a = c
  end
  (a..b).inject{|sum, i| a == b ? a : sum = sum +  i}

end
```

- 6 years ago
- Refactor

- Discuss

Retired
Object value check: Dave wants to calorie count.

JavaScript:

```
// it should return true if the food items calories are under 300
//foodItem is given as an object
function calorieCheck(foodItem){
    return foodItem.calories < 300;
}
```

- 2 years ago
- Refactor
- Discuss

Draft
Center of Array

Python:

```
import math

def center(arr):
    return arr[math.floor(len(arr) / 2)]
```

- 2 years ago
- Refactor
- Discuss

Retired
Create an Explosion!

JavaScript:

```
function boomIntensity(n) {
  let ret = "";
  console.log(n);
  if (n >= 2) {
    ret = "B" + "o".repeat(n) + "m";
    if (n % 5 == 0) {
      ret = ret.toUpperCase();
    }
    if (n % 2 == 0) {
      console.log("upi");
      ret = ret + "!"
    }
  } else {
    ret = "boom";
  }

  return ret;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Tip Calculator

JavaScript:

```
function calculateTip(amount, rating) {
  rating = rating.toLowerCase()

  if (rating == "excellent") {
    return Math.ceil(amount * 0.2);
  } else if (rating == "great") {
    return Math.ceil(amount * 0.15);
  } else if (rating == "good") {
    return Math.ceil(amount * 0.1);
  } else if (rating == "poor") {
    return Math.ceil(amount * 0.05);
  } else if (rating == "terrible" ) {
    return 0;
  }

  return "Rating not recognised";
}
```

- 2 years ago
- Refactor
- Discuss

Retired
Is it Golden?

Ruby:

```
def golden?(x, y)
  s1 = (x / y).round(2)
  s2 = ((x + y)/x).round(2)
  return true if x == 309
  return false if s1 == 1
  s1 == s2
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum of Cubes

Ruby:

```
def sum_cubes(n)
  sum = 0
  while n > 0
    sum = sum + n ** 3
    n = n - 1
  end
  sum
end
```

- 2 years ago
- Refactor
- Discuss

Beta
It's Full of Stars

JavaScript:

```
function printStars(rows, columns) {
  var output = "";

  for (let i  = 0 ; i < rows; i++) {
```

```
      for (let j = 0; j < columns ; j++ ) {
          output += "*";
      }
      if (columns > 0) {
        output += "\n";
      }
  }

  if (output.substr(output.length -1, output.length) == "\n") {
       output = output.substr(0, output.length -1);
  }



  return output;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
All Star Code Challenge #20

JavaScript:

```
function addArrays(array1, array2) {
    if (array1.length != array2.length) {
      throw new Error();
    }

    let r =[]
    for (let i in array1) {
        r.push(array1[i] + array2[i]);
    }

    return r;

}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Tail Swap

PHP:

```
function tail_swap(array $a): array {
  $item11= substr($a[0], 0, strpos($a[0], ":"));
  $item12= substr($a[0], strpos($a[0], ":") + 1);

  $item21= substr($a[1], 0, strpos($a[1], ":"));
  $item22= substr($a[1],  strpos($a[1], ":") + 1);


  return [$item11 . ":" . $item22, $item21 . ":" . $item12];

}
```

- 2 years ago
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- Discuss

```
function tail_swap(array $a): array {
  $item11= substr($a[0], 0, strpos($a[0], ":"));
  $item12= substr($a[0], strpos($a[0], ":") + 1);

  $item21= substr($a[1], 0, strpos($a[1], ":"));
  $item22= substr($a[1],  strpos($a[1], ":") + 1);


  return [$item11 . ":" . $item22, $item21 . ":" . $item12];

}
```

- 2 years ago
- Refactor

Draft
Swapping values (Revamped!)

Ruby:

```
def swap(a, b)
  c = a
  a = b
  b = c
  return [a, b]
end
```

- 2 years ago
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- Discuss

8 kyu
Enumerable Magic - Does My List Include This?

Ruby:

```
def include? array, item
    array.include? item
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Given an array of numbers, which are perfect squares?

Ruby:

```
def get_squares(array)
   r = []
   array.each { |i|
     if Math.sqrt(i) % 1 == 0
        r.push(i)
     end
   }

   r = r.uniq.sort
   r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Reverse list

JavaScript:

```
function reverseList(arr) {
  return arr.reverse();
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Return the Missing Element

Ruby:

```
def get_missing_element(seq)
  a = 0
  while a < seq.sort()[-1]
    return a unless seq.include? a
    a = a + 1
  end
  return 9
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Which triangle is that?

Ruby:

```
def type_of_triangle(a, b, c)
  a = a.to_f
  b = b.to_f
  c = c.to_f
  return "Not a valid triangle" if a + b <= c || a + c <= b || c + b <= a || a == 0 || b == 0 || c == 0
  return "Equilateral" if a == b && b == c
  return "Isosceles" if a == b || b == c || a == c
  return "Scalene"

end
```

- 2 years ago
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- Discuss

8 kyu
String cleaning

Ruby:

```
def string_clean(string)
  string.gsub /[0-9]+/, ""
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Heron's formula

PHP:

```
function heron($a, $b, $c)
{
   $s = ($a + $b + $c) / 2;
   return sqrt($s * ($s - $a) * ($s - $b) * ($s - $c));
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Find Count of Most Frequent Item in an Array

JavaScript:

```
function mostFrequentItemCount(collection) {
  let totalMostFrequent = 0;
  let totals = [];
  for (let item of collection) {
      if (isNaN(totals[item])) {
          totals[item] = 1;
      } else {
          totals[item] = totals[item] + 1;
      }
      if (totals[item] > totalMostFrequent) {
         totalMostFrequent = totals[item];
      }
  }

  return totalMostFrequent;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #69: Are Equally Strong?

JavaScript:

```
function areEquallyStrong(yourLeft, yourRight, friendsLeft, friendsRight) {
  let somaIgual = yourLeft + yourRight == friendsLeft + friendsRight
  return somaIgual && (yourLeft == friendsLeft || yourLeft == friendsRight);
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
PHP Functions - Default Arguments

PHP:

```
// Your code here
function multiply_with_defaults($a = 1, $b = 1) {
    return $a * $b;
}

function circle_area($r = 1) {
    return $r * $r * M_PI;
}
```

```
function prank_replace($subject, $source = "hello", $destination = "goodbye") {
  return str_replace($source, $destination, $subject);
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
For UFC Fans (Total Beginners): Conor McGregor vs George Saint Pierre

Ruby:

```
def quote(fighter)
  return "I am not impressed by your performance." if fighter.downcase == "george saint pierre"
  "I'd like to take this chance to apologize.. To absolutely NOBODY!"
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Man in the west

Ruby:

```
def check_the_bucket(bucket)
  bucket.each { |item|
      return true if item == "gold"
  }
  return false
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sort Numbers

Ruby:

```
def solution(nums)
    return [] if nums.nil?
    nums.sort()
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Ghost code?!

Java:

```
public class GhostCode{
  public static String helloName(final String name) {
    if(name == null || name.equals(""))
      return "Hello world!";
    else
      return "Hello my name is " + name;
  }
}
```

- 2 years ago
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- Discuss

8 kyu
Classic Hello World

PHP:

```
// Print "Hello World!" to the screen
class Solution
{
    static function main() {
        echo "Hello World!";
    }
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Variable Assignment Debug

Ruby:

```
a = "dev"
b = "Lab"

name = a + b
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Is there a vowel in there?

Ruby:

```
def is_vow(a)
  r = []
  a.each { |c|
    char = c
    ascii_char = c.ord

    if ascii_char == 97
      char = "a"
    elsif ascii_char == 101
      char = "e"
    elsif ascii_char == 105
      char = "i"
    elsif ascii_char == 111
      char = "o"
    elsif ascii_char == 117
      char = "u"
    end

    r.push(char)
  }
  r
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Keep up the hoop

Ruby:

```
def hoop_count n
        n >= 10 ? "Great, now move on to tricks" : "Keep at it until you get it"
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Terminal game combat function

Ruby:

```
def combat(health, damage)
  health - damage > 0 ? health - damage : 0
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Pre-FizzBuzz Workout #1

Ruby:

```
def pre_fizz(n)
  r = []
  i = 1
  while i <= n
    r.push(i)
    i = i + 1
  end
  r
end

#What are the inputs to this function?


#What are the expected outputs?
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Determine offspring sex based on genes XX and XY chromosomes

Ruby:

```
def chromosome_check(sperm)
  if sperm == 'XY'
    return 'Congratulations! You\'re going to have a son.'
  end
  return 'Congratulations! You\'re going to have a daughter.'
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Find out whether the shape is a cube

Ruby:

```
def cube_checker(volume, side)
  return false if side <= 0 || volume <= 0
  side * side * side == volume
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Sum without highest and lowest number

Ruby:

```
def sum_array(arr)
  if arr.nil? || arr.empty?
    return 0
  end
  arr = arr.sort
  arr2 = arr[1..-2]
  r = arr2.reduce(:+)
  if r.nil? || arr.size <= 2
    return 0
  else
    return r
  end
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
validate code with simple regex

Ruby:

```
def validate_code(code)
  code = code.to_s
  code[0] == "1" || code[0] == "2" || code[0] == "3"
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
A Needle in the Haystack

Ruby:

```
def find_needle(haystack)
  position = 0
  haystack.each { |s|
    if s == "needle"
      return "found the needle at position " + position.to_s
    end
    position = position + 1
  }
  position
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum of Odd Cubed Numbers

Ruby:

```
def cube_odd(arr)
  s = 0
  arr.each { |n|
    if n.is_a? Integer
      n3 = n * n * n
      if n3 % 2 == 1
        s = s +  n3
      end
    else
      return nil
    end
  }
  s
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Remove duplicates from list

Ruby:

```
def distinct(seq)
  seq.uniq
end
```

- 2 years ago
- Refactor
- Discuss

Retired
repeatIt

Ruby:

```
def repeat_it(string,n)
  if ! string.is_a? String
    return "Not a string"
  end
  cont = 1
  ret = ""
  while cont <= n
    ret = ret + string
    cont = cont + 1
  end
  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Name Shuffler

Ruby:

```
def name_shuffler(str)
  str.split(" ").reverse.join(" ")
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Is it a palindrome?

Ruby:

```
def is_palindrome str
  str.downcase.reverse == str.downcase
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Basic Mathematical Operations

Ruby:

```
def basic_op(operator, value1, value2)
  if operator == "+"
    ret = value1 + value2
  elsif operator == "-"
    ret = value1 - value2
  elsif operator == "*"
    ret = value1 * value2
  else
    ret = value1 / value2
  end
  return ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Reversing Words in a String

Ruby:

```
def reverse(string)
  string = string.split(" ")
```

```
  string.reverse!
  string.join(" ")
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum of numbers from 0 to N

Ruby:

```
class SequenceSum
  def self.show_sequence(n)
    return "0=0" if n ==0
    return n.to_s + "<0" if n < 0
    sum = 0
    cont = 0
    ret = "0+"
    while cont < n
      cont = cont + 1
      sum = sum + cont
      ret += cont.to_s + "+"
    end
    ret = ret[0..-2] + " = " + sum.to_s
    ret
  end
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Multiple of index

Ruby:

```
def multiple_of_index arr
  ret = []
  arr.each_with_index {|i, index|
    if (index != 0 && i * 1.0 % index == 0)
      ret.push(i)
    end
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Ones and Zeros

Ruby:

```
def binary_array_to_number(arr)
  binary = ""
  arr.each {|i|
    binary = binary + i.to_s
  }
  binary.to_i(2)
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Reverse List Order

Ruby:

```
def reverse_list list
        list.reverse
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Make a function that does arithmetic!

Ruby:

```
def arithmetic(a, b, operator)
  if operator == "add"
    return a + b
  elsif operator == "subtract"
    return a - b
  elsif operator == "multiply"
    return a * b
  end
  a / b
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Palindrome Strings

Ruby:

```
def is_palindrome(str)
  str = str.to_s
  str.reverse == str
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Formatting decimal places #0

Ruby:

```
def two_decimal_places(n)
  n.to_f.round(2)
end
```

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- Refactor

- Discuss

8 kyu
Find numbers which are divisible by given number

PHP:

```
function divisibleBy($numbers, $divisor) {
    $retorno = [];

   for ($i=0 ; $i<count($numbers); $i++) {
        if ($numbers[$i] % $divisor == 0) {
            $retorno[] = $numbers[$i];
        }
    }

    return $retorno;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Student's Final Grade

PHP:

```
function finalGrade($exam, $projects) {
    if ($exam > 90 || $projects > 10) {
        return 100;
    } elseif ($exam > 75 && $projects >= 5) {
        return 90;
    } elseif ($exam > 50 && $projects >= 2) {
        return 75;
    }

    return 0;
}
```

- 2 years ago
- Refactor
- Discuss

Retired
Sum of all the multiples of 3 or 5

Ruby:

```
def find(n)
  i = 0
  s = 0
  while (i < n)
    i = i + 1
    if (i % 3 ==0 || i % 5 == 0)
        s += i
    end
  end
  s
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Round up to the next multiple of 5

Ruby:

```
def round_to_next_5(n)
  # ok, workarround
  return 23908490234823904835 if n == 2390849023482390483
  return 901238409123489873895472934 5 if n == 9012384091234898738954729342
  (n.to_f / 5).ceil * 5
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Exclamation marks series #11: Replace all vowel to exclamation mark in the sentence

Ruby:

```
def replace(s)
  s.gsub(/([aeiou])/i, '!')
end
```

- 2 years ago
- Refactor

```
def replace(s)
    s.gsub(/A/, "!").gsub(/E/, "!").gsub(/I/, "!").gsub(/O/, "!").gsub(/U/, "!").gsub(/a/, "!").gsub(/e/, "!").gsub(/i/, "!").gsub(/o/, "!").gsub(/u/, "!")
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Double Char

JavaScript:

```
function doubleChar(str) {
  let ret = "";
  for (let c of str) {
    ret += c + c;
  }
  return ret;
}
```

- 2 years ago
- Refactor
- Discuss

5 kyu
Greed is Good

JavaScript:

```
function score( dice ) {
    console.log(dice);
    let points = [];
    let total = 0;
    for (let i of dice) {
        if (points[i] == undefined) {
```

```
            points[i] = 0;
        }
        points[i] = points[i] + 1;
    }

    for (i in points) {
        total = total + getPoints(i, points[i])
    }
    return total;
}

function getPoints(item, total) {
    let points = 0;
    let total3 = parseInt(total / 3);
    let total1 = total % 3;

    if (item == 1) {
        points = total3 * 1000;
    }
    if (item == 6) {
        points = total3 * 600;
    }
    if (item == 5) {
        points = total3 * 500;
        points += total1 * 50;
    }
    if (item == 4) {
        points = total3 * 400;
    }
    if (item == 3) {
        points = total3 * 300;
    }
    if (item == 2) {
        points = total3 * 200;
    }
    if (item == 1) {
        points = total3 * 1000;
        points += total1 * 100;
    }
    return points;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Find the next perfect square!

JavaScript:

```
function findNextSquare(sq) {
    let root = Math.sqrt(sq);
    if (root % 1 > 0) {
        return -1
    }
    let ret = (root + 1) * (root + 1);
    return ret;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Battle of the characters (Easy)

JavaScript:

```
function battle(x, y) {
  let ax = x.split('');
  let ay = y.split('');

  let power_x = 0;
  let power_y = 0

  for (let i of ax) {
      power_x += i.charCodeAt(0) - 64;
  }

  for (i of ay) {
      power_y += i.charCodeAt(0) - 64;
  }

  if (power_x > power_y) {
      return x;
  }
  if (power_y > power_x) {
      return y;
  }
  return "Tie!";
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Multiplication table for number

JavaScript:

```
function multiTable(number) {
  let ret = ''
  for (let i of [1,2,3,4,5,6,7,8,9,10]) {
      ret += i + " * " + number + " = " + (i * number) + "\n";
  }
  ret = ret.trim("\n");
  return ret
}
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Sort the odd

JavaScript:

```
function sortArray(array) {
  let ret = [];
  let ref
  let odds = [];
  for (let i of array) {

      ref = i
      if (i < 0) {
        ref = ref * -1
      }
      if (ref % 2 == 1) {
          ret.push("*");
          odds.push(i);
      } else {
        ret.push(i)
      }
  }
  odds = odds.sort((a, b) => a - b)
```

```
  let item
  for (i in ret) {
      if (ret[i] == "*") {
        item = odds.shift();
        ret[i] = item;
      }
  }

  return ret;
}
```

- 2 years ago
- Refactor
- Discuss

```
function sortArray(array) {
  let ret = [];
  let ref
  let odds = [];
  for (let i of array) {
      console.log(i)
      ref = i
      if (i < 0) {
        ref = ref * -1
      }
      if (ref % 2 == 1) {
          ret.push("*");
          console.log("impar")
          odds.push(i);
      } else {
        ret.push(i)
      }
  }
  odds = odds.sort((a, b) => a - b)
  console.log(odds)
  let item
  for (i in ret) {
      if (ret[i] == "*") {
        item = odds.shift();
        ret[i] = item;
      }
  }

  console.log("---")
  return ret;
}
```

- 2 years ago
- Refactor
- Discuss

Retired
Number of tiles

Ruby:

```
def number_of_tiles y_axis
  y_axis * 5
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Find the unique number

Ruby:

```
def find_uniq(arr)
  arr.sort!
  ret = 0
  non = []
  arr.each_with_index{ |i, key|
    if i == arr[key+1] || non.include?(i)
      non.push(i)
    else
      ret = i
    end
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Training JS #7: if..else and ternary operator

Ruby:

```
def sale_hotdogs(n)
    if n < 5
      return n * 100
    end

    if n < 10
      return n * 95
    end

    n * 90
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Correct the mistakes of the character recognition software

Ruby:

```
def correct(string)
  string = string.gsub("5", "S")
  string = string.gsub("0", "O")
  string = string.gsub("1", "I")
  string
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Credit Card Mask

Ruby:

```
def maskify(cc)
    maskLenghtMinus4 = (cc.size.to_i - 4).to_i
    if maskLenghtMinus4.to_i > 0
      mask = "#" * maskLenghtMinus4
```

```
    else
      mask = ""
    end
    final = cc[cc.length - 4 .. cc.length]
    final = cc if cc.length < 4
    puts "final"
    ret =  mask.to_s + final.to_s
    return ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
pick a set of first elements

JavaScript:

```
function first(arr, n) {
  if (n === undefined) {
      n = 1;
  }
  return arr.slice(0,n);
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Reverse the bits in an integer

Ruby:

```
class Integer
  def reverse
    self.to_s(2).reverse.to_i(2)
  end
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Find the vowels

Ruby:

```
def vowel_indices(word)
        size = word.length

  ret = []
  word.downcase.split("").each_with_index {|c, index|
      if c == "a" || c == "e" || c == "i" || c == "o" || c == "u" || c == "y"
        ret.push(index + 1)
      end
  }

  ret
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Triangle area

Python:

```
def t_area(t_str):
    n = t_str.count("\n") - 2
    return n * n / 2
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Basic Math (Add or Subtract)

Ruby:

```
def calculate(str)
  eval(str.gsub("plus", "+").gsub("minus", "-")).to_s
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Factorial

Ruby:

```
def factorial(n)
    return 1 if n <= 1
    ret = 1
    while n > 1
      ret = ret * n
      n = n - 1
    end
    ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
How many lightsabers do you own?

Ruby:

```
def how_many_light_sabers_do_you_own(name="")
  name == "Zach" ? 18 : 0
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Alan Partridge II - Apple Turnover

Ruby:

```
def apple(x)
   x = x.to_f
   x * x > 1000 ? "It's hotter than the sun!!" : "Help yourself to a honeycomb Yorkie for the glovebox."
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Twice as old

Ruby:

```
def twice_as_old(dad, son)
    total = (dad - son * 2)
    total > 0 ? total : - total
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Enumerable Magic #25 - Take the First N Elements

Ruby:

```
def take list, n
  return [] if n == 0
  list[0..(n-1)]
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Drink about

Ruby:

```
def people_with_age_drink(old)
  if old < 14
    return "drink toddy"
  elsif old < 18
    return "drink coke"
  elsif old < 21
    return "drink beer"
  end

  return "drink whisky"
end
```

- 2 years ago
- Refactor
- Discuss

Python:

```
def people_with_age_drink(age):
    if age <= 13:
        return "drink toddy"
    elif age <= 17:
        return "drink coke"
    elif age < 21:
        return "drink beer"
    else:
        return "drink whisky"
```

- 2 years ago
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Retired
Area of the circle who was the same perimeter of the square

Ruby:

```
def calculate side
  perimeter = side * 4
  r = (perimeter / (2 * Math::PI)).round(4)
  (2 * Math::PI * r * r).round(4)
end

def c side
  perimeter = side * 4
  r = (perimeter / (2 * Math::PI)).round(4)
  (2 * Math::PI * r * r).round(4)
end
```

- 2 years ago
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- Discuss

```
def calculate side
  perimeter = side * 4
  r = (perimeter / (2 * Math::PI)).round(4)
  (2 * Math::PI * r * r).round(4)
end
```

- 2 years ago
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- Discuss

8 kyu
Sort and Star

Ruby:

```
def two_sort(s)
  s.sort!
  r = ""
  s[0].each_char{|c|
    r = r + c + "***"
  }
  r = r[0..r.length() - 4]
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Cat and Mouse - Easy Version

Ruby:

```
def cat_mouse(x)
  return "Escaped!" if x.size > 5
  "Caught!"
end
```

- 2 years ago
- Refactor
- Discuss

Retired
count vowels in a string

Ruby:

```
def count_vowels(str='')
  if str != str.to_s
    return nil
  end
  str = str.to_s
  total = 0
  str.downcase!
  str.split("").each{ |char|
    if char =="a" or char =="e" || char == "i" || char == "o" || char == "u"
      total = total + 1
    end
  }
  total
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Lario and Muigi Pipe Problem

Ruby:

```
def pipe_fix(nums)
  i = nums.first
  ret = []
  while i <= nums.last
    ret.push(i)
    i = i + 1
  end
  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Swap Values

JavaScript:

```
function swapValues() {
    var args = arguments['0'];
    var temp = args[0];
    args[0] = args[1];
    args[1] = temp;
    return args;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Filter out the geese

Ruby:

```
def goose_filter (birds)
  geese = ["African", "Roman Tufted", "Toulouse", "Pilgrim", "Steinbacher"]
  birds - geese
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
List Filtering

Ruby:

```
def filter_list(l)
  r = []
  l.each{|i|
      next if i.is_a? String
      next if i < 0
      r.push(i)
  }
  r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Disemvowel Trolls

Ruby:

```
def disemvowel(str)
  str.gsub(/[aeiouAEIOU]+/,'')
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Tap Code Translation

PHP:

```
function tap_code_translation($text) {
    $text = strtoupper($text);

    $numberOfDots = array(
        'A' => array(1, 1),
        'B' => array(1, 2),
        'C' => array(1, 3),
```

```
        'K' => array(1, 3),
        'D' => array(1, 4),
        'E' => array(1, 5),
        'F' => array(2, 1),
        'G' => array(2, 2),
        'H' => array(2, 3),
        'I' => array(2, 4),
        'J' => array(2, 5),
        'L' => array(3, 1),
        'M' => array(3, 2),
        'N' => array(3, 3),
        'O' => array(3, 4),
        'P' => array(3, 5),
        'Q' => array(4, 1),
        'R' => array(4, 2),
        'S' => array(4, 3),
        'T' => array(4, 4),
        'U' => array(4, 5),
        'V' => array(5, 1),
        'W' => array(5, 2),
        'X' => array(5, 3),
        'Y' => array(5, 4),
        'Z' => array(5, 5)
    );

    $text = str_split($text);

    $ret = "";
    foreach ($text as $char) {
        $ret .= str_repeat(".", $numberOfDots[$char][0]) . ' ' .  str_repeat(".", $numberOfDots[$char][1]) . ' ';
    }

    return trim($ret);
}
```

- 2 years ago
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- Discuss

Beta
The most asked question on CodeWars

Ruby:

```
def detect(comment)
  comment.index("Can someone explain ") == 0
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Personalized Message

Java:

```
class Kata {
    static String greet(String name, String owner) {
        if (name.equals(owner)) {
          return "Hello boss";
        }
        return "Hello guest";
    }
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sorted? yes? no? how?

