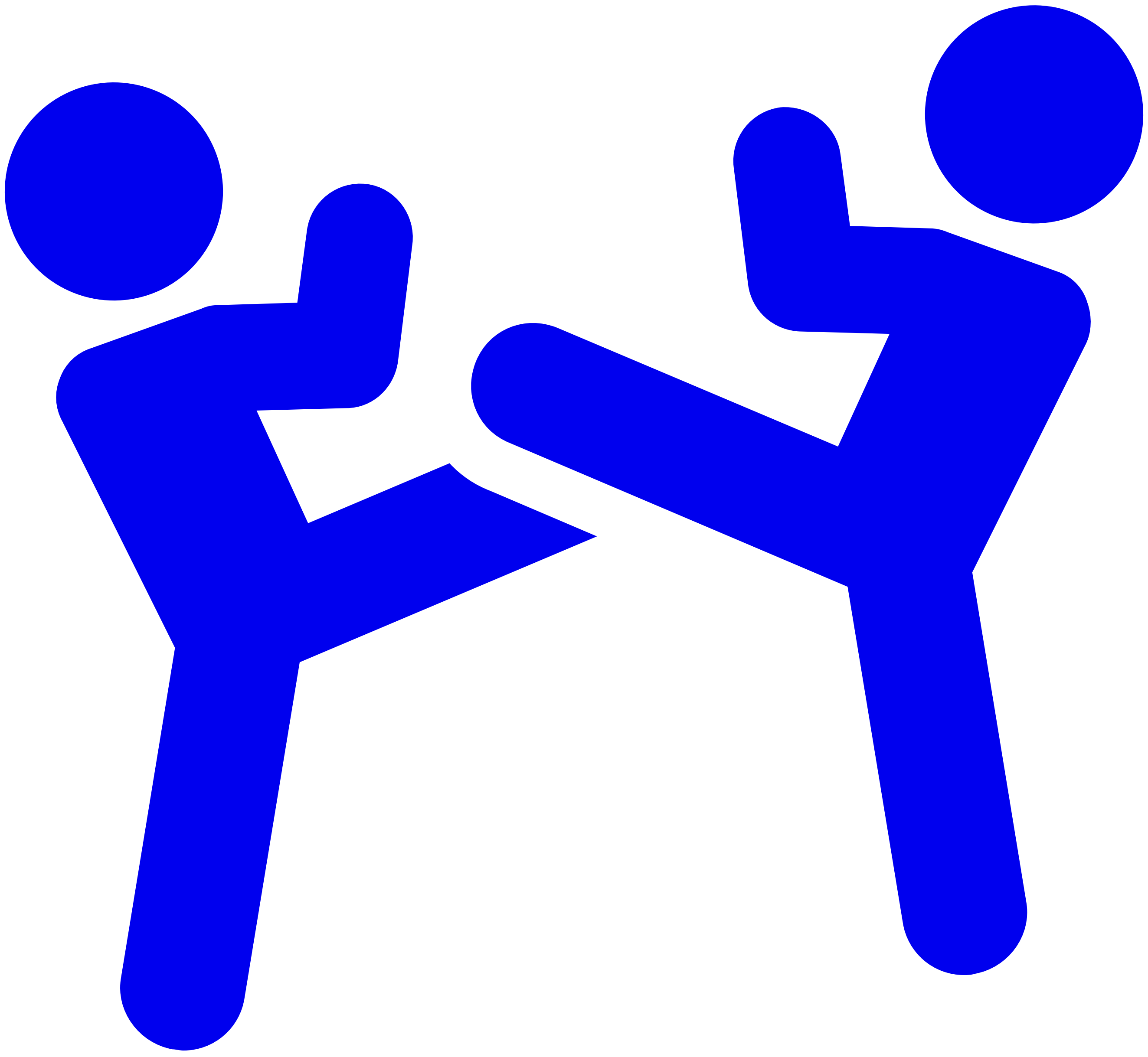
-

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

-
  - 7 kyu

    Histogram - H1
  - 6 kyu

    Numericals of a String
  - 7 kyu

    Speed Limit
  - 7 kyu

    Array Array Array
  - 7 kyu

    Mysterious Singularity Numbers
  - 6 kyu

    Backwards Read Primes
-
  - You do not have any notifications
-
  - 6 kyu

eros than Ones

kyu

3 kyu Hex Word Sum
3,591

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

7 kyu
What dominates your array?