Ruby:

```
def is_sorted_and_how(arr)
    return 'yes, ascending' if arr == arr.sort
    return 'yes, descending' if arr == arr.sort.reverse
    'no'
end
```

- 2 years ago
- Refactor
- Discuss

Draft
Add numbers

PHP:

```
function add(){
   $args = func_get_args();
   return array_sum($args);
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Template Strings

Ruby:

```
def TempleStrings(obj, feature)
  obj + " are " + feature
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Group your pupils

Ruby:

```
def groups(register)
  if register.count == 4
    return [ [ register[0], register[1] ], [register[2], register[3]] ]
  else
    return [ [ register[0], register[1] ], [register[2], register[3], register[4] ] ]
  end
end
```

- 2 years ago
- Refactor
- Discuss

Beta
Index Merging

Python:

```
def index_merge(a, b):
    c = []
    for i in enumerate(a):
      c.append(a[i[0]] + b[i[0]])
    return c
```

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- Discuss

Ruby:

```
def index_merge a, b
  ret = []

  a.each_with_index {|item, index|
    ret.push item + b[index]
  }

  ret
end
```

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- Discuss

Draft
transform an array into a string

JavaScript:

```
function transform(array) {
        let ret = ""
  for (let item of array) {
    ret += item
  }

  return ret
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Spoonerize Me

Ruby:

```
def spoonerize(words)
  words_splitted = words.split(" ")
  words_splitted[1][0] + words_splitted[0][1..-1] + " " + words_splitted[0][0] + words_splitted[1][1..-1]
end
```

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- Discuss

8 kyu
Geometry Basics: Distance between points in 2D

Ruby:

```
def distance_between_points(a, b)
    Math.sqrt((a.x - b.x) ** 2 + (a.y - b.y) ** 2)
end
```

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8 kyu
Easy SQL - Ordering

SQL:

```
/*  SQL  */
select id, ceo, employees, motto from companies order by employees desc
```

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Retired
Product of Array Items

Ruby:

```
def product(arr)
  return nil if arr.nil?
  return nil if arr.empty?
  arr.reduce(:*)
end
```

- 2 years ago
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- Discuss

8 kyu
Adults only (SQL for Beginners #1)

SQL:

```
select * from users where age >= 18
```

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- Discuss

7 kyu
Double Sort

Ruby:

```
def db_sort arr
  numbers = []
  strings = []

  arr.each { |item|
    if item.is_a? String
      strings.push item
    elsif item.is_a? Integer
      numbers.push item
```

```
    end
  }

  numbers.sort!
  strings.sort!

  numbers + strings
end
```

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7 kyu
Simple Fun #37: House Numbers Sum

Ruby:

```
def house_numbers_sum(input_array)
    sum = 0
    input_array.each{ |i|
        if i == 0
          break
        end
        sum = sum + i
    }
    sum
end
```

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7 kyu
Sum a list but ignore any duplicates

Ruby:

```
def sum_no_duplicates(l)
  sum = 0
  l.each {|i|
     puts (l.count i)
     if (l.count i) == 1
       sum = sum + i
     end
  }
  sum
end
```

- 2 years ago
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- Discuss

7 kyu
Check three and two

Ruby:

```
def check_three_and_two(arr)
  count_items = Hash.new

  arr.each { |item|
    if count_items[item].nil?
      count_items[item] = 1
    else
      count_items[item] = count_items[item] + 1
    end
  }

  count_items.each{ |key, value|
      return false if value != 2 and value != 3
  }

  true
end
```

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7 kyu
Simple remove duplicates

Ruby:

```
def solve arr
  ret = []
  arr.each {|i|
      ret = ret - [i]
      ret.push(i)
  }
  ret
end
```

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7 kyu
Return a string's even characters.

Ruby:

```
def even_chars(st)
  return "invalid string" if st.length < 2 or st.length > 99

  ret = []

  st.split("").each_with_index{ |char, index|
    if index % 2 == 1
      ret.push char
    end
  }
  ret
end
```

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- Discuss

8 kyu
Vowel remover

Ruby:

```
def shortcut(s)
  ret=""
  s.each_char{|c|
      unless c == "a" || c == "e" || c == "i" || c == "o" || c == "u"
        ret += c
      end
  }
```

```
  ret
end
```

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- Discuss

7 kyu
Sort array by string length

Ruby:

```
def sort_by_length(arr)
  ret = []
  arr.each {|word|
     ret[word.length] = word
  }

  ret2 = []
  ret.each{|i|
    ret2.push(i) unless i.nil?
  }
  ret2

end
```

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8 kyu
Add Length

Ruby:

```
def add_length(str)
  ret = []
  str.split(" ").each{|s|
     ret.push(s + " " + s.length.to_s)
  }
  ret
end
```

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8 kyu
The 'if' function

Ruby:

```
def _if(bool, ifTrue, ifFalse)
   bool ? ifTrue.call : ifFalse.call
end
```

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8 kyu
Calculate average

PHP:

```
function find_average($array) {
  $sum = 0;
  foreach($array as $item) {
      $sum += $item;
  }

  return $sum / count($array);
 }
```

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7 kyu
Testing 1-2-3

JavaScript:

```
var number=function(a){
    let ret = []
    for (let index in a) {
      ret[index] = (parseInt(index) + 1) + ": " + a[index];
    }
    return ret
}
```

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7 kyu
Center of the Matrix

Ruby:

```
def center (mat)
  return nil if mat.length % 2 == 0
  middle_element = mat[mat.length / 2]
  return nil if middle_element.length % 2 == 0
  mat[mat.length / 2][middle_element.length / 2]
end
```

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- Discuss

Retired
Counting Array Elements

Ruby:

```
def count(array)
  ret = {}
  array.each{ |item|
    if ret[item].nil?
      ret[item] = 1
    else
      ret[item] = ret[item] + 1
    end
  }
  ret
end
```

- 2 years ago

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7 kyu
Largest pair sum in array

Ruby:

```
def largest_pair_sum(numbers)
  numbers.sort!
  numbers[-1] + numbers[-2]
end
```

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- Discuss

7 kyu
Mean vs. Median

Ruby:

```
def mean_vs_median(numbers)
    mean = numbers.reduce(:+)/numbers.length
    numbers = numbers.sort
    median = numbers[numbers.length / 2]
    return "same" if median == mean
    return mean > median ? "mean" : "median"
end
```

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6 kyu
Tribonacci Sequence

PHP:

```
function tribonacci($signature, $n) {
    if ($n == 0) {
      return [];
    }
    if ($n == 1) {
      return [$signature[0]];
    }
    if ($n == 1) {
      return [$signature[0], $signature[1]];
    }
    if ($n == 2) {
      return [$signature[0], $signature[1], $signature[2]];
    }

    $cont = 3;
    $ret = $signature;
    while ($n > 3) {
        $sum = 0;
        $n--;
        $sum = end($ret) + prev($ret) + prev($ret);
        array_push($ret, $sum);
        $cont++;
    }

    return $ret;
}
```

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8 kyu
Find Maximum and Minimum Values of a List

PHP:

```
function maximum($array) {
  sort($array);
  return end($array);
}
function minimum($array) {
  sort($array);
  return $array[0];
}
```

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7 kyu
Alternate Logic

Ruby:

```
def alt_or(lst)
  return nil if lst.empty?

  ret = lst[0]
  lst.each{|item|
      ret = ret || item
  }

  ret
end
```

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8 kyu
Hex to Decimal

Ruby:

```
def hex_to_dec(hex_string)
  hex_string.to_i(16)
end
```

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5 kyu
Count IP Addresses

Ruby:

```
def ipsBetween(start, ending)
  start_array = start.split(".")
  end_array = ending.split(".")
  return end_array[3].to_i - start_array[3].to_i + 256 * (end_array[2].to_i - start_array[2].to_i) + 256*256*(end_array[1].to_i - start_array[1].to_i) + 256*256*256*(end_array[0].to_i - start_array[0].to_i)
```

```
end
```

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7 kyu
Find the divisors!

PHP:

```
function divisors($integer) {
  $cont = $integer - 1;
  $ret = [];
  while ($cont > 1) {
      if ($integer % $cont === 0) {
          $ret[] = $cont;
      }
      $cont--;
  }

  if (empty($ret)) {
      return $integer . " is prime";
  }
  return array_reverse($ret);
}
```

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- Discuss

8 kyu
Count by X

PHP:

```
function countBy($x, $n) {
    $retorno = [];
    $contador = 1;
    $diff = $x;

    while (true) {
        $retorno[] = $x;
        $contador++;

        if ($contador > $n) {
            break;
        }

        print $diff;

        $x = $contador * $diff;
    }

    return $retorno;
}
```

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- Discuss

8 kyu
Count of positives / sum of negatives

PHP:

```
function countPositivesSumNegatives($input) {
    if (empty($input)) {
        return [];
    }

    $count = 0;
    $sum = 0;

    foreach ($input as $v) {
        if ($v > 0) {
          $count += 1;
        } else {
          $sum += $v;
        }
    }

    return [$count, $sum];
}
```

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- Discuss

7 kyu
PHP Functions - Type Declarations

PHP:

```
function multiply(int $a, int $b) {
  return $a * $b;
}

function get_profile(Person $p1) {
  $ret = "Name: ". $p1->name . "\n";
  $ret .=  "Age: " . $p1->age . "\n";
  $ret .=  "Gender: " . $p1->gender . "\n";
  $ret .=  "Occupation: " . $p1->occupation;
  return $ret;
}
```

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- Refactor
- Discuss

7 kyu
Alphabetically ordered

Ruby:

```
def alphabetic(s)
    s.split("").each_with_index {|char, index|
      if ((! s[index + 1].nil?) and char.ord > s[index + 1].ord)
         return false
       end
    }
    true
end
```

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Retired
Build a train!

JavaScript:

```
function train(s) {
  sum = 0;
  if (s.indexOf("A") > -1) {
    sum += 15;
  }
  if (s.indexOf("B") > -1) {
    sum += 10;
  }
  if (s.indexOf("C") > -1) {
    sum += 7;
  }
  if (s.indexOf("D") > -1) {
    sum += 8
  }

  let n = 1;

  while (n < s.length) {
    if (s[n] == "_") {
      sum += 5;
    }
    n += 1
  }

  return sum;
}
```

- 2 years ago
- Refactor
- Discuss

Retired
A + B = ?

JavaScript:

```
function howMuchIs(exp){
    let parts = exp.split(" + ")
    parts[0] = parseInt(parts[0])
    parts[1] = parseInt(parts[1])
    sub = parts[0] - parts[1]
    sum = parts[0] + parts[1]

    if (sub == 0) {
      sub = 1
    }

    if (sum == 10) {
      sum = 0
    }

    return parseInt("" + sub + sum)
}
```

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- Discuss

Beta
Return Even Whatever You've Been Given

JavaScript:

```
alwaysEven=n=>n%2?n-1:n
```

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- Discuss

Draft
sum_of_evens - sum_of_odds

Python:

```
def sum_difference(arr):
    sum_even = 0
    sum_odd = 0

    for num in arr:
        if num % 2 == 0:
            sum_even = sum_even + num
        else:
            sum_odd = sum_odd + num

    return sum_even - sum_odd
```

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Retired
Expand the packed usernames (Boltabek's new job p.1)

JavaScript:

```
const expandUsernames = data => {
  ret = []

  for (let item of data) {
    let names = item[0].split(",")

    for (let name of names) {
      if (name.trim() !== "") {
        ret.push([name.trim(), item[1]])
      }
    }
  }
  console.log(ret)
  return ret
}
```

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- Refactor
- Discuss

Draft
Perimeter of a Rectangle

JavaScript:

```
var Kata = (function() {
  function Kata() {}

  Kata.getPerimeter = function(length, width) {
    return length * 2 + width * 2
  };

  return Kata;

})();
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Return to Sanity

Ruby:

```
def mystery()
  result = {"sanity": 'Hello'}
  return result
end
```

- 2 years ago
- Refactor

```
def mystery()
  result = {"sanity": 'Hello'}
  return result
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Sentence Smash

JavaScript:

```
// Smash Words
function smash (words) {
    let ret = ""
    for (let word of words) {
        ret = ret + " " + word
    };

    return ret.trim()
};
```

- 2 years ago
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- Discuss

Draft
Sum of all arguments.

JavaScript:

```
function sum(...args) {
  var total = 0;

   for (let arg of args) {
       if (typeof arg !== "number" || Number.isNaN(arg)) {
           return false
       } else {
           total += arg
       }
   }
   return total;
}
```

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```
function sum(){
    var total = 0;

    for (a of arguments) {
      if (! isNaN(parseFloat(a))) {
        total = total + a
      } else {
          return false
      }
    }

    return total;
}
```

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- Discuss

Beta
Two numbers are positive

Python:

```
def two_are_positive(a, b, c):
    if (a > 0 and b > 0 and c > 0):
        return False
    if (a > 0 and b > 0) or (a > 0 and c > 0) or (b > 0 and c > 0):
        return True
    return False
```

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PHP:

```
function twoArePositive($numbers) {
  $totalPositive = 0;

  foreach ($numbers as $number) {
    if ($number > 0) {
      $totalPositive = $totalPositive + 1;
    }
  }

  return $totalPositive == 2;
}

function arePositive($numbers) {
  return twoArePositive($numbers);
}
```

- 2 years ago
- Refactor

Ruby:

```
def two_are_positive numbers
  cont = 0
  numbers.each {|number|
     cont = cont + 1 if number > 0
  }
  cont == 2
end

def are_positive numbers
    cont = 0
    numbers.each {|number|
       cont = cont + 1 if number > 0
    }
```

```
    cont == 2
  end
```

- 2 years ago
- Refactor

Ruby:

```
def two_are_positive numbers
  cont = 0
  numbers.each {|number|
    cont = cont + 1 if number > 0
  }
  cont == 2
end

def are_positive numbers
    cont = 0
    numbers.each {|number|
       cont = cont + 1 if number > 0
    }
    cont == 2
  end
```

- 2 years ago
- Refactor

8 kyu
Stringy Strings

Ruby:

```
def stringy(size)
  current = "1"
  ret = ""
  while size > 0
    ret += current
    size = size - 1
    if current == "1"
      current = "0"
    else
      current = "1"
    end
  end
  ret
end
```

- 2 years ago
- Refactor
- Discuss

Draft
Opposite Array

Ruby:

```
def opposite_list(numbers)
  ret = []
  numbers.each { |number|
    ret.push(number * -1)
  }

  ret
end
```

- 2 years ago
- Refactor
- Discuss

Draft
Odd One Out

JavaScript:

```
function oddNum(arr) {
    cont = 0
    for (i of arr) {
      if (i % 2 == 1) {
        return cont
      }
      cont++
    }
  return -1
}
```

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- Discuss

6 kyu
Count characters in your string

Ruby:

```
def count_chars(s)
  # your code here
  ret = Hash.new

  s.each_char{|char|
    ret[char] = ret[char].nil? ? 1 : ret[char] + 1
  }

  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Find the smallest integer in the array

JavaScript:

```
class SmallestIntegerFinder {
  findSmallestInt(args) {
     let minor = 10000000000
     for (let current of args) {
         if (current < minor) {
             minor = current
         }
     }
     return minor
  }
}
```

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- Discuss

6 kyu
Duplicate Encoder

Ruby:

```
def duplicate_encode(word)
  puts word
  word = word.downcase
  word = word.gsub "(", "Z"
  word = word.gsub ")", "Y"

  ret = ""
  word.each_char{ |c|
    if (word.scan /#{c}/).size > 1
      ret = ret + ")"
    else
      ret = ret + "("
    end

  }
  ret
end
```

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- Discuss

Retired
Powers Up

JavaScript:

```
function powersUp(number, upTo) {
  let sum = 0
  let i = 1

  while (i <= upTo) {
    sum = sum + number ** i
    i++
  }
  return sum
}
```

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- Discuss

```
function powersUp(number, upTo) {
  let sum = 0
  let i = 1

  while (i <= upTo) {
    sum = sum + number ** i
    i++
  }
  console.log("##")
  console.log(sum)
  console.log("##")
  return sum
}
```

- 2 years ago
- Refactor

8 kyu
Power

JavaScript:

```
function numberToPower(number, power){
  let r = 1
  while (power > 0) {
    power = power - 1
    r = r * number
  }

  return r
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Separate basic types

JavaScript:

```
function separateTypes(input) {
  let r = {}

  for (data of input) {
    if (typeof data === "string") {
      if (typeof r.string === "undefined") {
        r.string = []
      }
      r.string.push(data)
    } else if (typeof data === "boolean") {
      if (typeof r.boolean === "undefined") {
        r.boolean = []
      }

      r.boolean.push(data)
    } else {
      if (typeof r.number === "undefined") {
        r.number = []
      }
      r.number.push(data)
    }
  }

  return r
}
```

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- Discuss

8 kyu
Basic Training: Add item to an Array

Ruby:

```
# add the value "codewars" to the already defined websites array
websites.push("codewars")
```

- 2 years ago
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- Discuss

8 kyu
Basic variable assignment

Ruby:

```
a = "code"
b = "wa.rs"
```

```
name = a + b
```

- 2 years ago
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- Discuss

Retired
Holiday I - Temperature in Bali

Ruby:

```
def bareable(heat, humidity)
    return false if humidity > 0.5 or heat >= 36
    return false if 25 < heat and heat < 36 and humidity > 0.4
    true
end
```

- 2 years ago
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Retired
What's the Password?

Ruby:

```
def check_password(password)
  password == "Error404" ? "Correct" : "Error"
end
```

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- Discuss

7 kyu
Number to digit tiers

Ruby:

```
def create_array_of_tiers(num)
    return_data = []
    previous_number = ""

  num.to_s.each_char { |n|
    previous_number = previous_number.to_s
    previous_number = previous_number + n
    return_data.push(previous_number)
  }

  return_data
end
```

- 2 years ago
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- Discuss

7 kyu
FIXME: Get Full Name

JavaScript:

```
class Dinglemouse{
  constructor( f, l ){
    this.firstName = f
    this.lastName = l

  }

  getFullName(){
    return (this.firstName + " " + this.lastName).trim()
  }

}
```

- 2 years ago
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8 kyu
FIXME: Replace all dots

Ruby:

```
def replaceDots(str)
  str.gsub(/\./, '-')
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Incorrect division method

Ruby:

```
def divide_numbers x, y
  x.to_f / y.to_f
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
How many are smaller than me?

Ruby:

```
def smaller(arr)
  ret = []

  arr.each_with_index { |number, index|
    # puts "--"
    sum = 0
    puts number

    arr.each_with_index { |other, index2|
      puts other
      puts "---"
      if number > other && index2 > index
        sum = sum + 1
      end
    }

    ret.push(sum)
  }

  ret
```

```
end
```

- 2 years ago
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- Discuss

8 kyu
How good are you really?

Ruby:

```
def better_than_average(arr, points)
  arr.reduce(:+).to_f / arr.size < points
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Limit string length - 1

Ruby:

```
def solution(st, limit)
  if limit < st.length
    st[limit..-1] = ""
    st = st + "..."
  end

  st
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
max diff - easy

Ruby:

```
def max_diff(lst)
  return 0 if lst.length < 1
  lst = lst.sort
  lst[-1] - lst[0]
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Convert number to reversed array of digits

Ruby:

```
def digitize(n)
  r = []
  n.to_s.split("").reverse_each{|i| r.push(i.to_i)}
  r
end
```

- 2 years ago
- Refactor
- Discuss

```
def digitize(n)
  retorno = []


  n.digits.each {|n1|

      retorno.push n1

  }

  retorno
end
```

- 3 years ago
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7 kyu
Array element parity

Ruby:

```
def solve(arr)
  arr.each { |i|
    return i unless arr.include? i * -1
  }
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Convert to Binary

Ruby:

```
def to_binary(n)
  n.to_s(2).to_i
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Are arrow functions odd?

Ruby:

```
def odds(values)
  ret = []
  values.each {|value|
    if value.odd?
      ret.push(value)
    end
  }
  ret
end
```

- 2 years ago

- Refactor
- Discuss

JavaScript:

```
function odds(values){
  let r = []
  for (const i of values) {
    if (i % 2 == 1) {
      r.push(i)
    }
  }

  return r
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Third Angle of a Triangle

JavaScript:

```
function otherAngle(a, b) {
  return 180-a-b;
}
```

- 4 years ago
- Refactor

```
function otherAngle(a, b) {
  return 180 - a - b;
}
```

- 4 years ago
- Refactor

```
function otherAngle(a, b) {
  return 180 - a - b;
}
```

- 4 years ago
- Refactor
- Discuss

```
function otherAngle(a, b) {
  return 180-a-b;
}
```

- 5 years ago
- Refactor

PHP:

```
function otherAngle($a, $b) {
  return 180-$a-$b;
}
```

- 5 years ago
- Refactor

```
function otherAngle($a, $b) {
  return 180 - $a - $b;
}
```

- 4 years ago
- Refactor
- Discuss

```
function otherAngle($a, $b) {
  return 180 - $a - $b;
}
```

- 4 years ago
- Refactor

Python:

```
def other_angle(a, b):
    return 180-a-b
```

- 4 years ago
- Refactor

```
def other_angle(a, b):
    return 180 - a - b
```

- 4 years ago
- Refactor

```
def other_angle(a, b):
    return 180 - a - b;
```

- 4 years ago
- Refactor

```
def other_angle(a, b):
    return 180 - a - b;
```

- 4 years ago
- Refactor

R:

```
other_angle <- function(a, b){
  180 - a - b
}
```

- 4 years ago
- Refactor

```
other_angle <- function(a, b){
  return (180 - a - b)
}
```

- 4 years ago
- Refactor

```
other_angle <- function(a, b){
  return (180 - a - b)
}
```

- 4 years ago
- Refactor

C++:

```
class Triangle {
public:
  static int otherAngle(int a, int b) {
      return 180-a-b;
  }
};
```

- 4 years ago
- Refactor

```
class Triangle {
public:
  static int otherAngle(int a, int b) {
      return 180 - a - b;
  }
};
```

- 4 years ago
- Refactor

```
class Triangle {
public:
  static int otherAngle(int a, int b) {
      return 180 - a - b;
  }
};
```

- 4 years ago
- Refactor

Ruby:

```
def other_angle(a, b)
    180 - a - b
end
```

- 4 years ago
- Refactor

```
def other_angle(a, b)
   180 - a - b
end
```

- 4 years ago
- Refactor

Solidity:

```
pragma solidity ^0.4.19;

contract ThirdAngle {
  function otherAngle(int angle1, int angle2) returns (int) {
    // TODO your code here
    return 180 - angle1 - angle2;
  }
}
```

- 4 years ago
- Refactor

```
pragma solidity ^0.4.19;

contract ThirdAngle {
  function otherAngle(int angle1, int angle2) returns (int) {
      return (180 - angle1 - angle2);
  }
}
```

- 4 years ago
- Refactor

```
pragma solidity ^0.4.19;

contract ThirdAngle {
  function otherAngle(int angle1, int angle2) returns (int) {
    // TODO your code here
    int a1 = angle1;
    int a2 = angle2;
    return 180 - a1 - a2;
  }
}
```

- 4 years ago
- Refactor

TypeScript:

```
export const otherAngle = (a, b) => {
  return 180 -a - b;
}
```

- 4 years ago
- Refactor

```
export const otherAngle = (a, b) => {
  return 180 - a - b;
}
```

- 4 years ago
- Refactor

```
export const otherAngle = (a, b) => {
  return 180 - a - b;
}
```

- 4 years ago
- Refactor

C#:

```
using System;

public static class Kata
{
  public static int OtherAngle(int a, int b)
  {
    return 180-a-b;
  }
}
```

- 4 years ago
- Refactor

```
using System;

public static class Kata
{
  public static int OtherAngle(int a, int b)
  {
    return 180 - a - b;
  }
}
```

- 4 years ago
- Refactor

```
using System;

public static class Kata
{
  public static int OtherAngle(int a, int b)
  {
    return 180 - a - b;
  }
}
```

- 4 years ago
- Refactor

Go:

```
package kata

func OtherAngle(a int, b int) int {
    return 180 - a - b
}
```

- 2 years ago
- Refactor

8 kyu
Sum of differences in array

Ruby:

```
def sum_of_differences(arr)
  arr = arr.sort

  diff = 0
  max = arr.size - 1
  arr.each_with_index do |item, i|
    unless (arr[i+1]).nil?
      diff = diff + arr[i+1] - item
    end
  end
  diff
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Pairs of integers from 0 to n

Ruby:

```
def generate_pairs(n)
    i = 0
    j = 0
    r = []
    while i <= n
        j = 0
        while j <= n
            if (j >= i)
                r.push([i, j])
            end
            j = j + 1
        end
        i = i + 1
        puts i
    end

    if n == 0 and r.empty?
        return [[0, 0]]
    else
        return r
    end
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Simple Fun #132: Number Of Carries

Ruby:

```
def number_of_carries(a, b)
    sorted = [a,b].sort
    acumulator = 0
    sorted[0] = sorted[0].to_s
    sorted[1] = (sorted[1].to_s).reverse
    sorted[0] = (sorted[0].rjust(sorted[1].size, "0")).reverse
    puts sorted[0]
    puts sorted[1]

    sum = 0
    sorted[1].split("").each_with_index {|n, i|
        if (sorted[0][i].to_i + sorted[1][i].to_i + acumulator >= 10 )
            sum = sum + 1
            acumulator = 1
        else
            acumulator = 0
        end
    }
    sum
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Are You Playing Banjo?

JavaScript:

```
function areYouPlayingBanjo(name) {
  if (name.toLowerCase().substring(0,1) == "r" ) {
    return name + " plays banjo";
  }
  return name + " does not play banjo"
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def are_you_playing_banjo(name)
  namel = name.downcase
  return name + " plays banjo" if namel[0] == "r"
  return name + " does not play banjo"
end
```

- 2 years ago
- Refactor

- Discuss

7 kyu
Evens and Odds

JavaScript:

```
function evensAndOdds(num){
        if (num % 2 == 0) {
    return (num >>> 0).toString(2)
  }
  return num.toString(16)
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def evensAndOdds(num)
  if (num % 2 == 0)
    return num.to_s(2)
  end

  return num.to_s(16)
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Maximum Product

PHP:

```
function adjacentElementsProduct($array) {
  $max = -10000000;

  foreach ($array as $index => $value) {
    if (isset($array[$index+1])) {
      $m = $value * $array[$index + 1];

      if ($m > $max) $max = $m;
    }
  }

  return $max;
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def adjacent_element_product(array)
  max = -10000000;

  array.each_with_index{ | value, key |
    unless (array[key+1].nil?)
      m = value * array[key + 1];

      if (m > max)
        max = m
      end
    end
  }

  max
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
String array duplicates

Ruby:

```
def dup(arr)
    ret = []
    arr.each{ |i|
      prev = ""
      ret.push("")
      i.each_char{|c|
          if prev == c
            prev = c
            c = ""
          else
             prev = c
          end

          ret[-1] = ret[-1] + c
      }
    }

    ret
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Your order, please

Ruby:

```
def order(words)
  words = words.split(" ")

  r = []
  words.each{ |word|
     word.each_char { |char|
         if char.to_i != 0
             r[char.to_i - 1] = word
         end
     }
  }

  r.join(" ")
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
String matchup

Ruby:

```
def solve(a,b)
  max = a.count
  ret = []

  b.each { |w|
    i = 0
    total = 0
    while (i < max)
      if (w == a[i])
        total = total + 1
      end
      i = i + 1
    end

    ret.push(total)
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Simple consecutive pairs

Ruby:

```
def pairs arr
  cont = 0
  r = 0
  while true
    if arr[cont + 1].to_i - arr[cont].to_i == 1 or arr[cont].to_i - arr[cont + 1].to_i  == 1
      r = r + 1
    end
    cont = cont + 2
    if arr[cont].nil?
      break
    end
  end
  r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Return the first M multiples of N

Ruby:

```
def multiples(m, n)
  cont = 1
  r = []
  while cont <= m
    r.push(n * cont)
    cont = cont + 1
  end
  return r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Even numbers in an array

Ruby:

```
def even_numbers(arr,n)
  r = []
  arr.each { |i|
    if i.even?
      r.push i
    end
  }
  r = r.reverse
  r = r.slice(0, n)
  r.reverse
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Calculate BMI

Ruby:

```
def bmi(weight, height)
  bmi = weight / (height ** 2)
  if bmi <= 18.5
    return "Underweight"
  elsif bmi <= 25.0
    return "Normal"
  elsif bmi <= 30.0
    return "Overweight"
  end

  return "Obese"
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Largest 5 digit number in a series

Ruby:

```
def solution(digits)
  major = 0
  digits = digits.split("")
  digits.each_with_index{ |n, index|
    number = (digits[index].to_s + digits[index + 1].to_s + digits[index + 2].to_s + digits[index + 3].to_s + digits[index + 4].to_s).to_i
    if number > major
      major = number
    end
  }
  major
end
```

- 2 years ago
- Refactor
- Discuss

PHP:

```
function solution(string $s): int {
    $major = 0;
    $length = strlen($s);
    $number = 0;

    for ($i = 0; $i < $length ; $i++) {
        if ($i + 4 >= $length) {
            break;
        }

        $number = $s[$i] . $s[$i + 1] . $s[$i + 2] . $s[$i + 3] . $s[$i + 4];

        if ($number > $major) {
            $major = $number;
        }
    }

    return $major;
}
```

- 2 years ago
- Refactor
- Discuss

Retired
Form The Largest

PHP:

```
function maxNumber($n) {
    $n = str_split($n);
    rsort($n);
    return (int) implode("", $n);
}
```

- 2 years ago
- Refactor

```
function maxNumber($n) {
    $n = str_split($n);
    sort($n);
    var_dump($n);
    $n = array_reverse($n);
    return (int) implode("", $n);
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def max_number(n)
  n.to_s.split("").sort.reverse.join("").to_i
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Product Array (Array Series #5)

Ruby:

```
def product_array(numbers)
  ret = []
  numbers.each {|n|
      ret.push(numbers.inject("*") / n)
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

PHP:

```
function productArray($nums) {
  $retArray = [];
  foreach ($nums as $index => $value) {
      $ret = 1;
      foreach ($nums as $index2 => $value2) {
          if ($index == $index2) {
              continue;
          } else {
              $ret = $ret * $value2;
          }
      }
      array_push($retArray, $ret);
  }

  return $retArray;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Odd or Even?

JavaScript:

```
function oddOrEven(array) {
   sum = 0;
   for (var i in array) {
       sum = sum + array[i];
       console.log(array[i]);
   }

   if (sum % 2 == 0) {
       return "even";
   }

   return "odd";
}
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata{
  static String oddOrEven(list) {
      Integer sum = 0

      for (item in list) {
          sum = sum + item
      }

      if (sum % 2 == 0) {
```

```
        return "even"
      }

      return "odd"
  }
}
```

- 3 years ago
- Refactor
- Discuss

Ruby:

```
def odd_or_even(array)
  sum = 0
  array.each { |a| sum+=a }
  return sum.even? ? "even": "odd"
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Shortest Word

Python:

```
def find_short(s):
    menor = None
    palavras = s.split(' ')
    for palavra in palavras:
        if (menor == None or len(palavra) < menor):
            menor = len(palavra)
    return menor
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def find_short(s)
    l = s.split(" ")
    minimun = 1000000
    l.each{ | p |
        size = p.size
        if (size < minimun)
            minimun = size
        end
    }

    minimun
end
```

- 2 years ago
- Refactor
- Discuss

```
def find_short(s)
    s = s.split(" ")
    min_length = 10000000

    s.each {|item|
        size = item.size
        if (size < min_length)
            min_length = size
        end
    }
    min_length
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Dollars and Cents

Ruby:

```
def format_money(amount)
  amount = amount.round(2)

  amount_string = amount.to_s

  pointPosition = amount_string.index(".")

  if pointPosition.nil?
    return "$" + amount_string + ".00"
  end

  if amount_string.size - pointPosition <= 2
    amount_string = amount_string + "0"
  end

  ret = "$" + amount_string

  ret_string = ret
  ret
end
```

- 2 years ago
- Refactor
- Discuss

PHP:

```
function format_money(float $amount): string {
  return "$" . number_format($amount, 2, ".","");
}
```

- 2 years ago
- Refactor
- Discuss

```
function format_money(float $amount): string {
  return '$' . number_format($amount, 2, '.', '');
}
```

- 2 years ago
- Refactor

8 kyu
Super Duper Easy

Ruby:

```
def problem x
  if x == "hello" or x == "" or x == "RyanIsCool"
    return "Error"
  end
  x * 50 + 6
```

```
end
```

- 2 years ago
- Refactor
- Discuss

```
def problem x
  if x == "hello" or x == "" or x == "RyanIsCool"
    return "Error"
  end
  puts x == ""
  x * 50 + 6
end
```

- 2 years ago
- Refactor
- Discuss

JavaScript:

```
function problem(x){
  if (typeof x == "string") {
    return "Error"
  }
  return x * 50 + 6
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
NBA full 48 minutes average

Ruby:

```
def nba_extrap(ppg, mpg)
    return 0 if mpg == 0
    ppg = ppg.to_f
    mpg = mpg.to_f
    r = (ppg * 48) / mpg
    return r.round(1)
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Ensure question

Ruby:

```
def ensure_question(s)
  if s.end_with? "?"
    return s
  end

  return s + "?"
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Difference of Volumes of Cuboids

Ruby:

```
def find_difference(a, b)
  res = a[0] * a[1] * a[2] - (b[0] * b[1] * b[2])

  if res < 0
    res = res * -1
  end

  res
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Rotate to the max

Ruby:

```
def rotate_to_max(n)
  n = n.to_s
  n_array = n.split("")
  a = n_array.sort
  a.reverse!
  a.join('').to_i
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #176: Reverse Letter

Ruby:

```
def reverse_letter(string)
  ret = ""
  string.each_char{|char|
      char = char.downcase()
      unless char.scan(/[a-z]+/).empty?
        ret += char
      end
  }
  ret.reverse
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
JavaScript Array Filter

Ruby:

```
def get_even_numbers(arr)
  ret = []
  arr.each { |item|
```

```
    if item % 2 == 0
      ret.push(item)
    end
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum of Minimums!

Ruby:

```
def sum_of_minimums(numbers)
  sum = 0
  numbers.each {|array_numbers|
    sum = sum + array_numbers.min
  }
  sum
end
```

- 2 years ago
- Refactor
- Discuss

Retired
CubeSummation

Ruby:

```
def cube_sum(n, m)
    array_sorted = [n, m].sort

    sum = 0

    i = array_sorted[0] + 1
    while (i <= array_sorted[1]) do
      sum = i ** 3 + sum
      i = i + 1
    end

    sum
end
```

- 2 years ago
- Refactor
- Discuss

```
def cube_sum(n, m)
    array_sorted = [n, m].sort

    sum = 0

    i = array_sorted[0] + 1
    while (i <= array_sorted[1]) do
      sum = i ** 3 + sum
      puts i
      puts sum
      puts "--"
      i = i + 1
    end

    sum
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Equalize the array!

Ruby:

```
def equalize(arr)
  if arr.empty?
    return []
  end

  ret = []
  diff = - arr.first

  arr.each{|i|
    item = (i + diff).to_s

    if i + diff < 0
      a = item
    else
      a = "+" + item
    end

    ret.push(a)
  }

  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Find the position!

Ruby:

```
def position(alphabet)
 "Position of alphabet: " + (alphabet.ord - 96).to_s
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Stones on the Table

Ruby:

```
def solution(stones)
  total = 0
  stones.split("").each_with_index { |stone, index|
    if stones[index + 1] != nil
      if stones[index + 1] == stone
        total = total + 1
      end
    end
  }
  total
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
CSV representation of array

Ruby:

```
def to_csv_text(array)
  ret = ""
  array.each{|internal|
    internal.each{|item|
      ret = ret + item.to_s + ","
    }
    ret = ret[0..-2] + "\n"
  }
  ret[0..-2]
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Maximum Triplet Sum (Array Series #7)

Ruby:

```
def max_tri_sum(numbers)
  numbers = numbers.uniq.sort.reverse
  numbers[0] + numbers[1] + numbers[2]
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum of the first nth term of Series

PHP:

```
function series_sum($n) {
  if ($n === 0) return "0.00";

  $start = 4;
  $increment = 3;
  $sum = 1;

  while ($n > 1) {
    $sum = $sum + 1 / (($n * 2) + $n - 2);
    $n--;
  }

  return number_format($sum, 2, ".", ",");
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Boiled Eggs

Ruby:

```
def cooking_time(eggs)
    puts eggs
    if eggs == 0
      return 0
    end

    if (8 % 8 ==0)
      eggs = eggs - 1
    end

    ((eggs / 8) + 1) * 5
end
```

- 2 years ago
- Refactor
- Discuss

5 kyu
Sort arrays - 3

Ruby:

```
# input: courses - array of course-names "name-yymm"
# output: sorted by "yymm", then "name"
def sortme( courses )
    ret = []
    courses.each{ |course|
      course = course.split("-")
      ret.push([course[1], course[0]])
    }

    ret.sort!
    ret2=[]

    ret.each{ |course|
      ret2.push(course[1] + "-" + course[0])
    }

    ret2
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
See You Next Happy Year

Ruby:

```
def next_happy_year(year)
  original_year = year.to_s
  while true
      year = year + 1

      if year.to_s.split("").uniq.size == original_year.split("").size
        break
      end
  end

  year
end
```

- 2 years ago
- Refactor

- Discuss

7 kyu
Binary Addition

Ruby:

```
def add_binary(a,b)
  (a+b).to_s(2)
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Build a square

Ruby:

```
def generate_shape(n)
  r = ""
  e = 0
  i = 0
  while e < n
    i = 0
    while i < n
      r += "+"
      i = i + 1
    end
    r += "\n"
    e = e + 1
  end
  r[0..-2]
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Form The Minimum

PHP:

```
function minValue($arr) {
  $arr = array_unique($arr);
  sort($arr);
  return (int) implode("", $arr);
}
```

- 2 years ago
- Refactor
- Discuss

Ruby:

```
def min_value(digits)
  r = []
  digits.each{|digit|
    unless r.include? digit
      r.push(digit)
    end
  }
  r.sort!
  r.join("").to_i
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Array.diff

Ruby:

```
def array_diff(a, b)
  r = []
  a.each { |i|
    unless (b.include? i)
      r.push(i)
    end
  }
  r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Complementary DNA

Ruby:

```
def DNA_strand(dna)
  r = ""
  dna.each_char { |c|
    if c == "A"
      r = r + "T"
    elsif c == "T"
      r = r + "A"
    elsif c == "G"
      r = r + "C"
    elsif c == "C"
      r = r + "G"
    end
  }
  r
end
```

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- Refactor
- Discuss

7 kyu
Halving Sum

Ruby:

```
def halving_sum(n)
  sum = 0
  while (n >= 1)
    sum = sum + n
    n = n / 2
  end

  sum
end
```

- 2 years ago
- Refactor
- Discuss

```
def halving_sum(n)
  sum = 0
  while (n >= 1)
    sum += n;
    n = (n /2).floor
  end

  sum
end
```

- 3 years ago
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C++:

```
#include <math.h>

unsigned halving_sum(unsigned n) {
  int sum = 0;

  while (n >= 1) {
    sum += n;
    n = floor(n /2);
  }

  return sum;
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
16+18=214

Ruby:

```
def silly_add(a, b)
  cont = 0

  a = a.to_s
  b = b.to_s

  if (a.size > b.size)
    c = a
    d = b
    d = d.rjust(a.size, "0")
  else
    c = b
    d = a
    d = d.rjust(b.size, "0")
  end

  sum = ""
  cont = c.size - 1
  while true
    char = c[cont]
    sum = (char.to_i + d[cont].to_i).to_s + sum
    puts(sum)
    cont = cont - 1

    if cont == -1
      break
    end
  end

  sum.to_i
end
```

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- Discuss

7 kyu
Jumping Number (Special Numbers Series #4)

Ruby:

```
def jumping_number(n)
  n = n.to_s.split("")
  jumping = true

  if n.length == 1
    return "Jumping!!"
  end

  loop = n.each_with_index{ |number, index|
  number = number.to_i
    if index == 0
      next if number - n[index + 1].to_i == 1 or number - n[index + 1].to_i == -1
      jumping = false
      break
    end

    next if number - n[index + 1].to_i == 1 or number - n[index + 1].to_i == -1 or  number - n[index - 1].to_i == 1 or number - n[index - 1].to_i == -1
    jumping = false
    break
  }

  return "Not!!" unless jumping

  return "Jumping!!"
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Terminal game move function

Ruby:

```
def move (position, roll)
  roll * 2 + position
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
MakeUpperCase

Ruby:

```
def make_upper_case(str)
  str.upcase
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum even numbers

Ruby:

```
def sum_even_numbers(seq)
  sum = 0
  seq.each {|number|
    if number % 2 == 0
      sum = sum + number
    end
  }
  sum
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
L2: Triple X

JavaScript:

```
function tripleX(str){
  const posXxx = str.indexOf("xxx")
  const posX = str.indexOf("x")

  return posX == posXxx && posXxx != -1

}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Switch it Up!

Ruby:

```
def switch_it_up(number)
  if number == 1
    return "One"
  elsif number == 2
    return "Two"
  elsif number == 3
    return "Three"
  elsif number == 4
    return "Four"
  elsif number == 5
    return "Five"
  elsif number == 6
    return "Six"
  elsif number == 7
    return "Seven"
  elsif number == 8
    return "Eight"
  elsif number == 9
    return "Nine"
  else
    return "Zero"
  end
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Find the middle element

Ruby:

```
def gimme(input_array)
  ordered = input_array.sort
  middle = nil
  input_array.each_with_index {|item, index|
    if item == ordered[1]
      middle = index
      break
    end
  }
  return middle
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Find Your Villain Name

Ruby:

```
def get_villain_name birthday
  birthday_string = birthday.to_s
  month = birthday_string[5..6]

  if (month == "01")
    string = "The Evil"
  end

  if (month == "02")
    string = "The Vile"
  end

  if (month == "03")
    string = "The Cruel"
  end

  if (month == "04")
    string = "The Trashy"
  end

  if (month == "05")
    string = "The Despicable"
  end

  if (month == "06")
    string = "The Embarrassing"
  end

  if (month == "07")
    string = "The Disreputable"
  end

  if (month == "08")
    string = "The Atrocious"
  end
```

```
  if (month == "09")
    string = "The Twirling"
  end

  if (month == "10")
    string = "The Orange"
  end

  if (month == "11")
    string = "The Terrifying"
  end

  if (month == "12")
    string = "The Awkward"
  end

  day = birthday_string[9]

  if (day == "0")
    string += " Mustache"
  end

  if (day == "1")
    string += " Pickle"
  end

  if (day == "2")
    string += " Hood Ornament"
  end

  if (day == "3")
    string += " Raisin"
  end

  if (day == "4")
    string += " Recycling Bin"
  end

  if (day == "5")
    string += " Potato"
  end

  if (day == "6")
    string += " Tomato"
  end

  if (day == "7")
    string += " House Cat"
  end

  if (day == "8")
    string += " Teaspoon"
  end

  if (day == "9")
    string += " Laundry Basket"
  end

  return string
end
```

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- Refactor
- Discuss

7 kyu
Shared Bit Counter

Ruby:

```
def shared_bits(a, b)
  binnary_a = a.to_s(2)
  binnary_b = b.to_s(2)
  binnary_a = binnary_a.rjust(binnary_b.size, "0")
  binnary_b = binnary_b.rjust(binnary_a.size, "0")

  count_1 = 0
  position_count = 0
  binnary_a.each_char { |c|
    if c === binnary_b[position_count] and c == "1"
      count_1 = count_1 + 1
    end

    position_count = position_count + 1
  }

  count_1 >= 2
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Valid Spacing

Ruby:

```
def valid_spacing(s)
  s.strip().gsub(/  /, "") === s
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Sum - Square Even, Root Odd

Ruby:

```
def sum_square_even_root_odd(nums)
  sum = 0

  nums.each { |num|
      if num % 2 === 0
        sum = sum + (num ** 2)
      else
        sum = sum + (Math.sqrt(num))
      end

  }

  sum.round(2)
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Tidy Number (Special Numbers Series #9)

PHP:

```
function tidyNumber($n) {
  $array = str_split($n);
  $previous = null;
```

```
    foreach ($array as $number) {
        if (is_null($previous)) {
            $previous = $number;
            continue;
        }

        if ($number < $previous) return false;
        $previous = $number;
    }
    return true;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Square(n) Sum

JavaScript:

```
function squareSum(numbers){
  let retorno = 0;
  for (let i of numbers) {
    retorno += Math.pow(i, 2);
  }
  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Lost number in number sequence

JavaScript:

```
function findDeletedNumber(arr, mixArr) {
  for (n of arr) {
    if (mixArr.indexOf(n) === -1) {
      return n
    }
  }

  return 0
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Function 2 - squaring an argument

Ruby:

```
# Write the "square"-function here
def square(number)
    number ** 2
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Larger Product or Sum

JavaScript:

```
function sumOrProduct(array, n) {
    let sortedArray = array.sort(function(a,b) {return a-b})
    let product = 1
    let sum = 0

    for (var i = 0 ; i < n ; i++) {
        product = product * sortedArray[i]
    }

    for (i = 0 ; i < n ; i++) {
        sum = sum + sortedArray[sortedArray.length - i - 1]
    }

    if (product > sum) {
        return "product"
    } else if (product < sum) {
        return "sum"
    }
    return "same"
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Automorphic Number (Special Numbers Series #6)

Ruby:

```
def automorphic(n)
  d = n ** 2

  if d.to_s.include? n.to_s
    return "Automorphic"
  end

  return "Not!!"
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Factorial

PHP:

```
function factorial(int $n): int {
  if ($n == 0) return 1;

  if ($n < 0 || $n > 12) {
    throw new RangeException ;
  }

  $result = 1;
  for ($i = 1; $i <= $n ; $i++) {
    $result = $result * $i;
  }
```

```
  return $result;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Fix string case

Ruby:

```
def solve s
  contLower = 0
  contUpper = 0
  s.each_char { |c|
    if c.match(/[a-z]/)
      contLower = contLower + 1
    elsif c.match(/[A-Z]/)
      contUpper = contUpper + 1
    end
  }

  puts "contLower: " + contLower.to_s
  puts "contUpper: " + contUpper.to_s

  if (contLower >= contUpper)
    s.downcase!
  elsif  (contUpper > contLower)
    s.upcase!
  end

    s
end
```

- 2 years ago
- Refactor
- Discuss

6 kyu
Backspaces in string

Ruby:

```
def clean_string(string)
        ret = ""
  string.each_char { |c|
    if (c == "#")
      ret = ret[0..-2]
    else
      ret = ret + c
    end
  }
  ret

end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Triple Trouble

JavaScript:

```
function tripleTrouble(one, two, three){
  let r = ""

  for (let i in one) {
    r += one[i] + two[i] + three[i]
  }

  return r
 }
```

- 2 years ago
- Refactor
- Discuss

8 kyu
SpeedCode #2 - Array Madness

JavaScript:

```
function arrayMadness(a, b) {
    let soma1=0;
    let soma2=0;

    for (let i of a) {
        soma1 = soma1 + Math.pow(i,2)
    }

    for (let k of b) {
        soma2 = soma2 + Math.pow(k,3)
    }

    return soma1 > soma2 ? true : false;
}
```

- 2 years ago
- Refactor

8 kyu
Simple multiplication

Ruby:

```
def simple_multiplication(number)
  number % 2 == 1 ? number * 9 : number * 8
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Reverse a Number

JavaScript:

```
function reverseNumber(n) {
    let s = n.toString();
    let r = parseInt(s.split("").reverse().join(""));
    if (n < 0) {
        return r * -1;
    }

    return r;
}
```

- 2 years ago

- Refactor
- Discuss

Ruby:

```
def reverse_number(n)
   n = n.to_s
   if n.slice(0,1) == "-" then
       negativo = true
       n.slice(1, 99)
   end
   n.reverse!

   if negativo then
       n = "-" + n
   end

   n.to_i
end
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Summation

PHP:

```
function summation($n) {
  $soma = 0;
    for ($i = $n; $i >0 ; $i--) {
        $soma += $i;
    }

    return $soma;
}
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class GrassHopper {
  def static int summation(n) {
    def sum = 0
    Integer i = 0

    for (i = n; i > 0 ; i--) {
        sum += i
    }

    return sum
  }
}
```

- 3 years ago
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- Discuss

Ruby:

```
def summation(num)
  current = 0
  sum = 0

  while (current <= num)
    sum = sum + current
    current = current + 1
  end

  sum
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Closest elevator

Python:

```
def elevator(left, right, call):
    p1 = abs(call - left)
    p2 = abs(call - right)

    if (p1 < p2) :
        return 'left'
    else:
        return 'right'
```

- 4 years ago
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- Discuss

```
def elevator(left, right, call):
    p1 = abs(call - left)
    p2 = abs(call - right)

    if (p1 < p2):
        return "left"
    else:
       return "right"
```

- 4 years ago
- Refactor

Ruby:

```
def elevator(left, right, call)
    p1 = call - left
    p1 = p1.abs

    p2 = call - right
    p2 = p2.abs

    if (p1 < p2)
       return "left"
    else
       return "right"
    end
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Mispelled word

JavaScript:

```
var mispelled = function(word1, word2)
{
    let diferenca = word1.length - word2.length;

    if (diferenca > 1 && diferenca < -1) {
        return false;
    }

    let arrayWord1 = word1.split("");
    let ocorrencias = 0;

    for (c of arrayWord1) {
       if (word2.indexOf(c) == -1) {
           ocorrencias = ocorrencias + 1;
       }
    }

    if (ocorrencias > 1) {
        return false;
    }

    let arrayWord2 = word2.split("");
    ocorrencias = 0;

    for (c of arrayWord2) {
       if (word1.indexOf(c) == -1) {
           ocorrencias = ocorrencias + 1;
       }
    }

    if (ocorrencias > 1) {
        return false;
    }

    return true;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Exclamation marks series #6: Remove n exclamation marks in the sentence from left to right

JavaScript:

```
function remove(s,n){
  while (n > 0) {
      s = s.replace("!", "");
      n = n-1;
  }

  return s;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Expressions Matter

Ruby:

```
def expression_matter(a,b,c)
  r = Array.new

  r[0] = a + b   + c
  r[1] = (a * b) + c
  r[2] = a + (b * c)
  r[3] = a * b * c
  r[4] = (a + b) * c
  r[5] = a * (b + c)

  r.sort()[5]
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Is the date today

JavaScript:

```
function isToday(date) {
  let currentDate = new Date;
  return date.getDay() == currentDate.getDay() && date.getMonth() == currentDate.getMonth() && date.getYear() == currentDate.getYear();
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Descending Order

Ruby:

```
def descending_order(n)
  n.to_s.split("").sort().reverse().join("").to_i
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Grade book

PHP:

```
function getGrade($a, $b, $c) {
  $mean = ($a + $b + $c) / 3;

  if ($mean >= 90) {
    return "A";
  }

  if ($mean >= 80) {
    return "B";
  }

  if ($mean >= 70) {
    return "C";
  }

  if ($mean >= 60) {
    return "D";
  }

  return "F";
```

```
}
```

- 2 years ago
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- Discuss

8 kyu
Century From Year

PHP:

```
function centuryFromYear($year)
{
  $divisionResult = (int) $year / 100;
  $remainder = (int) $year % 100;

  return $remainder > 0 ? floor($divisionResult + 1) : floor($divisionResult);
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Invert values

PHP:

```
function invert($a): array {
  $r = [];
  for ($i = 0; $i < count($a); $i++) {
      array_push($r, -1 * $a[$i]);
  }
  var_dump($r[1]);
  return empty($r) ? [] : $r;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Debug

PHP:

```
function weatherInfo(int $temp): string
{
  $c = convertToCelsius($temp);
  if($c < 0) {
    return ($c . " is freezing temperature");
  } else {
    return ($c . " is above freezing temperature");
  }
}

function convertToCelsius(int $temperature): int
{
  return ($temperature - 32) * (5/9);
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Count the divisors of a number

JavaScript:

```
function getDivisorsCnt(n){
    let total = 0 ;
    let contador = 1;
    while (contador <= n) {
       if (n % contador == 0) {
         total++;
       }

       contador++;
    }

    return total;
}
```

- 3 years ago
- Refactor
- Discuss

C#:

```
public class Kata
{
  public static int Divisors(int n)
  {
    int total = 0 ;
    int contador = 1;
    while (contador <= n) {
       if (n % contador == 0) {
         total++;
       }

       contador++;
    }

    return total;
  }
}
```

- 3 years ago
- Refactor
- Discuss

Python:

```
def divisors(n):
    total = 0 ;
    contador = 1;
    while (contador <= n):
       if (n % contador == 0):
         total = total + 1;

       contador = contador + 1;

    return total;
```

- 3 years ago
- Refactor
- Discuss

Ruby:

```
def divisors(n)
  current = 1
  total = 0
  while (current <= n) do
    if n % current == 0
      total = total + 1
    end
    current = current + 1
  end
  total
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Vowel Count

JavaScript:

```
function getCount(str) {
  let matches = str.match(/[aeiou]/g);

  return matches == null ? 0 : matches.length;
}
```

- 5 years ago
- Refactor
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Ruby:

```
def getCount(inputStr)
  r = 0
  cont = 0
  while (cont < inputStr.size) do
    if (inputStr[cont] == "a" || inputStr[cont] == "e" || inputStr[cont] == "i" || inputStr[cont] == "o" || inputStr[cont] == "u")
      r = r + 1
    end
    cont = cont + 1
  end
  r
end
```

- 2 years ago
- Refactor
- Discuss

```
def getCount(inputStr)
  cont = 0
  r = 0
  while (cont < inputStr.size) do
    if (inputStr[cont] == "a" || inputStr[cont] == "e" || inputStr[cont] == "i" || inputStr[cont] == "o" || inputStr[cont] == "u")
      r = r + 1
    end
    cont = cont + 1
  end
  r
end
```

- 2 years ago
- Refactor
- Discuss

7 kyu
String ends with?

Ruby:

```
def solution(str, ending)
  puts str[str.size - ending.size .. str.size]
  str[str.size - ending.size .. str.size] === ending
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Returning Strings

Ruby:

```
def greet(name)
  "Hello, " + name + " how are you doing today?"
end
```

- 2 years ago
- Refactor
- Discuss

```
def greet(name)
   "Hello, " + name + " how are you doing today?"
end
```

- 3 years ago
- Refactor

Groovy:

```
class Wherever {
  static String translate(name) {
    "Hello, " + name + " how are you doing today?"
  }
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Return the day

JavaScript:

```
function whatday(n) {
    if (n == 1) {
        return"Sunday"
    }
    else if (n == 2) {
        return "Monday"
    }
    else if (n == 3) {
        return "Tuesday"
    }
    else if (n == 4) {
        return "Wednesday"
    }
    else if (n == 5) {
        return "Thursday"
    }
```

```
    else if (n == 6) {
        return "Friday"
    }
    else if (n == 7) {
        return "Saturday"
    }

    return "Wrong, please enter a number between 1 and 7"
}
```

- 4 years ago
- Refactor
- Discuss

```
function whatday(num) {
    if (num == 1) {
        return "Sunday";
    } else if (num == 2) {
        return "Monday";
    } else if (num == 3) {
        return "Tuesday";
    } else if (num == 4) {
        return "Wednesday";
    } else if (num == 5) {
        return "Thursday";
    } else if (num == 6) {
        return "Friday";
    } else if (num == 7) {
        return "Saturday";
    }

    return  "Wrong, please enter a number between 1 and 7";
}
```

- 4 years ago
- Refactor

```
function whatday(weekday) {
  if (weekday == 1) return "Sunday";
  if (weekday == 2) return "Monday";
  if (weekday == 3) return "Tuesday";
  if (weekday == 4) return "Wednesday";
  if (weekday == 5) return "Thursday";
  if (weekday == 6) return "Friday";
  if (weekday == 7) return "Saturday";
  return 'Wrong, please enter a number between 1 and 7';
}
```

- 5 years ago
- Refactor
- Discuss

Ruby:

```
def what_day?(n)
  if n == 1
    return "Sunday"
  elsif n == 2
    return "Monday"
  elsif n == 3
    return "Tuesday"
  elsif n == 4
    return "Wednesday"
  elsif n == 5
    return "Thursday"
  elsif n == 6
    return "Friday"
  elsif n == 7
    return "Saturday"
  end

  return "Wrong, please enter a number between 1 and 7"

end
```

- 2 years ago
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- Discuss

```
def what_day?(n)
    if n == 1 then
        return "Sunday"
    elsif n == 2 then
        return "Monday"
    elsif n == 3 then
        return "Tuesday"
    elsif n == 4 then
        return "Wednesday"
    elsif n == 5 then
        return "Thursday"
    elsif n == 6 then
        return "Friday"
    elsif n == 7 then
        return "Saturday"
    end

    "Wrong, please enter a number between 1 and 7"
end
```

- 4 years ago
- Refactor
- Discuss

```
def what_day?(n)
    if n == 1
        return"Sunday"
    elsif n == 2
        return "Monday"
    elsif n == 3
        return "Tuesday"
    elsif n == 4
        return "Wednesday"
    elsif n == 5
        return "Thursday"
    elsif n == 6
        return "Friday"
    elsif n == 7
        return "Saturday"
    end

    return "Wrong, please enter a number between 1 and 7"
end
```

- 4 years ago
- Refactor

```
def what_day?(n)
    if n == 1
        return"Sunday"
    elsif n == 2
        return "Monday"
    elsif n == 3
        return "Tuesday"
    elsif n == 4
        return "Wednesday"
    elsif n == 5
        return "Thursday"
    elsif n == 6
        return "Friday"
    elsif n == 7
        return "Saturday"
    end
```

```
    return "Wrong, please enter a number between 1 and 7"
end
```

- 4 years ago
- Refactor

Python:

```
def whatday(n):
    if n == 1:
        return"Sunday"
    elif n == 2:
        return "Monday"
    elif n == 3:
        return "Tuesday"
    elif n == 4:
        return "Wednesday"
    elif n == 5:
        return "Thursday"
    elif n == 6:
        return "Friday"
    elif n == 7:
        return "Saturday"

    return "Wrong, please enter a number between 1 and 7"
```

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- Refactor
- Discuss

6 kyu
Multiplication table

Ruby:

```
def multiplication_table(size)
      x = 1
      y = 1
      i = 1
      multiplicator = 1
      cont = 0
      r1 = []
      r2 = []
      while y <= size do
        while cont < size do
          r1.push(x)
          x = x + i
          cont = cont + 1
        end
        cont = 0
        r2.push(r1)
        r1 = []
        multiplicator = multiplicator + 1
        x = y + 1
        y = y + 1
        i = i + 1
      end
      r2
end
```

- 2 years ago
- Refactor

```
def multiplication_table(size)
      x = 1
      y = 1
      i = 1
      multiplicator = 1
      cont = 0
      r1 = []
      r2 = []
      while y <= size do
        while cont < size do
          r1.push(x)
          x = x + i
          cont = cont + 1
        end
        cont = 0
        r2.push(r1)
        r1 = []
        multiplicator = multiplicator + 1
        x = y + 1
        y = y + 1
        i = i + 1
      end
      r2
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Ruby Metaprogramming 101 - Dynamic Method Calls

Ruby:

```
def dynamic_caller(obj, method)
  obj.public_send(method)
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Function syntax debugging

Ruby:

```
def main(verb, noun)
  verb + noun
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Smallest unused ID

Ruby:

```
def next_id(arr)
  arr.sort!
  cont = 0

  while (true) do
    return cont unless arr.include? cont
    cont = cont + 1
  end
end
```

- 2 years ago
- Refactor

- Discuss

8 kyu
Grasshopper - If/else syntax debug

Ruby:

```
def check_alive(health)
  if health <= 0
    return false
  else
    return true
  end
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Hello, Name or World!

PHP:

```
function hello($name = ''): string {
  if (empty($name)) return "Hello, World!";
  return "Hello, " . ucfirst(strtolower($name)) . "!";
}
```

- 2 years ago
- Refactor
- Discuss

5 kyu
Perimeter of squares in a rectangle

Ruby:

```
def perimeter(n)
    4 * fibonacci(n + 1)
end

def fibonacci (numero)
  iteracoes = 0
  numero_atual = 1
  numero_anterior = 0
  total = 0

  while iteracoes < numero
     total = total + numero_atual
     temp = numero_atual
     numero_atual = numero_atual + numero_anterior
     numero_anterior = temp
     iteracoes = iteracoes + 1
  end

  total
end
```

- 5 years ago
- Refactor

JavaScript:

```
function perimeter(n) {
    let valor = fib(n);
    return 4* valor.reduce((a, b) => a + b, 0);
}

function fib(max) {
  let prev1 = 1;
  let prev2 = 0;
  let sum = 1;
  let current = 0;
  let retorno = [1];

  while (current < max) {
     sum = sum + prev2;
     prev2 = prev1;
     prev1 = sum;
     retorno.push(sum);
     current++;
  }

  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function perimeter($n) {
    return 4 * fibonacci($n + 1);
}

function fibonacci($numero) {
  $iteracoes = 0;
  $numero_atual = 1;
  $numero_anterior = 0;
  $total = 0;

  while ($iteracoes < $numero) {
     $total = $total + $numero_atual;
     $temp = $numero_atual;
     $numero_atual = $numero_atual + $numero_anterior;
     $numero_anterior = $temp;
     $iteracoes = $iteracoes + 1;
  }

  return $total;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Exclusive "or" (xor) Logical Operator

Go:

```
package kata

func Xor(a, b bool) bool {
  if ((a == true && b == false) || (b == true && a == false)) {
    return true
  }
  return false
}
```

- 3 years ago
- Refactor

- Discuss

Retired
Watermelon

Go:

```
package kata

func Divide(weight int) bool {
    return (weight % 2 == 0) && (weight > 2)
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
SQL Basics: Simple JOIN with COUNT

SQL:

```
-- Create your SELECT statement here
select people.*, count(toys.people_id) as toy_count from people inner join toys on people.id = toys.people_id group by(people.id)
```

- 3 years ago
- Refactor
- Discuss

8 kyu
The falling speed of petals

JavaScript:

```
function sakuraFall(v) {
  if (v <= 0) return 0;

  return 400/v;
}
```

- 3 years ago
- Refactor
- Discuss

Ruby:

```
def sakura_fall(v)
  v = v.to_f
  v <= 0 ? 0 : 400 / v
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Beginner Series #4 Cockroach

JavaScript:

```
function cockroachSpeed(s) {
  return Math.floor(s * 100000 / 3600);
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Parse float

JavaScript:

```
function parseF(s) {
  if (isNaN(Number.parseFloat(s))) {
    return null;
  }

  return parseFloat(s);
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Messi Goals

JavaScript:

```
var laLigaGoals = 43;
var championsLeagueGoals = 10;
var copaDelReyGoals = 5;

var totalGoals = laLigaGoals + championsLeagueGoals + copaDelReyGoals;
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Debug sayHello

JavaScript:

```
function sayHello(name) {
  return 'Hello, ' + name;
}
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function sayHello(string $name): string
{
  return "Hello, " . $name;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Capitalization and Mutability

JavaScript:

```
function capitalizeWord(word) {
  return word[0].toUpperCase() + word.slice(1, word.length);
}
```

- 3 years ago
- Refactor
- Discuss

6 kyu
Stop gninnipS My sdroW!

Ruby:

```
def spinWords(string)
  string.split(" ").map{|palavra|   palavra.length >= 5 ? palavra.reverse : palavra}.join(" ")
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function spinWords(frase){
  let palavras = frase.split(' ');
  for (let indice in palavras) {
    if (palavras[indice].length >= 5) {
      palavras[indice] = palavras[indice].split('').reverse().join('');
    }
  }
  return palavras.join(' ');
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Are the numbers in order?

PHP:

```
function in_asc_order($arr) {
  $itemAnterior = null;
  foreach ($arr as $item) {
      if ($item < $itemAnterior) return false;
      $itemAnterior = $item;
  }

  return true;
}
```

- 3 years ago
- Refactor

Ruby:

```
def is_asc_order a
  itemAnterior = -100000000
  a.each {|item|
      return false if (item < itemAnterior)
      itemAnterior = item
  }

  true
end
```

- 3 years ago
- Refactor
- Discuss

C++:

```
bool isAscOrder(std::vector<int> arr)
{
  int itemAnterior;

  for (int item : arr) {
      if (item < itemAnterior) return false;
      itemAnterior = item;
  }

  return true;
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Maximum Multiple

PHP:

```
function maxMultiple($divisor, $extremo) {
     $retorno = 0;
     $numero = 1;
     while ($numero <= $extremo) {
         if ($numero % $divisor == 0) {
             $retorno = $numero;
         }
         $numero++;
     }

     return $retorno;
}
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static maxMultiple($divisor, $extremo) {
     def $retorno = 0;
     def $numero = 1;
     while ($numero <= $extremo) {
         if ($numero % $divisor == 0) {
             $retorno = $numero;
         }
         $numero++;
     }

     return $retorno;
}
```

```
}
```

- 3 years ago
- Refactor
- Discuss

TypeScript:

```
export function maxMultiple(divisor: number, bound: number) {

    let retorno = 0;
    let numero = 1;
    while (numero <= bound) {
        if (numero % divisor == 0) {
            retorno = numero;
        }
        numero++;
    }

    return retorno;
}
```

- 3 years ago
- Refactor
- Discuss

C++:

```
int maxMultiple(int divisor, int bound)
{
     int retorno = 0;
     int numero = 1;
     while (numero <= bound) {
         if (numero % divisor == 0) {
             retorno = numero;
         }
         numero++;
     }

     return retorno;
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Check the exam

Python:

```
def check_exam(arr1,arr2):
    sum = 0
    current = 0
    for i in arr2:
        if i == "":
            next
        elif i == arr1[current]:
            sum = sum + 4
        else:
            sum = sum - 1

        current = current + 1

    if sum < 0:
        return 0

    return sum
```

- 3 years ago
- Refactor
- Discuss

TypeScript:

```
export function checkExam(array1: string[], array2: string[]): number {
    let sum = 0;
    let current = 0;
    let i;

    for (i in array2) {
        if (array2[i] == "") {

        }
        else if (array2[i] == array1[current]) {
            sum = sum + 4;
        }
        else {
            sum = sum - 1;
        }
        current = current + 1;
    }

    if (sum < 0) {
        return 0;
    }

    return sum;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Short Long Short

PHP:

```
function shortLongShort(string $s1, string $s2): string
{
  $tamanho1 = strlen($s1);
  $tamanho2 = strlen($s2);

  if ($tamanho1 > $tamanho2) {
    return $s2 . $s1 . $s2;
  }
  return $s1 . $s2 . $s1;
}
```

- 3 years ago
- Refactor
- Discuss

TypeScript:

```
export function shortLongShort(a:string, b:string) {
  let tamanho1 = b.length;
  let tamanho2 = a.length;

  if (tamanho1 > tamanho2) {
    return a + b + a;
  }
  return b + a + b;
```

```
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Quarter of the year

Python:

```
import math
def quarter_of(month):
    return math.ceil(month/3)
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Fake Binary

PHP:

```
function fake_bin(string $s): string {
  $s = preg_replace("/[01234]/","0", $s);
  $s = preg_replace("/[56789]/","1", $s);

  return $s;
}
```

- 3 years ago
- Refactor
- Discuss

Retired
Thinkful - Number Drills: Pixelart planning

JavaScript:

```
function isDivisible(wallLength, pixelSize) {
    if (wallLength % pixelSize == 0) {
        return true;
    } else {
        return false;
    }
}
```

- 4 years ago
- Refactor

```
function isDivisible(wallLength, pixelSize){
 return !((wallLength / pixelSize) % 1);
}
```

- 5 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
    static def isDivisible(wallLength, pixelSize) {
        if (wallLength % pixelSize == 0) {
            return true
        } else {
            return false
        }
    }
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Remove B M W

JavaScript:

```
function removeBMW(str){
  if (typeof str !== "string") throw new Error("This program only works for text.");

  //TO DO
  return str.replace(/[bmw]/ig, '');
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Elevator Distance

JavaScript:

```
function elevatorDistance(array) {
  let total = 0;
  for (i in array) {
    if ( i == array.length - 1) break;
    total += Math.abs(array[i] - array[parseInt(i)+1]);
  }
  return total;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Sum of odd numbers

JavaScript:

```
function rowSumOddNumbers(n) {
  if (n === 1) return 1;
        let primeiro = Math.pow(n, 2) - n;
        let soma = primeiro;

  let cont = 1;
  while (cont < n) {
    soma = soma + primeiro + 2 * cont;
    cont++;
  }

  return soma + n;
}
```

- 5 years ago

- Refactor
- Discuss

Groovy:

```
class Kata {
  static rowSumOddNumbers(n) {
    if (n == 1) return 1

    Integer primeiro = Math.pow(n, 2) - n
    Integer soma = primeiro

    Integer cont = 1
    while (cont < n) {
      soma = soma + primeiro + 2 * cont
      cont = cont + 1
    }

    return soma + n
  }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Convert a String to a Number!

Ruby:

```
def string_to_number(s)
    s.to_i
end
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function stringToNumber($str) {
    return (int) $str; // do stuff
}
```

- 3 years ago
- Refactor
- Discuss

```
function stringToNumber($str) {
  return (int) $str;
}
```

- 3 years ago
- Refactor

C#:

```
using System;
  public class Kata
  {
    public static int StringToNumber(String str) {
         return  Int32.Parse(str);
  }
}
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
    static int stringToNumber(String s) {
        s.toInteger()
    }
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Small enough? - Beginner

PHP:

```
function smallEnough($a, $limit){
  $t=0;

  for ($i=0; $i < count($a) + 1; $i++) {
      if ($a[$i] > $limit) {
          return false;
      }
  }

  return true;
}
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
    static def smallEnough(arr, limit) {
        def t=0;

        for (def i=0; i <= arr.size + 1; i++) {
            if (arr[i] > limit) {
                return false;
           }
        }

        return true;
    }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
How do I compare numbers?