7 kyu

e Capitals

Beta

3 kyu andreapt82 3,591 3 kyu andreapt82 3,591

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

7 kyu
Is There an Odd Bit?

6 kyu
Points On A Line

Following:578
Followers:555
Allies:553
View Profile Badges

7 kyu
Find the Combination

Earn extra honor and gain new allies!

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

7 kyu
Merge overlapping strings

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

7 kyu
Your Referrals:
Find the nth occurrence of a word in a string!

edu_ktemail un-confirmed

Learn in Public: The community-based learning strategy that improves programming skills
'Learn in Public'. Growth hack your learning by stepping out into the public.

Beta
Check my Sum

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

7 kyu
2-Sum Sums

- Completed (831)
- Unfinished
- Obsolete

7 kyu
Sum and Multiply

7 kyu
Alternate Square Sum

7 kyu
Tower Bouncing

JavaScript:

```
function alternateSqSum(arr){
  let ret = 0;
  for (let i in arr) {
    if (i % 2 == 0) {
      ret = ret + arr[i];
    } else {
      ret = ret + (arr[i] * arr[i]);
    }
  }
  return ret;
}
```

7 kyu
Odd Not Prime

5 kyu
Find the unique string

- 2 days ago
- Refactor
- Discuss

7 kyu
Between Extremes

7 kyu
regex validation of 24 hours time.

Ruby:

```
def between_extremes(numbers)
  numbers.sort!
  numbers[-1] - numbers[0]
end
```

6 kyu
Count the days!

- 3 days ago
- Refactor
- Discuss

Beta
Approximate a number as fraction

7 kyu
Say hello!

Ruby:

4 kyu

```
def greet(name)
  return nil if name.nil? or name.empty?
  return "hello #{name}!"
end
```

- 6 days ago
- Refactor
- Discuss

7 kyu
Decreasing Inputs

Ruby:

```
def add(*args)
  sum = 0.0
  args.each_with_index {|arg, index|
    sum = sum + (arg/(index+1.0))
  }
  sum.round
end
```

- 7 days ago
- Refactor
- Discuss

7 kyu
Speed Limit

Python:

```
def speed_limit(speed, signals):
    total = 0

    for limit in signals:
        if speed >= limit + 30:
            total = total + 500
        elif speed >= limit + 20:
            total = total + 250
        elif speed >= limit + 10:
            total = total + 100

    return total
```

- 15 days ago
- Refactor
- Discuss

Retired
bruh

Python:

```
def newmax(arr):
    return max(arr)

def newmin(arr):
    return min(arr)

def newmean(arr):
    return int(sum(arr) / len(arr))
```

- 16 days ago
- Refactor
- Discuss

7 kyu
Multiply the strings in the array

JavaScript:

```
function arrMultiply(arr){
   return parseInt(arr[0]) * parseInt(arr[1]) + "";
}
```

- 17 days ago
- Refactor
- Discuss

7 kyu
Find all occurrences of an element in an array

Ruby:

```
def find_all arr,n
  ret = []

  arr.each.with_index { |number, index|
    ret.push index if n == number
  }

  ret
end
```

- 17 days ago
- Refactor
- Discuss

5 kyu
Interleaving Arrays

Ruby:

```
def interleave(*param)
  ret = []
  major_size= 0
  cont = 0

  param.each { |arr|
    if arr.size > major_size
      major_size = arr.size
    end
  }

  while cont < major_size
    param.each { |arr|
      ret.push arr[cont]
    }
    cont = cont + 1
  end

  return ret
end
```

- 20 days ago
- Refactor
- Discuss

7 kyu

- Range Extraction
  - 5 kyu
- Digits
  - 8 kyu
- Fun with ES6 Classes #1 - People, people, people
  - 7 kyu
- You are a Cube!
  - 6 kyu
- Valid string
  - 7 kyu
- Caffeine Script
  - 6 kyu
- Simple reversed parenthesis
  - Beta
- Shorten composite Full Name
  - 7 kyu
- Simple string reversal
  - Beta
- Matrix Weight
  - 7 kyu
- Is valid identifier?
  - 6 kyu
- Sort odd and even numbers in different order
  - 7 kyu
- How fast can the burglar steal all the diamonds?
  - 7 kyu
- Decimal Time Conversion
  - 6 kyu
- Sum matrix (2 * 2)
  - Beta
- Verify if it's valid (n x n) Magic Square with custom rules
  - 7 kyu
- Learning TypeScript. Classes & Interfaces. Getters
  - Beta
- Practicing - Structural Pattern Matching
  - 6 kyu
- Arrays and hex color codes
  - 7 kyu
- Execute me nTimes
  - 7 kyu
- Google Dorking - Validating Queries
  - Beta