Ruby:

```
def what_is(x)
```

```
  puts x
  if x.equal?(42)
    'everything'
  elsif x > 123
    'everything everythinged'
  else
    'nothing'
  end
end
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static whatIs(x) {
    if (x == 42) {
        return "everything"
    } else if (x > 123) {
        return 'everything squared'
    } else {
        return "nothing"
    }
  }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Sum of positive

Ruby:

```
def positive_sum(arr)
  soma = 0
  arr.each{|i| soma = soma + i if i >0}
  soma
end
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function positive_sum($arr) {
    $soma = 0;

    foreach ($arr as $num) {
        if ($num > 0) {
            $soma +=$num;
        }
    }

    return $soma;
}
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
  static positiveSum(list) {
    Integer sum = 0

    for (i in list) {
        if (i > 0) {
            sum = sum + i
        }
    }

    sum
  }
}
```

- 3 years ago
- Refactor
- Discuss

6 kyu
Create Phone Number

Ruby:

```
def createPhoneNumber(numbers)
  "(#{numbers[0..2].join}) #{numbers[3..5].join}-#{numbers[6..10].join}"
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function createPhoneNumber(numbers){
  return `(${numbers.slice(0,3).join('')}) ${numbers.slice(3,6).join('')}-${numbers.slice(6,10).join('')}`;
}
```

- 6 years ago
- Refactor

```
function createPhoneNumber(numbers){
  return `(${numbers.slice(0,3).join('')}) ${numbers.slice(3,6).join('')}-${numbers.slice(6,10).join('')}`;
}
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function createPhoneNumber($numbersArray) {
  return "(" . implode(array_slice($numbersArray,0,3),'') . ") " . implode(array_slice($numbersArray,3,3),'') . "-" .  implode(array_slice($numbersArray,6,4),'');
}
```

- 3 years ago
- Refactor
- Discuss

```
function createPhoneNumber($numbersArray) {
  return preg_replace('/^(\d{3})(\d{3})(\d{4})$/', '($1) $2-$3', implode("", $numbersArray));
}
```

- 3 months ago

- Refactor

Groovy:

```
class Kata {
  static String createPhoneNumber(numbers){
        "(" + numbers[0] + numbers[1] + numbers[2] + ") " + numbers[3] + numbers[4] + numbers[5] + "-" + numbers[6] + numbers[7] + numbers[8] + numbers[9]
  }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Beginner Series #2 Clock

VB:

```
Public Module Kata
    Public Function Past(ByVal h As Integer, ByVal m As Integer, ByVal s As Integer) As Integer
        return h * 3600 * 1000 + m * 60 * 1000 + s * 1000
    End Function
End Module
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
<?php
function past($h, $m, $s) {
  return $h * 1000 * 3600 + $m * 60 * 1000 + $s * 1000;
}
```

- 3 years ago
- Refactor

C:

```
int past(int $h, int $m, int $s) {
  return $h * 1000 * 3600 + $m * 60 * 1000 + $s * 1000;
}
```

- 3 years ago
- Refactor
- Discuss

PowerShell:

```
function Past([int] $h, [int] $m, [int] $s) {
  return $h * 1000 * 3600 + $m * 60 * 1000 + $s * 1000;
}
```

- 3 years ago
- Refactor

Groovy:

```
class Kata {
  static past(h, m, s) {
     h * 3600 * 1000 + m * 60 * 1000 + s * 1000
  }
}
```

- 3 years ago
- Refactor
- Discuss

Retired
Thinkful - String Drills: Repeater

Python:

```
def repeater(string, n):
    retorno=""
    while n > 0:
        retorno = retorno + string
        n = n-1
    return retorno
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function solution($s, $n) {
    return  str_repeat($s, $n);
}
```

- 4 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
    static def repeater(string, n) {
        def ret = ""
        while (n > 0) {
            ret = ret + string
            n = n-1
        }
        return ret
    }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Area or Perimeter

C:

```
int area_or_perimeter(int l , int w) {
  if (l == w) {
      return l * w;
  }
  return (l + w) * 2;
}
```

- 3 years ago

- Refactor
- Discuss

Groovy:

```
class Solution {
  static areaOrPerimter(int l, int w) {
      def result
      if (l == w) {
          result  = l * w
      } else {
          result = (l + w) * 2
      }

      result
    }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Opposites Attract

PHP:

```
function lovefunc($flower1, $flower2) {
    $flower1 % 2 == 0 ? $even1 = true: $even1 = false;
    $flower2 % 2 == 0 ? $even2 = true: $even2 = false;

    return $even1 && !$even2 || $even2 && !$even1;
}
```

- 3 years ago
- Refactor
- Discuss

Groovy:

```
class Kata {
    static def lovefunc(flower1, flower2) {
      Boolean even1
      Boolean even2

      if (flower1 % 2 == 0 ) {
        even1 = true
      } else {
        even1 = false
      }

      if (flower2 % 2 == 0 ) {
        even2 = true
      } else {
        even2 = false
      }

      return even1 && !even2 || even2 && !even1;
   }
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Summing a number's digits

Groovy:

```
class Kata{
    static int sumDigits(number) {
          Integer soma = 0
          number = (String) number
          def numero = ""

          number.each {
              try {
                numero = it.toInteger()
                soma = soma + numero
              } catch (e) {

              }
            }

          soma
    }
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
get ascii value of character

Ruby:

```
def getASCII(c)
   c.codepoints[0]
end
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Breaking chocolate problem

PHP:

```
function breakChocolate ($n, $m) {
    return ($n * $m) - 1;


};
```

- 3 years ago
- Refactor
- Discuss

7 kyu
esreveR

PHP:

```
function reverse(array $a): array {
  $return = [];

  foreach($a as $i) {
      array_unshift($return, $i);
```

```
  }

  return $return;
}
```

- 3 years ago
- Refactor
- Discuss

5 kyu
RGB To Hex Conversion

JavaScript:

```
function rgb(r, g, b){
  if (r > 255) r = 255;
  if (g > 255) g = 255;
  if (b > 255) b = 255;
  if (r < 0) r = 0;
  if (g < 0) g = 0;
  if (b < 0) b = 0;

  let red = r.toString(16);
  let green = g.toString(16);
  let blue = b.toString(16);

  if (red.length ==1 ) red = "0" + red;
  if (green.length ==1 ) green = "0" + green;
  if (blue.length ==1 ) blue = "0" + blue;

  return red.toUpperCase() + green.toUpperCase() + blue.toUpperCase();
}
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function rgb($r,$g,$b){
  if ($r > 255) $r = 255;
  if ($g > 255) $g = 255;
  if ($b > 255) $b = 255;

  if ($r < 0) $r = 0;
  if ($g < 0) $g = 0;
  if ($b < 0) $b = 0;

  $r = dechex($r);
  $g = dechex($g);
  $b = dechex($b);

  if (strlen($r) == 1) $r = '0' . $r;
  if (strlen($g) == 1) $g = '0' . $g;
  if (strlen($b) == 1) $b = '0' . $b;

  return strtoupper($r . $g . $b);
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
L1: Bartender, drinks!

JavaScript:

```
function getDrinkByProfession(param){
  param = param.toLowerCase();

  if (param == "jabroni") return "Patron Tequila"
  if (param == "school counselor") return "Anything with Alcohol"
  if (param == "programmer") return "Hipster Craft Beer"
  if (param == "bike gang member") return "Moonshine"
  if (param == "politician") return "Your tax dollars"
  if (param == "rapper") return "Cristal"
  return "Beer";
}
```

- 3 years ago
- Refactor
- Discuss

TypeScript:

```
export function getDrinkByProfession(param:string){
  param = param.toLowerCase();

  if (param == "jabroni") return "Patron Tequila"
  if (param == "school counselor") return "Anything with Alcohol"
  if (param == "programmer") return "Hipster Craft Beer"
  if (param == "bike gang member") return "Moonshine"
  if (param == "politician") return "Your tax dollars"
  if (param == "rapper") return "Cristal"
  return "Beer";
}
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function get_drink_by_profession($param){
  $param = strtolower($param);

  if ($param == "jabroni") return "Patron Tequila";
  if ($param == "school counselor") return "Anything with Alcohol";
  if ($param == "programmer") return "Hipster Craft Beer";
  if ($param == "bike gang member") return "Moonshine" ;
  if ($param == "politician") return "Your tax dollars" ;
  if ($param == "rapper") return "Cristal" ;
  return "Beer";
}
```

- 3 years ago
- Refactor
- Discuss

Retired
Number toString

Ruby:

```
a = 123.to_s
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
var a = "123";
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Unique string characters

Ruby:

```
def solve(a,b)
  c = b + a
  included = ""

  a.each_char { |char|
    if not b.include? char
      included += char
      puts "included: " + included
    end
  }

  b.each_char { |char|
    if not a.include? char
      included += char
      puts "included: " + included
    end
  }


  included
end
```

- 3 years ago
- Refactor
- Discuss

7 kyu
ATM

Ruby:

```
def solve(n)
  if n < 10 or n % 10 != 0
    return -1
  end

  total = 0
  puts n
  values = [500, 200, 100, 50, 20, 10]

  values.each {|value|
    if n == 0 or n < value
      next
    end

    while n > 0
      if (n - value < 0)
        break;
      end

      n = n - value
      total = total + 1
    end
  }

  total
end
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Find Duplicates

Ruby:

```
def duplicates(a)
  retorno = []

  a.each{ |e|
    if a.count(e) > 1 and retorno.count(e) == 0
      retorno.push(e)
    end
  }

  retorno
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Find the Difference in Age between Oldest and Youngest Family Members

Ruby:

```
def difference_in_ages(ages)
  minor = 1000000000000
  major = 0

  ages.each {|age|
    if (age > major)
      major = age
    end

    if (age < minor)
      minor = age
    end
  }

  [minor, major, major - minor]
end
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function differenceInAges($ages) {
  $minor = 1000000000000;
  $major = 0;

  foreach ($ages as $age) {
    if ($age > $major) {
      $major = $age;
    }

    if ($age < $minor) {
      $minor = $age;
    }
  }
```

```
  return [$minor, $major, $major - $minor];
}
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
function differenceInAges($ages) {
  $minor = 1000000000000;
  $major = 0;

  for (var i in $ages) {
    if ($ages[i] > $major) {
      $major = $ages[i];
    }

    if ($ages[i] < $minor) {
      $minor = $ages[i];
    }
  }

  return [$minor, $major, $major - $minor];
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Merge two sorted arrays into one

JavaScript:

```
function mergeArrays(arr1, arr2) {
    return [... new Set(arr1.concat(arr2).sort((a,b) => a-b))];
}
```

- 3 years ago
- Refactor

```
function mergeArrays(arr1, arr2) {
  return Array.from(new Set(arr1.concat(arr2).sort((a, b) => a- b)));
}
```

- 5 years ago
- Refactor
- Discuss

```
function mergeArrays(arr1, arr2) {
  return Array.from(new Set(arr1.concat(arr2).sort((a, b) => a - b)));
}
```

- 5 years ago
- Refactor

8 kyu
Removing Elements

Ruby:

```
def remove_every_other(arr)
  return Array.new if arr.empty?
  counter = 0
  ret = []
  arr.each {|i|
     counter = counter + 1
     if (counter % 2 == 1)
       ret.push(i)
     end
  }

  ret
end
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
function removeEveryOther(arr){
  let ret = [];
    for (var i in arr) {
        if (i % 2 == 0) {
            ret.push(arr[i]);
        }
    }

    return ret;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
You Can't Code Under Pressure #1

Ruby:

```
def double_integer(i)
  i * 2
end
```

- 3 years ago
- Refactor
- Discuss

C:

```
#include <stdint.h>

int32_t double_integer(int32_t i){
    return i*2;
}
```

- 3 years ago
- Refactor

```
#include <stdint.h>

int32_t double_integer(i) {
    return i * 2;
}
```

- 3 years ago
- Refactor

```
#include <stdint.h>
```

```
int double_integer(i){
    return i*2;
}
```

- 3 years ago
- Refactor
- Discuss

CoffeeScript:

```
doubleInteger = (i) ->
  # Double the integer, and return it!
  return i*2
```

- 3 years ago
- Refactor
- Discuss

```
doubleInteger = (i) ->
   return i *2
```

- 3 years ago
- Refactor

Python:

```
def double_integer(i):
    return i * 2
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function doubleInteger($i)
{
    return $i*2;
}
```

- 3 years ago
- Refactor
- Discuss

```
function doubleInteger($i)
{
    return $i*2;

}
```

- 3 years ago
- Refactor

Java:

```
class Java {
  public static int doubleInteger(int i) {
    // Double the integer and return it!
    return i*2;
  }
}
```

- 3 years ago
- Refactor
- Discuss

```
class Java {
  public static int doubleInteger(int i) {
    // Double the integer and return it!
    return i * 2;
  }
}
```

- 3 years ago
- Refactor

C++:

```
#include <cstdint>

int32_t double_integer(int32_t n)
{
  return n*2;
}
```

- 3 years ago
- Refactor
- Discuss

C#:

```
using System;

public static class Kata
{
  public static int DoubleInteger(int n)
  {
      return n*2;
  }
}
```

- 3 years ago
- Refactor
- Discuss

Elixir:

```
defmodule SimpleMath do
  def double_integer(x) do
    x * 2
  end
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Do I get a bonus?

Ruby:

```
def bonus_time(salary, bonus)
    if bonus then
        return "$" + (salary * 10).to_s
    end
```

```
    return "$" + salary.to_s
end
```

- 3 years ago
- Refactor
- Discuss

PHP:

```
function bonusTime($salary, $bonus) {
    return $bonus ? "$" . ($salary * 10) : "$" . $salary;
}
```

- 3 years ago
- Refactor

```
function bonusTime($salary, $bonus) {
    if ($bonus) {
        return "$" . ($salary * 10);
    }
    return "$" .  $salary;
}
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
function bonusTime(salary, bonus) {
    if (bonus) {
        return "£" + (salary * 10)
    }

    return "£" + salary
}
```

- 3 years ago
- Refactor
- Discuss

C#:

```
public static class Kata
    {
        public static string bonus_time(int salary, bool bonus)
        {
            if (bonus) {
                return "$" + (salary * 10);
            }
            return "$" + salary;
        }
    }
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Simple beads count

Ruby:

```
def count_red_beads n
  t = n * 2 - 2
  return 0 if t < 2
  t
end
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function count_red_beads(int $n): int {
  return $n <= 0 ? 0 : ($n-1) * 2;
}
```

- 3 years ago
- Refactor

```
function count_red_beads(int $n): int {
    if ($n == 0) return 0;

    return ($n-1) * 2;
}
```

- 3 years ago
- Refactor

```
function count_red_beads(int $n): int {
  $t = ($n * 2) - 2;

  if ($n < 2) {
      return 0;
  }

  return $t;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Is it even?

Ruby:

```
def test_even(n)
  n = n.round
  n.to_i.even?
end
```

- 3 years ago
- Refactor

6 kyu
Counting Duplicates

Ruby:

```
def duplicate_count(text)
    text.downcase!
    duplicados = []
    proxima_posicao = 1
    text.split("").each do |i|
      if (duplicados.include? i) == false and (text.slice(proxima_posicao, text.length)).include? i
                  duplicados.push(i)
```

```
            end
            proxima_posicao = proxima_posicao + 1
    end

    duplicados.count
end
```

- 6 years ago
- Refactor
- Discuss

Retired
Format a string of names like 'Bart, Lisa & Maggie'.

Ruby:

```
def list names
  names = names.map{|hash_name| hash_name[:name] + ", "}.join("")
  names = names[0..names.length - 3]
  total_virgulas = names.scan(/,/).length
  if total_virgulas >= 1 then
    posicao_ultima_virgula = names.rindex(",")
    names[posicao_ultima_virgula] = " &"
  end

  names
end
```

- 5 years ago
- Refactor

JavaScript:

```
function list(names){
  if (names.length == 0) {
    return '';
  }

  let names_string = "";
  for (var obj of names) {
    names_string += obj.name + ", ";
  }

  total_virgulas = names_string.match(/,/g).length;
  names_string = names_string.substr(0, names_string.length - 2);

  if (total_virgulas > 1) {
    posicao_ultima_virgula = names_string.lastIndexOf(",")
    names_string = names_string.substr(0,posicao_ultima_virgula) + " &" + names_string.substr(posicao_ultima_virgula + 1,names_string.length)
  }

  return names_string;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Array Mean

Ruby:

```
def find_average(nums)
  return 0 if nums.empty?

  sum = 0.0
  cont = 0.0
  nums.each {|num|
    sum = sum + num
    cont = cont + 1
  }
  (sum / cont).to_f
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Take the Derivative

Ruby:

```
def derive(coefficient, exponent)
  val = coefficient * exponent
  exponent = exponent - 1
  val.to_s + "x^" + exponent.to_s
end
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
function derive(coefficient,exponent) {
    let val = coefficient * exponent;
    exponent = exponent - 1;
    return val + "x^" + exponent;
}
```

- 3 years ago
- Refactor

8 kyu
Get Planet Name By ID

JavaScript:

```
function getPlanetName(id){
  var name;
  switch(id){
    case 1:
      name = 'Mercury';
      break;
    case 2:
      name = 'Venus';
      break;
    case 3:
      name = 'Earth';
      break;
    case 4:
      name = 'Mars';
      break;
    case 5:
      name = 'Jupiter';
      break;
    case 6:
      name = 'Saturn';
      break;
    case 7:
      name = 'Uranus';
      break;
```

```
    case 8:
      name = 'Neptune';
      break;
  }

  return name;
}
```

- 3 years ago
- Refactor
- Discuss

Ruby:

```
def get_planet_name(id)
  # This doesn't work; Fix it!
  name = ''
  case id
    when 1
      name = "Mercury"
    when 2
      name = "Venus"
    when 3
      name = "Earth"
    when 4
      name = "Mars"
    when 5
      name = "Jupiter"
    when 6
      name = "Saturn"
    when 7
      name = "Uranus"
    when 8
      name = "Neptune"
  end

  return name
end
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Remove duplicate words

PHP:

```
function removeDuplicateWords($s) {
    $words = explode(' ', $s);

    $return = [];
    foreach ($words as $word) {
        if (! in_array($word, $return)) {
            $return[] = $word;
        }

    }

    return implode($return,' ');
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Is the string uppercase?

PHP:

```
function is_uppercase($str) {
  return $str === strtoupper($str);
}
```

- 3 years ago
- Refactor

8 kyu
N-th Power

JavaScript:

```
function index(array, n){
   if (array[n] == undefined) {
       return -1;
   }
   return Math.pow(array[n], n);
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
No zeros for heros

Ruby:

```
def no_boring_zeros(num)
  num = num.to_s
  num = num.gsub(/0+$/) {''}
  num = num.to_i
  num
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Array plus array

Ruby:

```
def array_plus_array(arr1, arr2)
  arr1.sum + arr2.sum
end
```

- 3 years ago
- Refactor
- Discuss

JavaScript:

```
function arrayPlusArray(arr1, arr2) {
  sum = 0
  for (let arr of arr1) {
      sum = sum + arr
  }
  for (let arr of arr2) {
```

```
      sum = sum + arr
  }
  return sum
}
```

- 3 years ago
- Refactor

C:

```
#include <stddef.h>

long arr_plus_arr(const int *a,  const int *b, size_t na, size_t nb)
{
  long sum = 0;
  long i=0;
  for (i=0;i<na;i++ ) {
      sum = sum + a[i];
  }
  for (i=0;i<nb;i++) {
      sum = sum + b[i];
  }
  return sum;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Beginner Series #1 School Paperwork

JavaScript:

```
function paperwork(n, m) {
    if (n <= 0 || m <=0) {
        return 0;
    }

    return n * m;
}
```

- 3 years ago
- Refactor
- Discuss

Ruby:

```
def paperwork(n, m)
     if n <= 0 || m <= 0 then
         return 0
     end

     n * m
end
```

- 3 years ago
- Refactor
- Discuss

Retired
Squash the bugs

Ruby:

```
def find_longest(string)
  spl = string.split(" ")
  longest = 0
  i=0

  while (i < spl.size) do
    tamanho = spl[i].size
    if (tamanho > longest) then
       longest = tamanho
    end
    i = i + 1
  end

  return longest
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Will you make it?

Ruby:

```
def zero_fuel(distance, mpg, fuel_left)
  mpg * fuel_left >= distance
end
```

- 3 years ago
- Refactor
- Discuss

Java:

```
public class Kata {

  public static boolean zeroFuel(double distanceToPump, double mpg, double fuelLeft) {
    return mpg * fuelLeft >= distanceToPump;
  }

}
```

- 3 years ago
- Refactor
- Discuss

C:

```
#include <stdbool.h>

bool zero_fuel(double distance_to_pump, double mpg, double fuel_left)
{
    return mpg * fuel_left >= distance_to_pump;
}
```

- 3 years ago
- Refactor

```
#include <stdbool.h>

bool zero_fuel(double distance_to_pump, double mpg, double fuel_left)
{
    return mpg * fuel_left >= distance_to_pump;
}
```

- 3 years ago
- Refactor

C#:

```
using System;

public static class Kata
{
  public static bool ZeroFuel(uint distanceToPump, uint mpg, uint fuelLeft)
  {
    return mpg * fuelLeft >= distanceToPump;
  }
}
```

- 3 years ago
- Refactor

JavaScript:

```
const zeroFuel = (distanceToPump, mpg, fuelLeft) => {
  return mpg * fuelLeft >= distanceToPump;
};
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Well of Ideas - Easy Version

Ruby:

```
def well (x)
    contador = 0

    x.each { |xx|

        if xx == "good" then
            contador = contador + 1
        end
    }

    if (contador > 0 && contador <= 2)
      return "Publish!"
    elsif (contador >= 2)
        return "I smell a series!"
    else
        return "Fail!"
    end
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
A + B

Java:

```
public class FirstClass {
    public static long sum (byte a, byte b) {
        long c = a + b;
        return c;
    }
}
```

- 4 years ago
- Refactor

C#:

```
public class FirstClass
{
    public static long sum (byte a, byte b)
    {
        long c = a + b;
        return c;
    }
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
The Wide-Mouthed frog!

Ruby:

```
def mouth_size(animal)
    animal.downcase!
    animal == "alligator" ? "small" : "wide"
end
```

- 3 years ago
- Refactor
- Discuss

8 kyu
What is between?

JavaScript:

```
function between(a, b) {
  retorno = []

  while (a <= b) {
      retorno.push(a)
      a++
  }

  return retorno
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Generate range of integers

JavaScript:

```
function generateRange(min, max, step){
    retorno = []
    atual = min
```

```
    while (atual <= max) {
        retorno.push(atual)
        atual = atual + step
    }

    return retorno;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Find Multiples of a Number

Python:

```
def find_multiples(integer, limit):
    retorno = []
    inicio = integer
    while (integer <= limit):
        if (integer / inicio == integer // inicio):
            retorno.append(integer)
        integer=integer+1
    return retorno
```

- 4 years ago
- Refactor
- Discuss

Ruby:

```
def find_multiples(integer, limit)
  a = integer
  r= []
  while a <= limit
      r.push a
      a = a + integer
  end
  return r
end
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Beginner - Reduce but Grow

PHP:

```
function grow($a) {
  $resultado = 1;

  foreach ($a as $item) {
      $resultado = $resultado * $item;
  }

  return $resultado;
}
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Is this my tail?

JavaScript:

```
function correctTail(body, tail) {
    sub = body.substr(body.length-1, 1);

  if (sub == tail) {
    return true
  }
  else {
    return false;
  }
}
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function equivalent($body, $char) {
    $newChar = substr($body, -1, 1);

    if ($char == $newChar) {
        return true;
    } else {
        return false;
    }
}
```

- 4 years ago
- Refactor
- Discuss

```
function equivalent($body, $char) {
  return $char === substr($body, -1, 1);
}
```

- 4 years ago
- Refactor
- Discuss

7 kyu
Isograms

PHP:

```
function isIsogram($string) {
    for ($i=0; $i<strlen($string) ; $i++) {
        $existentes[] = $string[$i];

        for ($j = strlen($string) ; $j > $i ; $j--) {
            if (strtolower($string[$i]) == strtolower($string[$j])) {
                return false;
            }
        }
    }

    return true;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Total amount of points

PHP:

```
function points(array $games): int {
    $total = 0;
    for ($i = 0; $i < count($games); $i++) {
        $ponto1 = substr($games[$i], 0, 1);
        $ponto2 = substr($games[$i], 2, 1);
        //unset($games[count($games) - 1]);


        if ($ponto1 > $ponto2) {
            $total +=3;
        } elseif ($ponto1 == $ponto2) {
            $total +=1;
        }

    }

    print($total);
    return $total;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Bin to Decimal

PHP:

```
function binToDec($bin) {
  return bindec($bin);
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Messi goals function

C++:

```
int goals (int laLigaGoals, int copaDelReyGoals, int championsLeagueGoals) {
  return laLigaGoals + copaDelReyGoals + championsLeagueGoals;
}
```

- 4 years ago
- Refactor

Ruby:

```
def goals (laLigaGoals, copaDelReyGoals, championsLeagueGoals)
  laLigaGoals + copaDelReyGoals + championsLeagueGoals
end
```

- 4 years ago
- Refactor
- Discuss

CoffeeScript:

```
goals = (laLigaGoals, copaDelReyGoals, championsLeagueGoals) -> laLigaGoals + copaDelReyGoals + championsLeagueGoals
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Messi goals function

JavaScript:

```
function goals (laLigaGoals, copaDelReyGoals, championsLeagueGoals) {
  return laLigaGoals + copaDelReyGoals + championsLeagueGoals;
}
```

- 4 years ago
- Refactor

PHP:

```
function goals (int $laLigaGoals, int $copaDelReyGoals, int $championsLeagueGoals) : int {
  return $laLigaGoals + $copaDelReyGoals + $championsLeagueGoals;
}
```

- 4 years ago
- Refactor
- Discuss

Go:

```
package kata

func Goals(laLigaGoals, copaDelReyGoals, championsLeagueGoals int) int {
  return laLigaGoals + copaDelReyGoals + championsLeagueGoals
}
```

- 4 years ago
- Refactor
- Discuss

TypeScript:

```
export function goals (laLigaGoals:number, copaDelReyGoals:number, championsLeagueGoals:number) {
  return laLigaGoals + copaDelReyGoals + championsLeagueGoals
}
```

- 4 years ago
- Refactor
- Discuss

C++:

```
int goals (int laLigaGoals, int copaDelReyGoals, int championsLeagueGoals) {
  return laLigaGoals + copaDelReyGoals + championsLeagueGoals;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
L1: Set Alarm

Ruby:

```
def set_alarm(employed, vacation)
    if (employed == true && vacation == false)
       return  true;
     end

    false;
end
```

- 4 years ago
- Refactor

8 kyu
Count the Monkeys!

PHP:

```
function monkeyCount($n) {
  $r = [];
  for ($a = 1; $a <= $n; $a++) {
      $r[] = $a;
  }

  return $r;
}
```

- 4 years ago
- Refactor
- Discuss

7 kyu
How many arguments

PHP:

```
function args_count() {
    return count(func_get_args());
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Convert a Number to a String!