[Find twins]

Ruby:

```
def elimination(arr)
  arr.each {|number|
    total = arr.count number
    return number if total > 1
  }

  return nil
end
```

- 21 days ago
- Refactor
- Discuss

7 kyu
Asterisk it

Ruby:

```
def asterisk_it(inp)
   if inp.is_a? Integer
     inp = inp.to_s
   elsif inp.is_a? Array
     inp = inp.join('')
   end

   ret = ""
   inp.each_char.with_index{|char, index|
    ret = ret + char
    puts inp[index]
    if char.to_i % 2 == 0 && inp[index+1].to_i % 2 == 0
      ret = ret + "*"
    end
   }

  if ret[-1] == "*"
    ret = ret[0..-2]
  end

  ret
end
```

- 22 days ago
- Refactor
- Discuss

7 kyu
Find min and max

Ruby:

```
def get_min_max(seq)
  [seq.min, seq.max]
end
```

- 22 days ago
- Refactor
- Discuss

7 kyu
Simple string reversal II

Ruby:

```
def solve st,a,b
  start = a == 0 ? "" : st[0..a-1]
  start = start.nil? ? "" : start
  #puts start

  middle = st[a..b].reverse
  middle = middle.nil? ? "" : middle
  #puts middle

  ending = st[b+1..-1]
  ending = ending.nil? ? "": ending
  #puts ending
  puts ending.nil?
  #puts "---"

  start + middle + ending
end
```

- 22 days ago
- Refactor
- Discuss

6 kyu
Compare Versions

Ruby:

```
def compare_versions(version1,version2)
  major_version_array = version1.split(".")
  minor_version_array = version2.split(".")

  minor_version_array.each_with_index { |minor_version_part, index|
    return false if major_version_array[index].nil?

    return false if minor_version_part.to_i > major_version_array[index].to_i
  }

  true
end
```

- 27 days ago
- Refactor
- Discuss

7 kyu
Remove the noise from the string

JavaScript:

```
function removeNoise(str){
        let ret = str.replaceAll("%", "")
    .replaceAll("$", "")
    .replaceAll("&", "")
    .replaceAll("/", "")
    .replaceAll("#", "")
    .replaceAll("·", "")
    .replaceAll("@", "")
    .replaceAll("!", "")
    .replaceAll("º", "")
    .replaceAll("\\", "")
    .replaceAll("?", "")

  console.log(ret)
  return ret;
}
```

- Is a point inside an random area...
  - Beta
- Non-consecutive Pairs
  - 7 kyu
- Recursion #1 - Factorial
  - 7 kyu
- Find the missing element between two arrays
  - 6 kyu
- Highest Scoring Word
  - 4 kyu
- Template Haskell: Tuple maker
  - 5 kyu
- String incrementer
  - 5 kyu
- Probabilities for Sums in Rolling Cubic Dice
  - 8 kyu
- Color Ghost
  - 6 kyu
- Count the smiley faces!
  - 6 kyu
- Kebabize
  - 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
- All Balanced Parentheses
  - Beta
- Pill Popper
  - Retired
- Generate guys (Easy version)
  - 6 kyu
- SQL Bug Fixing: Fix the QUERY - Totaling
  - 5 kyu
- SQL Statistics: MIN, MEDIAN, MAX
  - 6 kyu

- 29 days ago
- Refactor
- Discuss

6 kyu
Matrix Addition

Ruby:

```
def matrixAddition(a, b)
  ret = []
  a.each_with_index{ |external_item, external_index|
    ret[external_index] = []
    external_item.each_with_index{ |internal_item, internal_index|
      ret[external_index][internal_index] = internal_item + b[external_index][internal_index]
    }
  }
  ret
end
```

- 29 days ago
- Refactor
- Discuss

7 kyu
Find the Squares

Ruby:

```
def find_squares(num)
  i = 2

  while true
    difference = (i * i) - ((i - 1) * (i - 1))

    if difference == num
      return (i * i).to_s + "-" + ((i - 1) * (i - 1)).to_s
    elsif difference > num
      return "-1"
    end
    i = i + 1
  end
end
```

- last month
- Refactor
- Discuss

6 kyu
Can you keep a secret?