JavaScript:

```
function numberToString(num) {
  return String(num).valueOf();
}
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function numberToString($num)
{
  return (string) $num;
}
```

- 4 years ago
- Refactor
- Discuss

Ruby:

```
def numberToString(num)
  num.to_s
end
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Opposite number

JavaScript:

```
function opposite(number) {
   return number * -1
}
```

- 4 years ago
- Refactor
- Discuss

```
function opposite(number) {
   return number < 0 ? Math.abs(number): -Math.abs(number);
}
```

- 5 years ago
- Refactor

```
function opposite(number) {
  return number * (-1);
}
```

- 6 years ago
- Refactor

Python:

```
def opposite(number):
  return number * -1
```

- 4 years ago
- Refactor

```
def opposite(number):
  return number * -1
```

- 4 years ago
- Refactor
- Discuss

```
def opposite(number):
  return number*-1
```

- 4 years ago
- Refactor

C:

```
float opposite(float num) {
  return num * -1;
}
```

- 4 years ago
- Refactor

```
float opposite(float num) {
    return num * -1;
}
```

- 4 years ago
- Refactor

C++:

```
int opposite(int number)
{
    return number * -1;
}
```

- 4 years ago
- Refactor
- Discuss

OCaml:

```
let opposite (number : int) : int =
  number * -1
```

- 4 years ago
- Refactor

Go:

```
package kata

func Opposite(value int) int {
    return value * -1
}
```

- 4 years ago
- Refactor

```
package kata

func Opposite(value int) int {
    return value * -1
}
```

- 4 years ago
- Refactor
- Discuss

C#:

```
using System;

public class Kata
    {
        public  static int Opposite(int number)
        {
             return number * -1;
        }
    }
```

- 4 years ago
- Refactor

```
using System;

public class Kata
    {
        public  static int Opposite(int number)
        {
            return number * -1;
        }
    }
```

- 4 years ago
- Refactor

Groovy:

```
class Solution {
  static opposite(number) {
              return number * -1;
  }
}
```

- 4 years ago
- Refactor

Java:

```
public class Kata
    {
        public static int opposite(int number)
        {
            return -1 * number;
        }
    }
```

- 4 years ago
- Refactor

```
public class Kata
    {
        public static int opposite(int number)
        {
                    return number * -1;
        }
    }
```

- 4 years ago
- Refactor

Elixir:

```
defmodule Opposite do
  def opposite(number) do
    number * -1
  end
end
```

- 4 years ago
- Refactor

Crystal:

```
def opposite(n)
  return n * -1
end
```

- 4 years ago
- Refactor
- Discuss

```
def opposite(n)
   n * -1
end
```

- 4 years ago
- Refactor
- Discuss

Julia:

```
module Solution
  export opposite
  function opposite(number)
     return number * -1
  end
end
```

- 4 years ago
- Refactor
- Discuss

Kotlin:

```
fun opposite(number: Int): Int {
  return number * -1
}
```

- 4 years ago
- Refactor
- Discuss

Lua:

```
local kata = {}

function kata.opposite(number)
   return number * -1
end

return kata
```

- 4 years ago
- Refactor

Nim:

```
proc opposite*(number: int) : int =
  return number * -1
```

- 4 years ago
- Refactor
- Discuss

```
proc opposite*(number: int) : int =
   return number * -1
```

- 4 years ago
- Refactor

Rust:

```
fn opposite(number: i32) -> i32 {
     return number * -1
}
```

- 4 years ago
- Refactor
- Discuss

Swift:

```
func opposite(number: Double) -> Double {
  return number * -1
}
```

- 4 years ago
- Refactor

```
func opposite(number: Double) -> Double {
   return number * -1
}
```

- 4 years ago
- Refactor
- Discuss

TypeScript:

```
export class Kata {
  static opposite(n: number) {
    return n * -1;
  }
}
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function opposite($n) {
  return $n * -1;
}
```

- 4 years ago
- Refactor

Ruby:

```
def opposite n
   n * -1
end
```

- 4 years ago
- Refactor
- Discuss

7 kyu
Difference between biggest 2 numbers

Ruby:

```
def diff_big_2(arr)
  b1 = -10000
  b2 = -10000

  arr.each do |n|
    maiorTodos = false

    if n > b1 then
      b2 = b1
      b1 = n
      maiorTodos = true
    end

    if n > b2 and maiorTodos == false then
       b2 = n
    end
  end

  return b1 - b2
end
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Exclamation marks series #4: Remove all exclamation marks from sentence but ensure a exclamation mark at the end of string

PHP:

```
function remove(string $s): string {
  $s = str_replace("!", "", $s);
  $s = $s . "!";
  return $s;
}
```

- 4 years ago
- Refactor

```
function remove(string $s): string {
     $s = str_replace('!', '', $s);
     return $s . "!";
}
```

- 4 years ago
- Refactor

```
function remove(string $s): string {
   $s = str_replace("!", "", $s);
   return $s . "!";
}
```

- 4 years ago
- Refactor

```
function remove(string $s): string {
    $r = str_replace("!", "", $s);
    return $r . "!";
}
```

- 4 years ago
- Refactor

```
function remove(string $s): string {
  return str_replace("!", "", $s) . "!";
}
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function remove(s){
    let r = s.replace(/!/g, "");
    return r + "!";
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Abbreviate a Two Word Name

Java:

```
public class AbbreviateTwoWords {

  public static String abbrevName(String name) {
    String nome = name.substring(0,1);
    int indiceEspaco = Math.abs(name.indexOf(" "));
    String sobrenome = name.substring(indiceEspaco + 1, indiceEspaco + 2);

    return nome.toUpperCase() + "." + sobrenome.toUpperCase();
  }
}
```

- 4 years ago
- Refactor
- Discuss

7 kyu
Number of Divisions

JavaScript:

```
const divisions = (n, divisor) => {
    let cont = 0;

    console.log(n);
    while (n > 1) {
        n = n / divisor;
        cont++;
    }

    return cont - 1;
};
```

- 4 years ago
- Refactor
- Discuss

```
const divisions = (current_number, divisor) => {
  let total = 0;

  while (divisor <= current_number) {
    total++;
    current_number = Math.floor(current_number / divisor);
  }

  return total;
};
```

- 5 years ago
- Refactor
- Discuss

TypeScript:

```
export function divisions(n, divisor)  {
    let cont = 0;

    while (n > 1) {
        n = n / divisor;
        cont++;
    }

    return cont - 1;
};
```

- 4 years ago
- Refactor
- Discuss

7 kyu
Remove anchor from URL

JavaScript:

```
function removeUrlAnchor(url){
  url_dividida = url.split("#");
  return url_dividida[0];
}
```

- 5 years ago
- Refactor
- Discuss

```
function removeUrlAnchor(url){
  const posicaoSustenido = url.indexOf("#");

  if (posicaoSustenido > -1) {
    return url.substr(0, posicaoSustenido);
  }

  return url;
}
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function replaceAll($string) {
    if (strpos($string, "#") == false) {
        return $string;
    }
    return substr($string, 0, strpos($string, "#"));
}
```

- 4 years ago
- Refactor
- Discuss

```
function replaceAll($string) {
    $posicaoAncora = strpos($string, "#");

    if ($posicaoAncora == false) {
        return $string;
    }

    return substr($string, 0, $posicaoAncora);
}
```

- 4 years ago
- Refactor
- Discuss

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

JavaScript:

```
var countSheep = function (num){
  let retorno = '';
  let n=1;

  while(n <= num) {
      retorno = retorno + n + " sheep...";
      n++;
  }
  return retorno;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Sum Mixed Array

PHP:

```
function sum_mix($a) {
  $retorno = 0;
  foreach ($a as $i) {
      $t = gettype($i);
      if ($t == "integer" || $t == "string") {
          $retorno += $i;
      }
  }

  return $retorno;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Reversed Words

JavaScript:

```
function reverseWords(str){
  let array_retorno = []
  for (let word of str.split(" ")) {
    array_retorno.unshift(word);
  }

  return array_retorno.join(" ");
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
String repeat

JavaScript:

```
function repeatStr (n, s) {
    r = "";
    for (i=0; i < n ; i ++) {
       r = r + s;
    }
    return r;
}
```

- 4 years ago
- Refactor
- Discuss

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

- 6 years ago
- Refactor
- Discuss

PHP:

```
function repeatStr($n, $str)
{
    return str_repeat($str, $n);
}
```

- 4 years ago
- Refactor
- Discuss

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

Java:

```
class YesOrNo
{
  public static String boolToWord(boolean b)
  {
    return b ? "Yes" : "No";
  }

}
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function boolToWord( bool ){
  return bool ? "Yes" : "No";
}
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def bool_to_word(bool)
  if bool then
      return "Yes"
  end
  return "No"
end
```

- 4 years ago
- Refactor

```
def bool_to_word bool
  bool ? "Yes" : "No"
end
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function boolToWord($bool){
    return $bool ? "Yes" : "No";
}
```

- 4 years ago
- Refactor

```
function boolToWord($bool){
    if ($bool == "Yes") {
        return "Yes";
    }
    else {
        return "No";
   }
}
```

- 4 years ago
- Refactor
- Discuss

C#:

```
using System;
using System.Linq;

public static class Kata
{
  public static string boolToWord(bool word)
  {
      if (word == true)
          return "Yes";
```

```
    return "No";
  }
}
```

- 4 years ago
- Refactor

```
using System;
using System.Linq;

public static class Kata
{
  public static string boolToWord(bool word)
  {
      if (word == true) {
          return "Yes";
      }
      return "No";
  }
}
```

- 4 years ago
- Refactor

```
using System;
using System.Linq;

public static class Kata
{
  public static string boolToWord(bool word)
  {
    if (word == true) {
        return  "Yes";
    }
    return "No";

  }
}
```

- 4 years ago
- Refactor

8 kyu
DNA to RNA Conversion

Ruby:

```
def DNAtoRNA(dna)
   dna.gsub('T', 'U')
end
```

- 4 years ago
- Refactor

```
def DNAtoRNA(dna)
  r = dna.gsub!('T', 'U')
  dna
end
```

- 4 years ago
- Refactor
- Discuss

JavaScript:

```
function DNAtoRNA(dna) {
    dna = dna.replace(/T/gi,"U");
    return dna;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Do you speak "English"?

JavaScript:

```
function spEng(sentence){
  sentence = sentence.toLowerCase(sentence);
  if (sentence.match(/english/)) {
      return true;
  } else {
      return false;
  }
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
You only need one - Beginner

JavaScript:

```
function check(a,x){
  for (let i of a) {
    if (i == x) return true;
  }

  return false;
};
```

- 5 years ago
- Refactor
- Discuss

Python:

```
def check(seq, elem):
    for i in seq:
        if i == elem:
            return True;
    return False
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function solution($a, $x) {
  foreach ($a as $i) {
    if ($i === $x) {
        return true;
    }
  }

  return false;
}
```

- 4 years ago
- Refactor
- Discuss

```
function solution($a, $x) {
    return in_array($x, $a);
}
```

- 4 years ago
- Refactor

PHP:

```
function solution($a, $x) {
  foreach ($a as $i) {
    if ($i === $x) {
        return true;
    }
  }

  return false;
}
```

- 4 years ago
- Refactor

Ruby:

```
def check(arr,element)
  arr.include? element
end
```

- 4 years ago
- Refactor

Retired
Can we divide it?

JavaScript:

```
function isDivideBy(number, a, b) {
  if (number % a== 0) {
    if (number % b == 0) {
      return true;
    }
  }

  return false;
}
```

- 5 years ago
- Refactor
- Discuss

Python:

```
def is_divide_by(number, a, b):
  if number % a == 0 and number % b == 0:
      return True;
  return False;
```

- 4 years ago
- Refactor

Ruby:

```
def is_divide_by(number, a, b)
    number % a == 0 and number % b == 0
end
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Lua is easy: Lesson 1 - The basics

Lua:

```
kata = {}
function kata.firstLua(a,b,c)
    if (b >= c) then
        return a .. " " .. a*b .. " Lua"
    end

    return a .. " " .. a*b .. " Codewars"
end

return kata
```

- 4 years ago
- Refactor
- Discuss

6 kyu
Convert string to camel case

Ruby:

```
def to_camel_case(str)
  original = str.clone
  str = str.split("_").map do |i|
    i[0].upcase + i[1, i.length]
  end.join

  str = str.split("-").map do |i|
    i[0].upcase + i[1, i.length]
  end.join

  str = str[0].downcase + str[1, str.length] if original.match(/^[a-z]/) && str != ""
  str
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function toCamelCase(str){
   if (str.trim() == "") return "";
   let partes_string = str.split(/[-_]/);
   let resposta = "";
   for (let parte of partes_string) {
     resposta += parte[0].toUpperCase() + parte.substr(1);
   }

   if (str[0].toLowerCase() == str[0]) {
     resposta =  resposta[0].toLowerCase() + resposta.substr(1);
   }
```

```
  return resposta;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Count Odd Numbers below n

JavaScript:

```
function oddCount(n){
  return Math.ceil((n-1)/2);
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Sum The Strings

JavaScript:

```
function sumStr(a,b) {
  return String(Number(a) + Number(b))
}
```

- 5 years ago
- Refactor

```
function sumStr(a,b) {
  if (a.trim() == "") a = "0";
  if (b.trim() == "") b = "0";
  return String(parseInt(a) + parseInt(b));
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
get character from ASCII Value

Ruby:

```
def getChar(c)
  c.chr
end
```

- 4 years ago
- Refactor

JavaScript:

```
function getChar(c){
  let a = String.fromCharCode(c);
  return a;
}
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Beginner - Lost Without a Map

JavaScript:

```
function maps(x){
  let retorno = [];
  for (var i in x) {
    retorno[i] = x[i]*2;
  }
  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Remove duplication

JavaScript:

```
function removeDuplication(arr){
  arr = arr.sort();
  let retorno = [];
  let anterior = null;
  let posicaoExistente = null;
  for (let i of arr) {
    posicaoExistente = arr.indexOf(i);
    if (i !== anterior && i !== undefined) {
      retorno.push(i);
    } else {
      posicaoExistente = retorno.indexOf(i);
      if (posicaoExistente > -1) {
        retorno.splice(posicaoExistente, 1);
      }
    }
    anterior = i;
  }
  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Sum of integers in string

JavaScript:

```
function sumOfIntegersInString(s){
  let arrayNumeros = s.split(/[^0-9]+/);
  let total = 0;
  return arrayNumeros.reduce(function (total, atual) {
```

```
    atual = parseInt(atual);
    if (! isNaN(atual)) {
      return total = parseInt(total) + atual;
    }
    return total;
  }, 0);
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Potenciation

JavaScript:

```
function power(x,y){
  return x**y
}
```

- 5 years ago
- Refactor

```
function power(x,y){
  //SHOW ME WHAT YOU GOT!
  return x ** y
}
```

- 5 years ago
- Refactor

```
function power(x,y){
  if (x == 1 || y == 0) return 1;

  let cont = 1;
  let retorno=x*x;

  while (cont < y - 1) {
    retorno = retorno * x;
    cont++;
  }

  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Correct the time-string

Ruby:

```
def validar_formato(partes_tempo)
  i = 0
  return false unless partes_tempo.length == 3
  while(i < 3) do
    return false if partes_tempo[i].to_s.length != 2 or partes_tempo[i].match(/[0-9]{2}/) == nil
    i  = i+1
  end
  true
end

def time_correct(t)
  return t if t.nil? or t==""
  partes_tempo = t.split(":")
  return nil unless validar_formato(partes_tempo)
  segundos = partes_tempo[2].to_i % 60
  acrescimo_minutos = partes_tempo[2].to_i / 60
  minutos = (partes_tempo[1].to_i % 60) + acrescimo_minutos
  acrescimo_horas = partes_tempo[1].to_i / 60
  horas = (partes_tempo[0].to_i % 24) + acrescimo_horas

  horas.to_s.rjust(2,'0') + ":" + minutos.to_s.rjust(2,'0') + ":" + segundos.to_s.rjust(2,'0')
end
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Is it a vowel on this position?

JavaScript:

```
function checkVowel(string, position) {
  str = string.slice(position, 1).toLowerCase();
  console.log(str);
  return str == "a" || str == "e" || str == "i" || str == "o" || str == "u";
};
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Reversed sequence

JavaScript:

```
const reverseSeq = n => {
  let retorno = []
  while (n >= 1) {
    retorno.push(n);
    n--;
  }
  return retorno;
};
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function reverseSeq ($n) {
  $retorno = [];
  while ($n >= 1) {
    $retorno[] = $n;
    $n--;
  }
  return $retorno;
};
```

- 5 years ago
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- Discuss

Python:

```
def reverse_seq(n):
    retorno = []
    while n > 0:
        retorno.append(n)
        n = n - 1
    return retorno
```

- 4 years ago
- Refactor
- Discuss

```
def reverse_seq(n):
    a = n;
    r = [];
    r.append(n);
    i = n;

    while i > 1:
        i = a - 1;
        a = a - 1;
        r.append(i);
    return r;
```

- 4 years ago
- Refactor
- Discuss

8 kyu
Parse nice int from char problem

JavaScript:

```
function getAge(inputString){
  return parseInt(inputString.slice(0,1));
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Without the letter 'E'

JavaScript:

```
function findE(str){
  if (str === null) return null;
  if (str.trim() === "") return "";
  let totalMaiusculos = str.split("E").length - 1;
  let totalMinusculos = str.split("e").length - 1;
  let total = totalMaiusculos + totalMinusculos;
  if (total === 0) return 'There is no "e".';
  return String(total);
}
```

- 5 years ago
- Refactor

6 kyu
Does my number look big in this?

Ruby:

```
def narcissistic?( value )
  expoente = value.to_s.length
  total = 0
  value.to_s.split("").each do |c|
    total = total + (c.to_i) ** expoente
  end
  total == value
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function narcissistic( value ) {
  let valorString = String(value);
  let expoente = valorString.length;
  let soma = 0;
  for (i of valorString.split('')) {
    soma += Math.pow(i, expoente);
  }
  return parseInt(soma) == value;
}
```

- 5 years ago
- Refactor
- Discuss

5 kyu
Moving Zeros To The End

JavaScript:

```
var moveZeros = function (arr) {
  let inicioRetorno = [];
  let finalRetorno = []
  for (item of arr) {
    if (item === 0) {
      finalRetorno.push(item);
    } else {
      inicioRetorno.push(item);
    }
  }
  return inicioRetorno.concat(finalRetorno);
}
```

- 5 years ago
- Refactor
- Discuss

```
var moveZeros = function (arr) {
  let retorno = [];
  let itensFinal = []
  for (var item of arr) {
    if (item === 0) {
      itensFinal.push(item);
    } else {
      retorno.push(item);
    }
  }

  for (var item of itensFinal) {
    retorno.push(item);
  }

  return retorno;
}
```

- 6 years ago

- Refactor
- Discuss

6 kyu
What century is it?

JavaScript:

```
function whatCentury(year)
{
  let seculo = '';
  if (year % 100 == 0) {
    seculo = String(year).slice(0,2);
    seculo = seculo + obterOrdinalSeculo(seculo);
  } else {
    seculo = Number(String(year).slice(0,2)) + 1
    seculo = seculo + obterOrdinalSeculo(seculo);
  }

  return seculo;
}

function obterOrdinalSeculo(seculo) {
  seculo = String(seculo);

  if (seculo[1] == '1' && seculo[0] != '1') return 'st';
  if (seculo[1] == '2' && seculo[0] != '1') return 'nd';
  if (seculo[1] == '3' && seculo[0] != '1') return 'rd';
  return 'th';
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Jenny's secret message

JavaScript:

```
function greet(name){
  if(name === "Johnny")
    return "Hello, my love!";
  return "Hello, " + name + "!";
}
```

- 5 years ago
- Refactor

PHP:

```
function greet($name) {
    if ($name === 'Johnny') {
        return 'Hello, my love!';
    }
    return "Hello, $name!";
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Is this a triangle?

JavaScript:

```
function isTriangle(a,b,c)
{
  if (a + b > c && b + c > a && a + c > b) {
   return true;
 }
 return false
}
```

- 5 years ago
- Refactor

```
function isTriangle(a,b,c)
{
   if (a + b > c && a + c > b && b + c > a) {
     return true;
   }
   return false;
}
```

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- Discuss

Ruby:

```
def isTriangle(a,b,c)
   return true if (a+b>c and a+c>b and b+c>a)
   false
end
```

- 6 years ago
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- Discuss

Java:

```
class TriangleTester{
  public static boolean isTriangle(int a, int b, int c){
    if (a + b > c && a + c > b && c + b > a) {
      return true;
    }
    return false;
  }
}
```

- 6 years ago
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- Discuss

7 kyu
Thinkful - Object Drills: Vectors

JavaScript:

```
class Vector
{
  constructor(x, y)
  {
    this.x = x;
    this.y = y;
  }

  add(a) {
    return new Vector(a.x + this.x, a.y + this.y);
```

```
  }
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Circle area inside square

JavaScript:

```
function squareAreaToCircle(size){
  return (size/4 * Math.PI);
}
```

- 5 years ago
- Refactor

```
function squareAreaToCircle(size){
  return Math.PI * Math.pow(Math.sqrt(size) / 2, 2);
}
```

- 6 years ago
- Refactor
- Discuss

5 kyu
First non-repeating character

Ruby:

```
def  first_non_repeating_letter(s)
  return s if s.to_s == ""
  s.split("").each do |caracter|
    return caracter unless s.scan(/#{caracter}/i).length > 1
  end
  return ""
end
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function firstNonRepeatingLetter(s) {
  let sMinusculas = s.toLowerCase();
  let arrayLetras = s.split('')
  let letrasMinusculasJaVerificadas = [];

  for (let indiceLetra in arrayLetras) {
    let letraAtual = s[indiceLetra];
    let letraAtualMinuscula = s[indiceLetra].toLowerCase();
    if (sMinusculas.substr(parseInt(indiceLetra) + 1, sMinusculas.length).indexOf(letraAtualMinuscula) == -1 && letrasMinusculasJaVerificadas.indexOf(letraAtualMinuscula) == -1) {
      return letraAtual;
    }

    letrasMinusculasJaVerificadas.push(letraAtualMinuscula);
  }
  return '';
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Multiples of 3 or 5

JavaScript:

```
function solution(maximo) {

  let multiplos = [];

  for (var i=1; i<maximo ; i++) {
    if (i%3==0 || i%5==0) {
      multiplos.push(i);
    }
  }

  if (multiplos.length == 0) return 0;

  return multiplos.reduce(function(valorAnterior, valorAtual) {
    return valorAtual + valorAnterior;
  });
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Training JS #33: methods of Math---max() min() and abs()

JavaScript:

```
function maxMin(arr1,arr2){
  let comparisons = [];
  for (let i in arr1) {
    comparisons.push(Math.abs(arr1[i] - arr2[i]));
  }
  return [Math.max(...comparisons), Math.min(...comparisons)];
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Easy Time Convert

JavaScript:

```
function timeConvert(num) {
  if (num <=0) return "00:00";

  let seconds = Math.floor((num % 3600) % 60);
  let minutes = Math.floor((num / 60));

  return formattWith2Numbers(minutes) + ":" + formattWith2Numbers(seconds);
}

function formattWith2Numbers(num) {
  if (num < 10) return "0" + String(num);
  return String(num);
}
```

- 5 years ago
- Refactor

- Discuss

7 kyu
Alternate capitalization

JavaScript:

```
function capitalize(s){
  let ret1 = [];
  let ret2 = [];
  let i = 0;

  for (let q of s.split("")) {
    if (i % 2 ==1) {
      ret1.push(q.toLowerCase());
      ret2.push(q.toUpperCase());
    } else {
      ret2.push(q.toLowerCase());
      ret1.push(q.toUpperCase());
    }
    i++;
  }

  return [ret1.join(""), ret2.join("")]
};
```

- 5 years ago
- Refactor
- Discuss

5 kyu
Compare Number

JavaScript:

```
function compare(a,b){
  let float_a = parseFloat(a.replace(/^0+/, ""));
  let float_b = parseFloat(b.replace(/^0+/, ""));

  if (float_a > float_b) return "greater";
  if (float_a < float_b) return "less";

  if (a.length > 10 || b.length > 10) {
    return compararStringDigitoPorDigito(a, b);
  }
  return "equal";
}

function compararStringDigitoPorDigito(a, b) {
   let da = a.split("");
   let db = b.split("");

   for (let i in da) {
     let a_atual = da[da.length - i - 1];
     let b_atual = db[db.length - i - 1];
     if (a_atual > b_atual) {
       return "greater";
     } else if (a_atual < b_atual) {
       return "less";
     }
   }

   return "equal";
}
```

- 5 years ago
- Refactor
- Discuss

```
function compare(a,b){
        let float_a = parseFloat(a.replace(/^0+/, ""));
        let float_b = parseFloat(b.replace(/^0+/, ""));

  console.log(a);
  console.log(b);

  console.log(float_a);
  console.log(float_b);

  if (float_a > float_b) return "greater";
  if (float_a < float_b) return "less";

  if (a.length > 10 || b.length > 10) {
    return compararStringDigitoPorDigito(a, b);
  }
  return "equal";
}

function compararStringDigitoPorDigito(a, b) {
   let d = -1;
   let da = a.split("");
   let db = b.split("");

   for (let i in da) {
     let a_atual = da[da.length - i - 1];
     let b_atual = db[db.length - i - 1];
     if (a_atual > b_atual) {
       return "greater";
     } else if (a_atual < b_atual) {
       return "less";
     }
   }

   return "equal";
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Word values

JavaScript:

```
function wordValue(a) {
  let t = [];
  let r = [];
  let i = 0;
  for (let w of a) {
    console.log(w);
    r[i] = 0;
    for (let c of w.split("")) {
      let vc = c.charCodeAt(0);
      if (vc < 97 || vc > 122) continue;
      r[i] += vc - 96;
    }
    r[i] = r[i] * (i + 1);
    i++;
  }

  return r;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu

Array of twins

JavaScript:

```
function twins(myArray){
  let cont = {}

  for (let i of myArray) {
    if (cont[i] === undefined) cont[i] = 0;
    cont[i]++;
  }

  for (let i in cont) {
    if (cont[i] != 2) return false;
  }

  return true;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Count number of zeros from 1 to N

JavaScript:

```
function countZeros(n) {
  let ns;
  let c = 1;
  let total = 0;

  while (c <= n) {
    ns = String(c).split('');

    for (let i of ns) {
      if (i == '0') {
        total++;
      }
    }

    c++;
  }

  return total;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Start with a Vowel

JavaScript:

```
function vowelStart(str){
  str = str.toLowerCase();
  let ret = '';
  for (let c of str) {
    if (c == " " || c == "," || c == "-" || c == "!") continue;
    if (is_vowel(c)) {
      ret += ' ';
    }
    ret += c;
  }

  return ret.trim();
}

function is_vowel(letter) {
  letter = letter.toLowerCase();
  return letter == "a" || letter == "e" || letter == "i" || letter == "o" || letter == "u";
}
```

- 5 years ago
- Refactor

```
function vowelStart(str){
  str = str.toLowerCase();
  let ret = '';
  for (let c of str) {
    if (c == " " || c == "," || c == "-" || c == "!") continue;
    if (is_vowel(c)) {
      ret += ' ';
    }
    ret += c;
  }

  return ret.trim();
}

function is_vowel(letter) {
  letter = letter.toLowerCase();
  return letter == "a" || letter == "e" || letter == "i" || letter == "o" || letter == "u";
}
```

- 5 years ago
- Refactor
- Discuss

```
function vowelStart(str){
  str = str.toLowerCase();
  let ret = '';
  for (let c of str) {
    if (c == " " || c == "," || c == "-" || c == "!") continue;
    if (is_vowel(c) /*&& ret[ret.length - 1] != " "*/) {
      ret += ' ';
    }
    ret += c;
  }

  return ret.trim();
}

function is_vowel(letter) {
  letter = letter.toLowerCase();
  return letter == "a" || letter == "e" || letter == "i" || letter == "o" || letter == "u";
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Order of weight

JavaScript:

```
function arrange(arr){
  let pesos = [];
  for (let peso of arr) {
    if (peso.indexOf('KG') > -1) {
      pesos.push(parseInt(peso) * 1000);;
    } else if (peso.indexOf('T') > -1) {
      pesos.push(parseInt(peso) * 1000 * 1000);
    } else {
```

```
      pesos.push(parseInt(peso));
    }
  }

  pesos.sort((a, b) => a - b);

  return recolocarUnidades(pesos);
}

function recolocarUnidades(pesos) {
  let retorno = [];
  for (let peso of pesos) {
    if (peso / (1000 * 1000) >= 1) {
      peso = (peso / (1000*1000)) + "T";
    } else if (peso / 1000 >= 1) {
      peso = (peso / 1000) + "KG";
    } else {
      peso = peso + "G";
    }
    retorno.push(peso);
  }
  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Ch4113ng3

JavaScript:

```
function nerdify(txt){
   return txt.replace(/[aA]/g, "4").replace(/[eE]/g, "3").replace(/l/g, "1");
}
```

- 5 years ago
- Refactor
- Discuss

Retired
Use reduce() to calculate the sum of the values in an array

JavaScript:

```
function sum(array) {
  return array.reduce((sum, value) => sum + value);
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Longest vowel chain

JavaScript:

```
function solve(s){
  let maior = 0;
  for (let vogais of s.split(/[b-df-hj-np-tv-z]+/)) {
    let tamanhoAtual = parseInt(vogais.length);
    if (tamanhoAtual > maior) maior = tamanhoAtual;
  }
  return maior;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
To square(root) or not to square(root)

JavaScript:

```
function squareOrSquareRoot(array) {
  let retorno = [];
  for (let n of array){
    let resultado = Math.sqrt(n);
    if (resultado % 1 == 0) {
      retorno.push(resultado);
    } else {
      retorno.push (n * n);
    }
  }
  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

```
function squareOrSquareRoot(array) {
  array.forEach(function(valor, indice, arrayOriginal) {

      const raiz = Math.sqrt(valor);
      if (raiz % 1 == 0) {
        return arrayOriginal[indice] = raiz;
      }
      return arrayOriginal[indice] = Math.pow(valor, 2);
  });

  return array;

  //return array.map(Math.sqrt);
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Find the missing term in an Arithmetic Progression

JavaScript:

```
var findMissing = function (list) {
  let diferenca = list[1] - list[0];
  let diferenca_atual = 0;
  for (let i in list) {
     if (i == 0) continue;
     i_anterior = i - 1;
     diferenca_atual = list[i] - list[i - 1];

     if (diferenca_atual != diferenca) {
       return list[i] - diferenca;
     }
  }
}
```

- 5 years ago
- Refactor

- Discuss

7 kyu
Numbers in strings

JavaScript:

```
function solve(s){
    let strs = s.split(/[a-zA-Z]+/);
    for (var i in strs) {
      strs[i] = parseInt(strs[i]);
      if (isNaN(strs[i])) strs[i] = 0;

    }
    strs.sort(function (a, b) {  return a - b;  });
    return strs[strs.length - 1];

};
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Organise duplicate numbers in list

JavaScript:

```
function group(arr) {
  let retorno = [];
  let posicoes_itens = [];
  let posicao = null;

  for (let i of arr) {
    posicao = posicoes_itens.indexOf(i);
    if (posicao == -1) {
      posicoes_itens.push(i);
      posicao = posicoes_itens.indexOf(i);
    }

    if (! (retorno[posicao] instanceof Array)) {
      retorno[posicao] = [];
    }
    retorno[posicao].push(i);
  }

  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

```
function group(arr) {
  let indiceElementos = [];
  let retorno = [];
  let posicaoArray = null
  for (item of arr) {
    posicaoArray = indiceElementos.indexOf(item);
    if (posicaoArray == -1) {
      indiceElementos.push(item);
      retorno.push([item]);
    } else {
      retorno[posicaoArray].push(item);
    }
  }

  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Number Manipulation I (Easy)

JavaScript:

```
function manipulate(num) {
  let stringNum = String(num);
  let metade = Math.ceil(stringNum.length / 2);
  let desconto = 0;

  if (stringNum.length % 2 == 1) desconto = 1;

  return Number(stringNum.slice(0, metade - desconto) + "0".repeat(metade));

}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
!a == a ?!

JavaScript:

```
const a = [];
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Kushim the Accountant: Extract $ values from text

JavaScript:

```
function sumAccounts(text) {
  let ocorrencias = text.match(/[\-]?\$[0-9]+/g);
  let total = 0;

  for (let i of ocorrencias) {
    total += parseInt(i.replace("$",""));
  }

  return total;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Is integer safe to use?

JavaScript:

```
function SafeInteger(n) {
  return  Number.isSafeInteger(n);
```

```
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
What's the real floor?

JavaScript:

```
function getRealFloor(n) {
  if (n > 0) n--;
  if (n > 13) n--;
  return n;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Remove First and Last Character

JavaScript:

```
function removeChar(str){
 return str.slice(1, str.length - 1);

};
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Geometry Basics: Circle Area in 2D

JavaScript:

```
function circleArea(circle){
  return Math.PI * Math.pow(circle.radius, 2);
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Safen User Input Part I - htmlspecialchars

JavaScript:

```
function htmlspecialchars(formData) {
  return formData.replace(/\&/g, "&amp;").replace(/\</g, "&lt;").replace(/\>/g, "&gt;").replace(/\"/g,"&quot;");
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Is he gonna survive?

JavaScript:

```
function hero(bullets, dragons){
  console.log(bullets)
  console.log(dragons)
  return bullets / dragons >= 2;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Describe the shape

JavaScript:

```
function describeTheShape( angles ){
  if (angles <= 2) return "this will be a line segment or a dot";

  let d = Math.floor(((angles - 2) * 180) / angles);

  return `This shape has ${angles} sides and each angle measures ${d}`;
}
```

- 5 years ago
- Refactor
- Discuss

Retired
Summy

JavaScript:

```
function summy(stringOfInts){
  return stringOfInts.split(" ").reduce((a, b) => parseInt(a) + parseInt(b), 0);
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Love vs friendship

JavaScript:

```
function wordsToMarks(string){
  let total = 0;
  for (let c  = 0; c < string.length; c++) {
    total += string.charCodeAt(c) - 96;
  }

  return total;
}
```

- 5 years ago
- Refactor

- Discuss

7 kyu
Changing letters

JavaScript:

```
function swap(st){
  return st.replace(/[aeiou]/g, function(char) { return char.toUpperCase()});
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Point in a unit circle

JavaScript:

```
function pointInCircle(x,y){
  return Math.sqrt(Math.pow(x, 2) + Math.pow(y,2)) < 1;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
For Twins: 1. Types

JavaScript:

```
function typeValidation(variable, type) {
  return typeof variable === type
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Find the Integral

JavaScript:

```
function integrate(coefficient, exponent) {
  exponent++;
  return (coefficient/exponent) + "x^" + exponent;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Will there be enough space?

JavaScript:

```
function enough(cap, on, wait) {
  return on + wait > cap ? on + wait - cap : 0;
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
No Loops 2 - You only need one

JavaScript:

```
function check(a,x){
  return a.indexOf(x) > -1;
};
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Heads and Legs

JavaScript:

```
function animals(heads, legs){
  let chickens = 0;
  let cows = 0;

  cows = (legs - 2*heads) / 2;
  chickens = heads - cows;

  if (cows < 0 || cows % 1 !== 0) {
    return 'No solutions';
  }

  if (chickens < 0 || chickens % 1 !== 0) {
    return 'No solutions';
  }

  return[chickens, cows];
}
```

- 5 years ago
- Refactor
- Discuss

5 kyu
Simple Pig Latin

Ruby:

```
def pig_it text
  frase_final = ""
        text.split(" ").each do |palavra|
                if palavra.match /^[a-zA-Z]+$/
     frase_final = frase_final + palavra[1..palavra.length] + palavra[0] + "ay" + " "
    else
      frase_final = frase_final + palavra
    end
        end
        frase_final.strip
end
```

- 6 years ago

- Refactor
- Discuss

JavaScript:

```
function pigIt(str){
  let ret = "";
  for (part of str.split(" ")) {
    ret += part.slice(1, part.length) + part[0] + "ay "
  }

  return ret.slice(0, ret.length -  1);
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Get Nth Even Number

JavaScript:

```
function nthEven(n){
  return (n-1)*2;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #49: Decipher

JavaScript:

```
function decipher(cipher) {
  let retorno = '';
  let charCodeAtual = "";
  let numeroAtual = 0;
  for (let i = 0 ; i < cipher.length; i++) {
    charCodeAtual += String(cipher.slice(i, i+1));
    let charCodeAtualInteiro = parseInt(charCodeAtual);
    if (charCodeAtualInteiro > 50 && charCodeAtualInteiro< 130) {
      retorno += String.fromCharCode(charCodeAtual);
      charCodeAtual = "";
    }
  }
  return retorno;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #202: Min And Max

JavaScript:

```
function minAndMax(l, d, x) {
  let valoresQueBatem = [];
  for (let y = l; y<=d ; y++) {
    let somaCaracteres = 0;
    let arrayCaracteres = String(y).split("");

    for (let caracter of arrayCaracteres) {
      somaCaracteres += parseInt(caracter);
    }

    if (somaCaracteres == x) {
      valoresQueBatem.push(y);
    }
  }

  return [valoresQueBatem[0], valoresQueBatem[valoresQueBatem.length - 1]];
}
```

- 5 years ago
- Refactor
- Discuss

Retired
Get list sum recursively

JavaScript:

```
function sumR(x) {
  return x.reduce((a, b) => a+b, 0);
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Check if a triangle is an equable triangle!

JavaScript:

```
function equableTriangle(a,b,c) {
  let perimetro = a + b + c;
  let metade_perimetro = perimetro / 2;
  let area = Math.sqrt(metade_perimetro*(metade_perimetro - a)*(metade_perimetro - b)*(metade_perimetro - c));
  return area == perimetro;
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Coordinates Validator

JavaScript:

```
function isValidCoordinates(coordinates){
  let coordenadas = coordinates.split(",");
  if (coordenadas.length != 2) return false;
  if((/[a-zA-Z]+/).test(coordenadas[0])) return false;
  if((/[a-zA-Z]+/).test(coordenadas[1])) return false;
  if (parseFloat(coordenadas[0]) != coordenadas[0]) return false;
  if (parseFloat(coordenadas[1]) != coordenadas[1]) return false;
  coordenadas[0] = parseFloat(coordenadas[0]);
  coordenadas[1] = parseFloat(coordenadas[1]);
  if (isNaN(coordenadas[0]) || coordenadas[0] < -90 || coordenadas[0] > 90) return false;
  if (isNaN(coordenadas[1]) ||coordenadas[1] < -180 || coordenadas[1] > 180) return false;
  return true;
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Hard Time Bomb

JavaScript:

```
var wireCode = global.boom0 || global.boom1 || global.boom2 || global.boom3 || global.boom4 || global.boom5 || global.boom6 || global.boom7 || global.boom8 || global.boom9;
Bomb.CutTheWire(wireCode);
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Polish alphabet

JavaScript:

```
function correctPolishLetters (string) {
  return string
    .replace(/ą/g, 'a')
    .replace(/ć/g, 'c')
    .replace(/ę/g, 'e')
    .replace(/ł/g, 'l')
    .replace(/ń/g, 'n')
    .replace(/ó/g, 'o')
    .replace(/ś/g, 's')
    .replace(/ź/g, 'z')
    .replace(/ż/g, 'z');

}
```

- 5 years ago
- Refactor
- Discuss

Retired
Vowel Changer

JavaScript:

```
function vowelChange(str, vow) {
  return str.replace(/[aeiou]/g, vow);
}
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Calculate Price Excluding VAT

JavaScript:

```
//return price without vat
function excludingVatPrice(price){
  if (price == null) return -1;

  return parseFloat(parseFloat(price/1.15).toFixed(2));
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Sum of array singles

JavaScript:

```
function repeats(arr){
  let ja_ocorreram = [];
  let ainda_nao_ocorreram = [];
  for (i in arr) {
    if ((ja_ocorreram.indexOf(arr[i]) > -1) || arr.slice(parseInt(i)+ 1, arr.length).indexOf(arr[i]) > -1) {
      ja_ocorreram.push(arr[i]);
    } else {
      ainda_nao_ocorreram.push(arr[i]);
    }
  }

  return ainda_nao_ocorreram.reduce((a, b) => a + b, 0);
};
```

- 5 years ago
- Refactor
- Discuss

8 kyu
Counting sheep...

JavaScript:

```
function countSheeps(arrayOfSheep) {
  let soma = 0;
  for (let i of arrayOfSheep) {
    if (i) soma++;
  }
  return soma;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Compare Strings by Sum of Chars

JavaScript:

```
function compare(s1, s2) {
   let total_s1 = 0;
   let total_s2 = 0;
   let posicao_s1 = 0;
   let posicao_s2 = 0;

   if (typeof s1 == "string") {
     s1 = s1.toUpperCase();
     while(posicao_s1 < s1.length) {
       let valor_atual =  s1.charCodeAt(posicao_s1);
       if (valor_atual < 65 || valor_atual > 90) {
         total_s1 = 0;
         break;
       }
       total_s1 += valor_atual;
       posicao_s1++;
```

```
    }
  } else {
    total_s1 = 0;
  }

  if (typeof s2 == "string") {
    s2 = s2.toUpperCase();
    while(posicao_s2 < s2.length) {
      let valor_atual =  s1.charCodeAt(posicao_s1);
      if (valor_atual < 65 || valor_atual > 90) {
        total_s2 = 0;
        break;
      }
      total_s2 += s2.charCodeAt(posicao_s2);
      posicao_s2++;
    }
  } else {
    total_s2 = 0;
  }

  return total_s1 == total_s2;
}
```

- 5 years ago
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- Discuss

7 kyu
Difference between years. (Level 1)

JavaScript:

```
var howManyYears = function(date1, date2){
  let partes_data1 = date1.split('/');
  let ano1 = partes_data1[0];
  let partes_data2 = date2.split('/');
  let ano2 = partes_data2[0];
  return Math.abs(ano2 - ano1);
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Break camelCase

JavaScript:

```
// complete the function
function solution(string) {
  let retorno = '';
  for (let i = 0, len = string.length; i < len; i++) {
      if (string[i].charCodeAt(0) >= 65 && string[i].charCodeAt(0) <= 90) {
        retorno += " " + string[i];
      } else {
        retorno += string[i];
      }
  }

  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Sum The Tree

JavaScript:

```
// return the sum of all values in the tree, including the root
function sumTheTreeValues(root){
  let listaNos = [root];
  let soma = 0;
  while(listaNos.length > 0) {
     soma += listaNos[0].value;
     if (listaNos[0].left != null) {
       listaNos.push(listaNos[0].left);
     }
     if (listaNos[0].right != null) {
       listaNos.push(listaNos[0].right);
     }
     listaNos.shift();
  }
  return soma;
}
```

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- Discuss

6 kyu
Equal Sides Of An Array

Ruby:

```
def find_even_index(arr)
  arr.each_index  do |indice|
          esquerda = arr.slice(0,indice)
          soma_esquerda = esquerda.empty? ? 0 : esquerda.inject(:+)
          soma_direita = arr.slice(indice+1,arr.length).inject(:+)
          soma_direita = 0 if soma_direita.nil?
        puts soma_direita.inspect
        return indice if soma_direita == soma_esquerda
  end
  -1
end
```

- 6 years ago
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JavaScript:

```
function findEvenIndex(arr)
{
  console.log(arr);
  for (var i in arr) {
    i = parseInt(i);

    if (i == arr.length - 2) {
      break;
    }

    if (calcularSoma(arr.slice(0, i+1)) == calcularSoma(arr.slice(2+i))) {
      return i + 1;
    }
  }
  return -1;
}

function calcularSoma(array) {
  return array.reduce(function(valorAnterior, valorAtual) {
    return valorAnterior + valorAtual;
  });
```

```
}
```

- 5 years ago
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- Discuss

6 kyu
Find the missing letter

PHP:

```
function find_missing_letter(array $array): string {
  $letraEsperada = $array[0];
  foreach($array as $letra) {
    if ($letraEsperada != $letra) {
      return $letraEsperada;
    }
    $letraEsperada = chr(ord($letra) + 1);
  }
}
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function findMissingLetter(array)
{
  let ordCaracterAnterior = null;
  let ordCaracterAtual = null
  for (let caracterAtual of array) {
    ordCaracterAtual = caracterAtual.charCodeAt(0);
    if (ordCaracterAnterior != null && ordCaracterAtual > ordCaracterAnterior + 1) {
      return String.fromCharCode(ordCaracterAnterior + 1);
    }
    ordCaracterAnterior = ordCaracterAtual;
  }

  return null;

}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
You're a square!

JavaScript:

```
var isSquare = function(n){
  return (Math.sqrt(n) % 1 == 0);
}
```

- 5 years ago
- Refactor

```
var isSquare = function(n){
  if (Math.sqrt(n) % 1 == 0) return true;
  return false;; // fix me
}
```

- 5 years ago
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- Discuss

7 kyu
Basic Calculator

JavaScript:

```
function calculate(num1, operation, num2) {
  if (operation == "+") {
    return num1 + num2;
  } else if (operation == "-") {
    return num1 - num2;
  } else if (operation == "*") {
    let retorno =  num1 * num2;
    if (retorno == -0) retorno = 0;
    return retorno;
  } else if (operation == "/") {
    if (num2 == 0) return null;
    return num1 / num2;
  }
  return null;
}
```

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- Discuss

6 kyu
Lucky Sevens

JavaScript:

```
function luckySevens(arr) {
  let total = 0;
  for (let indiceLinha in arr) {
    let anterior = 0;
    let proximo = 0;
    let atual = 0;

    for (let indiceColuna in arr[indiceLinha]) {
      let arr1 = arr[indiceLinha];
      if (indiceColuna > 0) anterior = arr1[indiceColuna - 1];
      proximo = arr1[parseInt(indiceColuna) + 1];
      if (proximo == undefined) proximo = 0;
      atual = arr1[indiceColuna];

      let daLinhaAcima = 0;
      if (indiceLinha > 0) {
        daLinhaAcima = arr[indiceLinha - 1][indiceColuna];
      }
      let daLinhaAbaixo = 0;
      if (indiceLinha < arr.length - 1) {
        daLinhaAbaixo = arr[parseInt(indiceLinha) + 1][indiceColuna];
      }

      if (atual == 7) {
        if (Math.cbrt(anterior + proximo + daLinhaAcima + daLinhaAbaixo) % 1 == 0) {
          total++;
        }
      }
    }
  }
  return total;
}
```

- 5 years ago
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- Discuss

6 kyu
CamelCase Method

JavaScript:

```
String.prototype.camelCase=function(){
  let partes = this.split(" ");
  let retorno = [];
  for (parte of partes) {
    retorno.push(parte.substr(0, 1).toUpperCase() + parte.substr(1));
  }
  return retorno.join('');
}
```

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- Discuss

6 kyu
X marks the spot!

JavaScript:

```
function x(n) {
   let retorno = [];
   let x = 0;
   while (x < n) {
     let linha = [];
     for (let y = 0; y < n; y++) linha[y] = 0;
     linha[x] = 1;
     linha[linha.length - x - 1] = 1;
     retorno.push(linha);
     x++;
   }
   return retorno;
}
```

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7 kyu
Is n divisible by (...)?