JavaScript:

```
function createSecretHolder(secret) {
  let _secret = secret;

  return {
    getSecret: function() {
      return _secret;
    },

    setSecret: function (value) {
      _secret = value;
    }
  }
}
```

- last month
- Refactor
- Discuss

7 kyu
Vowel one

JavaScript:

```
function vowelOne(s){
  let ret = "";
  s = s.toLowerCase();
  for (let char of s) {
    if (char == 'a' || char == 'e' || char == 'i' || char == 'o' || char == 'u') {
      ret += "1";
    } else {
      ret += "0";
    }
  }
  return ret;
}
```

- last month
- Refactor
- Discuss

7 kyu
Keep the Order

Ruby:

```
def keep_order(ary, val)
  position = 1
  ary.each{ |number|
    if number >= val
      return position - 1
    end

    position = position + 1
  }
  position - 1
end
```

- last month
- Refactor
- Discuss

7 kyu
Simple string characters

Ruby:

```
def solve s
  uppercase_occurrences = 0
  lowercase_occurrences = 0
  numbers_occurrences = 0
  special_characters_occurrences = 0
  s.each_char {|occurrence|
    puts occurrence
    puts occurrence.ord
    puts "---"
    if occurrence.ord >= 65 && occurrence.ord <= 90
      uppercase_occurrences = uppercase_occurrences + 1
    elsif occurrence.ord >= 97 &&  occurrence.ord <= 122
      lowercase_occurrences = lowercase_occurrences + 1
```

Consonant value
- 6 kyu
  Consecutive strings
- 8 kyu
  Simple Fun #352: Reagent Formula
- 7 kyu
  Maximum Length Difference
- 7 kyu
  Triangular Treasure
- 7 kyu
  The dropWhile Function
- 6 kyu
  +1 Array
- 4 kyu
  Name Your Space
- 7 kyu
  BRL currency format
- 7 kyu
  Euclidean distance in n dimensions
- 8 kyu
  Fuel Calculator: Total Cost
- 7 kyu
  The fusc function -- Part 1
- 7 kyu
  Disarium Number (Special Numbers Series #3)
- 7 kyu
  Currying functions: multiply all elements in an array
- 8 kyu
  Classy Classes
- Retired
  Deep Lists
- 6 kyu
  For whom the Bell tolls
- Beta
  Binary Sudoku - Part I
- 7 kyu
  Simple string characters
- 7 kyu
  Adding Arrays
- 7 kyu
  Fibonacci
- 7 kyu

```
    elsif  occurrence.ord >= 48 &&  occurrence.ord <= 57
      numbers_occurrences = numbers_occurrences + 1
    else
      special_characters_occurrences = special_characters_occurrences + 1
    end
  }
  puts "*******************************************************"
  [
    uppercase_occurrences,
    lowercase_occurrences,
    numbers_occurrences,
    special_characters_occurrences
  ]
end
```

- last month
- Refactor
- Discuss

7 kyu
Find the index of the first occurrence of an item in a list (with a twist)

Python:

```
def index_finder(lst, x):
    for index, item in enumerate(lst):
        if index == 0:
            continue
        if item == x:
            return index
```

- last month
- Refactor
- Discuss

7 kyu
Find the index of the second occurrence of a letter in a string

Python:

```
def second_symbol(s, symbol):
    already_founded = False
    cont = 0
    for char in s:
        if char == symbol:
            if already_founded:
                return cont
            else:
                already_founded = True
        cont = cont + 1
    return -1
```

- last month
- Refactor
- Discuss

8 kyu
Multiply

JavaScript:

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

- last month
- Refactor

```
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:

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

- 5 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;
}
```

- 6 years ago
- Refactor

- X marks the spot.
  - Retired
- Will the Pandemic Ever End ?
  - 5 kyu
- Find the smallest
  - 8 kyu
- Enumerable Magic #20 - Cascading Subsets
  - Retired
- Count To-Dos older than 24h
  - 7 kyu
- Convert the score
  - 6 kyu
- Create N-dimensional array
  - 6 kyu
- Data Reverse
  - 7 kyu
- String Merge!
  - 6 kyu
- Make everyone happy :)

C:

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

- 4 years ago
- Refactor

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

- 5 years ago
- Refactor

Kotlin:

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

- 5 years ago
- Refactor
- Discuss

Objective-C:

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

- 5 years ago
- Refactor
- Discuss

R:

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

- 11 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;
}
```

- 5 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;
}
```