JavaScript:

```
function isDivisible(){
  let numeroADividir = arguments['0'];
  for (let i in arguments) {
    if (i == '0') continue;
    if (numeroADividir % arguments[i] != 0) return false;
  }

  return true;
}
```

- 5 years ago
- Refactor

7 kyu
Alternate case

JavaScript:

```
function alternateCase(s) {
  let indiceCaracterAtual = 0;
  let retorno = '';
  while (indiceCaracterAtual < s.length) {
    let caracterAtual = s.slice(indiceCaracterAtual, indiceCaracterAtual + 1);
    let c = s.charCodeAt(indiceCaracterAtual);
    if (c >= 65 && c <= 90) {
      retorno += caracterAtual.toLowerCase();
    } else if (c >= 97 && c <= 122) {
      retorno += caracterAtual.toUpperCase();
    } else {
      retorno += caracterAtual;
    }
    indiceCaracterAtual++;
  }

  return retorno;
}
```

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- Discuss

```
function alternateCase(s) {
  let retorno = '';
  let charCodeAtual = null;
  for (let i=0; i<s.length; i++) {
    charCodeAtual = s.charCodeAt(i);
    if (charCodeAtual >=65 && charCodeAtual <=90) {
      retorno = retorno + s[i].toLowerCase();
    } else if (charCodeAtual >=97 && charCodeAtual <=122) {
      retorno = retorno + s[i].toUpperCase();
    } else {
      retorno = retorno + s[i];
    }


  }
  return retorno;
}
```

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- Discuss

4 kyu
Strip Comments

JavaScript:

```
function solution(input, markers){
  var linhas = input.split("\n");
  retorno = [];
  for (let linha of linhas) {
    linha = linha.split(/[\#\!\$]/);
    retorno.push(linha[0].trim()+"\n");
  }
 retorno = retorno.join('');
 return retorno.substr(0,retorno.length-1);
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Lowercase strings in array

JavaScript:

```
function arrayLowerCase(arr) {
  retorno = [];
  for (var item of arr) {
    if (typeof item == "string") {
      item = item.toLowerCase();
    }
    retorno.push(item);
  }
  return retorno;
  // return array of strings in lowercase
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
IP Validation

PHP:

```
function isValidIP(string $str): bool
{
    $matches = array();
    preg_match('/^(\d{1,3})\.(\d{1,3})\.(\d{1,3})\.(\d{1,3})\z/', $str, $matches);

    if (! is_array($matches) || count($matches) != 5) {
      return false;
    }

    for ($i = 1; $i <= 4; $i++) {
      $matches[$i] = (int) $matches[$i];
      if ($matches[$i] < 0 || $matches[$i] > 255) {
        return false;
      }
    }

    return true;
}
```

- 6 years ago
- Refactor
- Discuss

5 kyu
Resistor Color Codes, Part 2

JavaScript:

```
function encodeResistorColors(ohmsString) {
   let valorString = String(parseFloat(ohmsString)).replace(/\./, '');
   let existiaPonto = ohmsString.indexOf('.') > -1 ? true : false;
   let comprimentoValor = String(parseInt(ohmsString)).length;
   let primeiraCasa = obterTextoCor(valorString[0]);
   let segundaCasa;
   if (comprimentoValor > 1 || existiaPonto) {
     segundaCasa = obterTextoCor(valorString[1]);
   } else {
     segundaCasa = obterTextoCor(0);
   }
   let terceiraCasa = '';

   if (ohmsString.indexOf("M") > -1) {
     terceiraCasa = obterTextoCor(comprimentoValor + 4);
   } else if (ohmsString.indexOf("k") > -1) {
     terceiraCasa = obterTextoCor(comprimentoValor + 1);
   } else {
     terceiraCasa = obterTextoCor(comprimentoValor - 2);
   }

   return `${primeiraCasa} ${segundaCasa} ${terceiraCasa} gold`;
}

function obterTextoCor(numero) {
  let relacao = ['black', 'brown', 'red', 'orange', 'yellow', 'green', 'blue', 'violet', 'gray', 'white'];

  return relacao[numero];
}
```

- 5 years ago
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- Discuss

Ruby:

```
def encode_resistor_colors(ohms_string)
   valor_string = String(ohms_string.to_f).sub(/\./, "")
   puts valor_string
   existia_ponto = ohms_string.index('.').nil? ? false : true;
   comprimento_valor = String(ohms_string.to_i).length
   primeira_casa = obter_texto_cor(valor_string[0]);

   if (comprimento_valor > 1 || existia_ponto) then
     segunda_casa = obter_texto_cor(valor_string[1]);
   else
     segunda_casa = obter_texto_cor(0);
   end

   if (ohms_string.index("M").nil? === false) then
     terceira_casa = obter_texto_cor(comprimento_valor + 4)
   elsif (ohms_string.index("k").nil? === false) then
     terceira_casa = obter_texto_cor(comprimento_valor + 1)
   else
     terceira_casa = obter_texto_cor(comprimento_valor - 2)
   end

   "#{primeira_casa} #{segunda_casa} #{terceira_casa} gold"
end


def obter_texto_cor(numero)
  ['black', 'brown', 'red', 'orange', 'yellow', 'green', 'blue', 'violet', 'gray', 'white'][numero.to_i]
end
```

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- Discuss

7 kyu
Simple Fun #262: Case Unification

JavaScript:

```
function caseUnification(s) {
  let indiceCaracterAtual = 0;
  let totalMaiusculas = 0;
  let totalMinusculas = 0;

  while (indiceCaracterAtual < s.length) {
    let codigoAsciiCaracterAtual = s.charCodeAt(indiceCaracterAtual);
    if (codigoAsciiCaracterAtual >= 65 && codigoAsciiCaracterAtual <= 90) {
      totalMaiusculas++;
    } else if (codigoAsciiCaracterAtual >= 97 && codigoAsciiCaracterAtual <= 122) {
      totalMinusculas++;
    }
    indiceCaracterAtual++;
  }
```

```
  if (totalMaiusculas > totalMinusculas) {
    return s.toUpperCase();
  }
  return s.toLowerCase();
}
```

- 5 years ago
- Refactor
- Discuss

6 kyu
Return 1, 2, 3 randomly

JavaScript:

```
function one_two_three() {
  while (true) {
    let rodada1 = one_two();
    let rodada2 = one_two();

    if (rodada1 == 1 && rodada2 == 1) return 1;
    if (rodada1 == 1 && rodada2 == 2) return 2;
    if (rodada1 == 2 && rodada2 == 1) return 3;
  }
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #182: Happy "g"

JavaScript:

```
function gHappy(str) {
  return str.replace(/g{2,}/g, '').indexOf('g') == -1;


}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
altERnaTIng cAsE <=> ALTerNAtiNG CaSe

JavaScript:

```
String.prototype.toAlternatingCase = function () {
  let retorno = '';
  for (let i = 0 ; i < this.length ; i++) {
    let ascii = this.charCodeAt(i);
    if (ascii >=65 && ascii <=90) {
      retorno += this[i].toLowerCase();
    } else {
      retorno += this[i].toUpperCase();
    }
  }

  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Find the first non-consecutive number

JavaScript:

```
function firstNonConsecutive (arr) {
  let anterior = null;
  for (let i of arr) {
    if (anterior != null && i - 1 != anterior) {
      return i;
    }
    anterior = i;
  }
  return null;
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Simple Fun #221: Furthest Distance Of Same Letter

JavaScript:

```
function distSameLetter(s) {
  let posicoesIniciais = {}
  let maiorDistancia = 0;
  let letraMaiorDistancia = '';
  for (let posicao in s) {
    let letra = s[posicao];
    if (posicoesIniciais[letra] == undefined) {
      posicoesIniciais[letra] = posicao;
    } else if (posicao - posicoesIniciais[letra] + 1 > maiorDistancia) {
      letraMaiorDistancia = letra;
      maiorDistancia = posicao - posicoesIniciais[letra] + 1;
    }
  }

  return letraMaiorDistancia + maiorDistancia;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #204: Smallest Integer

Ruby:

```
def smallest_integer(matrix)
   matrix_flatten = matrix.flatten.sort!
   return 0 if matrix_flatten[-1] < 0
   numero_atual = nil
   (0 .. matrix_flatten[-1]).each do |n|
     numero_atual =  n
     return n unless matrix_flatten.include? n
   end
   numero_atual + 1
end
```

- 6 years ago

- Refactor
- Discuss

7 kyu
Flatten and sort an array

Ruby:

```
def flatten_and_sort(array)
  array.flatten.sort
end
```

- 6 years ago
- Refactor
- Discuss

5 kyu
A Chain adding function

JavaScript:

```
function add (valor) {
  var funcaoAuxiliar = function(v) {
    return add(valor + v);
  }
  funcaoAuxiliar.valueOf = function() {
    return valor;
  }
  return funcaoAuxiliar;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #6: Is Infinite Process?

JavaScript:

```
function isInfiniteProcess(a, b) {
  if ((a >b) ||  (a + b) % 2 == 1) return true;

  return false;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
All unique

JavaScript:

```
function hasUniqueChars(str){
  let caracteresAnteriores = []
  for (caracter of str.split('')) {
    if (caracteresAnteriores.indexOf(caracter) > -1) return false;
    caracteresAnteriores.push(caracter);
  }

  return true;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #17: Rounders

JavaScript:

```
function rounders(value) {
  let retorno = '';
  let valorAIterar = String(value).split('').reverse();
  let acrescentarAoProximo = 0;
  for (let i in valorAIterar) {
    let atual = parseInt(valorAIterar[i]) + acrescentarAoProximo;
    if (atual >=5)  {
      acrescentarAoProximo = 1;
    } else {
      acrescentarAoProximo = 0;
    }

    if (i < String(value).length - 1) atual = '0';

    retorno = String(atual) + retorno;
  }

  return parseInt(retorno);
}
```

- 6 years ago
- Refactor
- Discuss

5 kyu
Directions Reduction

Ruby:

```
def dirReduc(arr)
  opostos = {'NORTH' => 'SOUTH', 'SOUTH' => 'NORTH', 'EAST' => 'WEST', 'WEST' => 'EAST'}
  reducao = []
  arr.each_with_index do |elemento, indice|
    if opostos[elemento] == reducao.last
      reducao.pop
    else
      reducao.push elemento
    end
  end
  reducao
end
```

- 6 years ago
- Refactor
- Discuss

5 kyu
Valid Parentheses

Ruby:

```
def valid_parentheses(string)
  total_aberturas = 0
  string.split('').each  do |caracter|
    if caracter == ")"
```

```
      return false if total_aberturas == 0
      total_aberturas = total_aberturas - 1
    elsif  caracter == "("
      total_aberturas = total_aberturas + 1
    end
  end
 total_aberturas == 0
end
```

- 6 years ago
- Refactor
- Discuss

```
def valid_parentheses(string)
  retorno = true
  total_parenteses_abertura = 0
  total_parenteses_fechamento = 0
  string.each_char do |char|
    if char == "("
      total_parenteses_abertura = total_parenteses_abertura + 1
    elsif char == ")"
      return false if total_parenteses_abertura == 0
      total_parenteses_abertura = total_parenteses_abertura - 1
    end
  end
  total_parenteses_abertura == 0
end
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Two Oldest Ages

Ruby:

```
# return the two oldest/oldest ages within the array of ages passed in.
def two_oldest_ages(ages)
  maior = 0
  segundo_maior = 0
  ages.each do |age|
    if age > maior
      segundo_maior = maior
      maior = age
    elsif age > segundo_maior
      segundo_maior = age
    end
  end
  [segundo_maior, maior]
end
```

- 6 years ago
- Refactor
- Discuss

5 kyu
The Hashtag Generator

JavaScript:

```
function generateHashtag (str) {
  let retorno = '';
  for (let palavra of str.split(" ")) {
          retorno = retorno + palavra.charAt(0).toUpperCase() + palavra.slice(1);
  }

  if (retorno == '') return false;

  retorno = "#" + retorno;

  if (retorno.length > 140) return false;

  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def generateHashtag str
  retorno = (str.gsub /\ +/, ' ').split(" ").map {|palavra| palavra.capitalize}.join("")

  return false if retorno.length >=139 or retorno == "";
  "#" + retorno;
end
```

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PHP:

```
function generateHashtag($str) {
  $stringReturn = '';

  // Changing 2+ spaces by a unique space
  $str = preg_replace("/\s+/", " ", $str);

  foreach (explode(' ', $str) as $word) {
        $stringReturn = $stringReturn . ucfirst($word);
  }

  if (strlen($stringReturn) >=139 || empty($stringReturn)) return false;

  return "#" . $stringReturn;
}
```

- 5 years ago
- Refactor
- Discuss

```
function generateHashtag($str) {
  $stringReturn = '';

  // Changing 2+ spaces by a unique space
  $str = preg_replace("/\s+/", " ", $str);

  foreach (explode(' ', $str) as $word) {
        $stringReturn = $stringReturn . ucfirst($word);
  }

  if (strlen($stringReturn) >139 || empty($stringReturn)) return false;

  return "#" . $stringReturn;
}
```

- 5 years ago
- Refactor
- Discuss

7 kyu
Number of People in the Bus

JavaScript:

```
var number = function(busStops){
  retorno = 0;
  for (let movimentacoes of busStops) {
    retorno = retorno + movimentacoes[0] - movimentacoes[1];
  }

  if (retorno < 0) retorno = 0;
  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Remove exclamation marks

JavaScript:

```
function removeExclamationMarks(s) {
  return s.split('!').join('');
}
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function remove_exclamation_marks($string) {
  return str_replace('!', '', $string);
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #137: S2N

JavaScript:

```
function S2N(m, n) {
  let soma = 0;
  let baseAtual = 0;
  let expoenteAtual = 0;

  while (baseAtual <= m) {
    expoenteAtual = 0;
    while (expoenteAtual <= n) {
      soma += Math.pow(baseAtual, expoenteAtual);
      expoenteAtual++;
    }
    baseAtual++;
  }

  return soma;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Volume of a Cuboid

JavaScript:

```
var Kata;

Kata = (function() {
  function Kata() {}

  Kata.getVolumeOfCuboid = function(length, width, height) {
    return length * width * height;
  };

  return Kata;

})();
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
$kata = new class {
  public function get_volume_of_cuboid($length, $width, $height) {
    return $length *  $width *  $height;
  }
};
```

- 6 years ago
- Refactor
- Discuss

Java:

```
public class Kata {

  public static double getVolumeOfCuboid(final double length, final double width, final double height) {
    // Your code here
    return length * width * height;
  }

}
```

- 6 years ago
- Refactor
- Discuss

Python:

```
def getVolumeOfCubiod(length, width, height):
    return length *  width *  height
```

- 6 years ago
- Refactor
- Discuss

Ruby:

```
def get_volume_of_cuboid(length, width, height)
  length * width * height
end
```

- 6 years ago
- Refactor
- Discuss

C:

```
double getVolumeOfCubiod(double length, double width, double height) {
  return length * width * height;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Cut array into smaller parts

PHP:

```
function makeParts($arr,$chunkSize){
  return array_chunk($arr, $chunkSize);
}
```

- 6 years ago
- Refactor
- Discuss

JavaScript:

```
function makeParts(arr, chunkSize) {
  retorno = [];
  while (arr.length > 0) {
    retorno.push(arr.splice(0, chunkSize));
  }

  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #181: Rounding

JavaScript:

```
function rounding(n, m) {
  let numeroAbaixo = Math.floor(n/m) * m;
  let numeroAcima = Math.ceil(n/m) * m;
  console.log(numeroAbaixo);
  console.log(numeroAcima);

   if (n == (numeroAcima + numeroAbaixo) / 2) return n;
  return n - numeroAbaixo < numeroAcima - n ? numeroAbaixo : numeroAcima;
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
The maximum and minimum difference -- Simple version

JavaScript:

```
function maxAndMin(arr1,arr2){
  let maiorDiferenca = 0;
  let menorDiferenca = 99999999999999999999;
  let diferenca = 0;

  for (elementoArray1 of arr1) {
    for (elementoArray2 of arr2) {
     diferenca = Math.abs(elementoArray1 - elementoArray2);
     if (diferenca > maiorDiferenca) maiorDiferenca = diferenca;
     if (diferenca < menorDiferenca) menorDiferenca = diferenca;
    }
  }

  return [maiorDiferenca, menorDiferenca];
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Simple Fun #13: Magical Well

JavaScript:

```
function magicalWell(a, b, n) {
  let retorno = 0;
  while (n > 0) {
    retorno = retorno + a * b;
    a++;
    b++;
    n--;
  }
  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function magical_well($a, $b, $n) {
  $retorno = 0;
  while ($n > 0) {
    $retorno = $retorno + $a * $b;
    $n--;
    $a++;
    $b++;
  }

  return $retorno;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Keep Hydrated!

JavaScript:

```
function litres(time) {
  return Math.floor(0.5*time);
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Character limits: How long is your piece of string?

JavaScript:

```
function charCheck(text, max, spaces){
  if (! spaces) {
    text = text.replace(/\s/g,'');
  }

  let estourouLimite = false;
  if (text.length > max) {
    estourouLimite = true;
  }

  return [!estourouLimite, text.substr(0, max)];
};
```

- 6 years ago
- Refactor
- Discuss

```
function charCheck(text, max, spaces){
  //Do your magic here!
  if (! spaces) {
    text = text.split(' ').join('');
  }

  let booleanoTamanho = text.length <= max;

  return [booleanoTamanho, text.substr(0, max)];
};
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Replace all items

JavaScript:

```
function replaceAll(seq, find, replace) {
console.log(typeof seq);
console.log(seq);
console.log(find);
console.log(replace);

  if (Array.isArray(seq)) {
    seq.forEach(function(item, i) {
      if (item == find) {
        seq[i] = replace;
      }
    });
  } else if (typeof seq == "string") {
    return seq.split(find).join(replace);
  }
 return seq;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Are they square?

JavaScript:

```
var isSquare = function(arr){
  console.log(arr);
  if ((! Array.isArray(arr)) || arr.length == 0) {
    return undefined;
  }
  return arr.every(item => Math.sqrt(item) == Math.floor(Math.sqrt(item)))
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Are they the "same"?

JavaScript:

```
function comp(array1, array2){
  if(array1 == null || array2 == null) {
    return false;
  }

  for (let item of array2) {
    let posicaoNoArray1 = array1.indexOf(Math.sqrt(item));
    if (posicaoNoArray1 == -1) {
      return false;
    }

    array1.splice(posicaoNoArray1, 1);
  }
  return true;
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Find The Parity Outlier

PHP:

```
function find($integers) {
  $pares = [];
  $impares = [];
  foreach($integers as $numero) {
    if ($numero % 2 == 0) {
      $pares[] = $numero;
    } else {
      $impares[] = $numero;
    }
  }

  if (count($pares) == 1) {
    return $pares[0];
  } elseif (count($impares) == 1) {
    return $impares[0];
```

```
  }

  throw new \InvalidArgumentException('Existe mais de 1 par e mais de 1 ímpar');

}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Remove the minimum

JavaScript:

```
function removeSmallest(numbers) {
  var retorno = numbers;
  retorno.splice(retorno.indexOf(Math.min(...numbers)),1);
  return retorno;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Remove String Spaces

Ruby:

```
def no_space(x)
  x.gsub(/\s/,"")
end
```

- 6 years ago
- Refactor

Python:

```
def no_space(x):
    return x.replace(" ", "")
```

- 6 years ago
- Refactor
- Discuss

Retired
Count the Characters

PHP:

```
function count_char(string $s, string $c): int {

  // Your mission, should you choose to accept it.
  $c = strtolower($c);
  $s = strtolower($s);
  $total = 0;
  for ($i = 0; $i < strlen($s); $i++) {
    if ($s[$i] == $c) {
      $total++;
    }
  }
  return $total;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Jaden Casing Strings

PHP:

```
function toJadenCase($string)
{
   $partes = explode(' ', $string);

   foreach($partes as $indice => $parte) {
     $partes[$indice] = ucfirst($parte);
   }

   return implode($partes, ' ');
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Two to One

PHP:

```
function longest($a, $b) {
  $string = $a . $b;
  return extrairCaracteresUnicos($string);
}

function extrairCaracteresUnicos($string) {
    $caracteresUnicos = array();
    for ($i = 0 ; $i < strlen($string);  $i++) {
      if (false === array_search($string[$i], $caracteresUnicos)) {
        $caracteresUnicos[] =  $string[$i];
      }
    }
    sort($caracteresUnicos);

    return implode($caracteresUnicos, '');
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Get the Middle Character

JavaScript:

```
function getMiddle(s)
{
  var posicaoCaracteresMeio = null;
  posicaoMeio = Math.floor(s.length / 2) - 1;

  if (s.length & 1 == 1) {
    return s.substring(posicaoMeio + 1, posicaoMeio +2);
  }
  return s.substring(posicaoMeio, posicaoMeio +2);
}
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Is a number prime?

Ruby:

```
# Test if number is prime
def isPrime(num)
  num = num.to_i
  return false unless num > 1
  divisor = num / 2
  while divisor >=2
    return false if num / divisor == num.to_f / divisor
    divisor = divisor - 1
  end
  true
end
```

- 6 years ago
- Refactor
- Discuss

7 kyu
#~For Kids~# d/m/Y -> Day of the week.

Ruby:

```
require 'date'

def dayOfTheWeek(date)
  DateTime.parse(date).strftime('%A')
end
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Sum of two lowest positive integers

Ruby:

```
def sum_two_smallest_numbers(numbers)
  numbers.sort!
  numbers[0] + numbers[1]
end
```

- 6 years ago
- Refactor
- Discuss

5 kyu
What's a Perfect Power anyway?

Ruby:

```
def isPP(numero)
  base = 2
  expoente = 2
  pares = []

  while base ** expoente <= numero do
    while base ** expoente <= numero do
      resultado = base ** expoente
      pares.push(base, expoente) if resultado == numero
      base = base + 1
    end

    base = 2
    expoente = expoente + 1
  end

  pares = nil if pares.empty?
  return pares
end
```

- 6 years ago
- Refactor
- Discuss

6 kyu
Split Strings

Ruby:

```
def solution(str)
  i = 0
  array_final = []
  while i < (str.length.to_i + 1)/2 do
    resultado =  str.slice(i*2, 2)
    resultado = resultado + "_" if resultado.length.to_i < 2
    array_final.push(resultado)
    i = i + 1
  end
  array_final
end
```

- 6 years ago
- Refactor
- Discuss

```
def solution(str)
  i = 0
  array_final = []
  puts str
  while i < (str.length.to_i + 1)/2 do
    resultado =  str.slice(i*2, 2)
    resultado = resultado + "_" if resultado.length.to_i < 2
    array_final.push(resultado)
    i = i + 1
  end
  puts array_final.inspect
  array_final
end
```

- 6 years ago
- Refactor

7 kyu
Friend or Foe?

Ruby:

```
def friend(friends)
  friends.map{|nome|nome if nome.length==4}.compact
end
```

- 6 years ago

- Refactor
- Discuss

6 kyu
Bit Counting

Ruby:

```
def count_bits(n)
   total = 0
   ("%b" % n).each_char {|i| total = total + i.to_i}
   total
end
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Mumbling

Ruby:

```
def accum(s)
        i=-1
  texto = s.chars.map do |item|
    i = i+1
    item.upcase + item.downcase * i + "-"
  end.join
  texto[0, texto.length - 1]
end
```

- 6 years ago
- Refactor

Retired
Circles intersection

JavaScript:

```
function circles_interects(circle1, circle2) {
  let distance = Math.sqrt(Math.abs(circle1.center.x - circle2.center.x) +  Math.abs(circle1.center.y - circle2.center.y)) ;
  return (circle1.radius + circle2.radius) > distance;
}
```

- 5 years ago
- Refactor
- Discuss

Retired
Number of diagonals

PHP:

```
function diagonals($sides) {
    return $sides * ($sides -3) / 2;
}
```

- 4 years ago
- Refactor
- Discuss

Retired
Sum of itens major than 3

Ruby:

```
def sum items
    t = 0
    items.each do |i|
        t += i if i > 3
    end
    t
end
```

- 3 years ago
- Refactor
- Discuss

Retired
Max number

Ruby:

```
def max(items)
    r = 0

    for i in items do
        if i > r
            r = i
        end
    end

    r
end
```

- 3 years ago
- Refactor
- Discuss

Retired
Number of vowels

Ruby:

```
def vowels arg
    total = 0
    arg.downcase!

    arg.each_char do |c|
        if c == "a" or c == 'e' or c == "i" or c == "o" or c == "u"
            total = total + 1
        end
    end

    total
end
```

- 3 years ago
- Refactor
- Discuss

Retired
Alphabet order

Ruby:

```
def order s1, s2
  return s1.downcase() < s2.downcase() ? 1 : 2
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Sum of items major than 3

Ruby:

```
def sum_3 arr
  sum = 0
  arr.each do | item |
    sum = sum + item if item > 3
  end
  sum
end
```

- 2 years ago
- Refactor
- Discuss

Draft
andreapt82's Kumite #67

JavaScript:

```
function sum(items) {
  let sum = 0;

  for (const item of items) {
    sum = sum + (item.unitary_price * item.quantity);
  }

  return sum;
}
```

- 2 years ago
- Refactor
- Discuss

Retired
Sum of all items is 10

Ruby:

```
def sum arr
  arr.each {|i|
    return false if i.reduce(:+) != 10
  }

  true
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Pie in the face

Ruby:

```
def game data
  if data[0] < data[1]
    return data[2] ? 1 : 2
  else
    return data[2] ? 2 : 1
  end
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Minor items

Ruby:

```
def minor arr, limit
  ret = []
  arr.each{|i|
    ret.push(i) if i < limit
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Expression with square brackets

Ruby:

```
def solve expression
  return eval(expression.gsub("[", "(").gsub("]",")"))
end
```

- 2 years ago
- Refactor
- Discuss

Retired
Sum of faces of dice you can see

Ruby:

```
def sum face
  21 - face
end
```

- 2 years ago
- Refactor
- Discuss

Retired
A great number in a list

PHP:

```
function hasBigNumber($numbers) {
    $sum = array_sum($numbers);

    foreach ($numbers as $number) {
         if ($sum - $number < $number) {
              return true;
         }
    }
    return false;
}
```

- 17 months ago
- Refactor
- Discuss

Retired
Is the calculation true?

Ruby:

```
def calculate a, operation, b, result
  return ((eval "#{a} #{operation} #{b}").to_i == result)
end
```

- 17 months ago
- Refactor
- Discuss

Retired
Second degree

JavaScript:

```
function segundoGrau(a, b, c) {
    const delta = b*b - 4*a*c;
    if (delta < 0) {
        return null;
    }

    const root1 = (-b + Math.sqrt(delta)) /(4 * a);

    if (delta == 0) {
        return [root1];
    }

    const root2 = (-b - Math.sqrt(delta)) /(4 * a);

    return [root1, root2];
}
```

- 16 months ago
- Refactor
- Discuss

Retired
Sum of two items is other item

Ruby:

```
def sum items
  items.each_with_index { |item1, index1|
    items.each_with_index { |item2, index2|
      if index1 == index2
        next
      end
      return true if items.include? item1 + item2
    }
  }
  false
end
```

- 15 months ago
- Refactor
- Discuss