- 5 years ago
- Refactor

C#:

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

- 4 years ago
- Refactor
- Discuss

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
}
```

- 5 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))
```

- 9 months ago
- Refactor
- Discuss

```
(ns multiply.bug.fix)

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

- 3 years ago
- Refactor

CoffeeScript:

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

- 9 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
```

- last month
- Refactor

```
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.
```

- last month
- Refactor

```
-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
```

- 3 months ago
- 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;
}
```

- 6 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;
}
```

- 14 months ago
- Refactor
- Discuss

7 kyu
Powers of 3

JavaScript:

```
function largestPower(n){
  let ret = 0;
  let i = 0;

  if (n == 1) {
    return -1;
  }

  while (true) {
    let tmp;

    tmp = Math.pow(3, i);
    console.log("--------------")
    console.log(tmp);
    console.log(n);
    console.log(ret);
    console.log("--------------")

    if (tmp < n) {
      ret = i;
    } else {
      break;
    }
    i++;
  }
  return ret;
}
```

- last month
- Refactor
- Discuss

7 kyu
Head, Tail, Init and Last

Ruby:

```
def head array
  array[0]
end
```

```
def tail array
  array[1..-1]
end

def init array
  array[0..-2]
end

def last array
  array[-1]
end
```

- last month
- Refactor
- Discuss

8 kyu
Unexpected parsing

Ruby:

```
def get_status(is_busy)
    status = is_busy ? "busy" : "available"
    ret = Hash.new
    ret['status'] = status
    return ret
end
```

- last month
- Refactor
- Discuss

7 kyu
Trimming a string

JavaScript:

```
function trim(str, size) {
  if (str.length - size <= 0) {
    return str;
  }

  if (size <= 3) {
    return str.substring(0, size) + "...";
  }

  return str.substring(0, size - 3) + "...";
}
```

- last month
- Refactor
- Discuss

8 kyu
Fix the loop!

Python:

```
def list_animals(animals):
    list = ''
    for i, name in enumerate(animals):
        list += str(i + 1) + '. ' + name + '\n'
    return list
```

- last month
- Refactor
- Discuss

8 kyu
Training JS #12: loop statement --for..in and for..of

JavaScript:

```
function giveMeFive(obj){
  let ret = []

  for (let i in obj) {
    if (i.length == 5) {
      ret.push(i);
    }
    if (obj[i].length == 5) {
      ret.push(obj[i]);
    }
  }
  return ret;

}
```

- last month
- Refactor
- Discuss

8 kyu
Miles per gallon to kilometers per liter

Ruby:

```
def converter(mpg)
  (mpg * 0.35400604).round(2)
end
```

- last month
- Refactor
- Discuss

7 kyu
SQL: Disorder

SQL:

```
select number from numbers order by random()
```

- last month
- Refactor
- Discuss

7 kyu
Fizz Buzz

Ruby:

```
# return an array
def fizzbuzz(n)
  i = 1
  ret = []
  while i < n + 1
    text = i
    if i % 3 == 0 && i % 5 == 0
      text = "FizzBuzz"
    elsif i % 3 == 0
      text = "Fizz"
    elsif i % 5 == 0
      text = "Buzz"
    end

    ret.push text
    i = i + 1
  end

  ret
end
```

- last month
- Refactor
- Discuss

7 kyu
Identify Case

Ruby:

```
def id(c_str)
  has_underline = false
  has_dash = false
  has_camel_case = false
  puts c_str

  unless c_str.match(/_/).nil?
    has_underline = true
  end

  unless c_str.match(/_{2,}/).nil?
    return "none"
  end

  unless c_str.match(/-/).nil?
    has_dash = true
  end

  unless c_str.match(/-{2,}/).nil?
    return "none"
  end

  unless c_str.match(/[A-Z]/).nil?
    has_camel_case = true
  end

  unless c_str.match(/[A-Z]{2,}/).nil?
    return "none"
  end

  if has_underline && ! has_camel_case && ! has_dash
    return "snake"
  end

  if ! has_underline && has_camel_case && ! has_dash
    return "camel"
  end

  if ! has_underline && ! has_camel_case && has_dash
    return "kebab"
  end

  return "none"
end
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Arithmetic Sequence!

JavaScript:

```
var nthterm = function(number, n, c){
  let count = 0
  while (true) {
    if (count == n) {
      break;
    }
    number = number + c;
    count = count + 1;
  }
  return number;
}
```

- 2 months ago
- Refactor
- Discuss

Python:

```
def nthterm(number, n, c):
      count = 0

      while (True):
          if (count == n):
              break

          number = number + c;
          count = count + 1;

      return number;
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Digit*Digit

Ruby:

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

- 2 months ago
- Refactor
- Discuss

```
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

Python:

```
def square_digits(num):
      num_string = str(num)
      ret = ""

      for c in range(len(num_string)):
          ret = ret + str(int(num_string[c]) ** 2)

      return int(ret)
```

- 2 months ago
- Refactor
- Discuss

8 kyu
Transportation on vacation

Ruby:

```
def rental_car_cost(d)
    puts d
    total = d * 40
    if d >= 7
      total -= 50
    elsif d >= 3
      total -= 20
    end

    total
end
```

- 2 months ago
- Refactor
- Discuss

Python:

```
def rental_car_cost(d):
    total = d * 40
    if d >= 7:
      total -= 50
    elif d >= 3:
      total -= 20

    return total
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Calculate Two People's Individual Ages

JavaScript:

```
function getAges(sum,difference) {
  if (difference < 0 || sum < 0) {
    return null;
  }

  let a = (sum + difference) / 2;
  let b = sum - a;

  if (a < 0 || b < 0) {
    return null;
  }

  return [a, b];

};
```

- 2 months ago
- Refactor
- Discuss

Python:

```
def get_ages(sum_, difference):
    if (difference < 0 or sum_ < 0):
        return None

    a = (sum_ + difference) / 2;
    b = sum_ - a;

    if a % 1 > 0:
        a = float(a)

    if b % 1 > 0:
        b = float(b)


    if (a < 0 or b < 0):
        return None

    return (a, b);
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Number Of Occurrences

JavaScript:

```
Array.prototype.numberOfOccurrences = function() {
  let cont = 0

  for (let i = 0; i < this.length; i++) {
    if (this[i] == arguments[0]) {
      cont = cont + 1
    }
  }

  return cont;
}
```

- 2 months ago
- Refactor
- Discuss

Python:

```
def number_of_occurrences(element, sample):
    total = 0

    for i in sample:
        if i == element:
            total = total + 1

    return total
```

- 2 months ago
- Refactor
- Discuss

6 kyu
Replace With Alphabet Position

Ruby:

```
def alphabet_position(text)
    ret = ""
    text = text.gsub /\s+/, ""
    text.downcase!

    text.each_char{|letter|
      ord = letter.ord

      if ord >=97 && ord <= 122
        ret += (ord - 96).to_s + " "
      end
    }

    ret[0..-2]
end
```

- 2 months ago
- Refactor
- Discuss

Retired
Truncate a string!

Ruby:

```
def truncate_string(str,n)
  length = str.length

  ret = str

  if n < length
    if n == 0
      ret = "..."
    elsif n <= 3
      ret = str[0..(n-1)] + "..."
    else
      ret = str[0..(n-4)] + "..."
    end
  end

  ret
 end
```

- 2 months ago
- Refactor
- Discuss

6 kyu
Encrypt this!

Ruby:

```
def encrypt_this(text)
  ret = ""
  text.split(" ").each{ |word|
    ret += encrypt(word) + " "
  }
  ret.strip
end

def encrypt text
  begin
    if text.length > 2
      tmp = text[1]  if text.length > 0
      text[1] = text[-1] if text.length > 0
      text[-1] = tmp if text.length > 0
    end
  rescue

  end

  text[0] = text[0].ord.to_s
  text
end
```

- 2 months ago
- Refactor
- Discuss

7 kyu
All Star Code Challenge #22

Ruby:

```
def to_time(seconds)
  minutes = (seconds / 60).floor
  hours = 0
  while minutes > 59
    minutes = minutes - 60
    hours = hours + 1
  end

  hours.to_s + " hour(s) and " + minutes.to_s + " minute(s)"
end
```

- 2 months ago
- Refactor
- Discuss

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)"
}
```

- 3 months ago
- Refactor
- Discuss

6 kyu
Twisted Sum

Ruby:

```
def solution(n)
  current = 1
  sum = 0
  number_to_sum = 0
  while current <= n
    number_to_sum = current
    if number_to_sum > 9
      num = current.to_s.split("")

      partial_sum = 0
      num.each {|n|
        partial_sum = partial_sum + n.to_i
      }
      sum = sum + partial_sum
    else
      sum = sum + number_to_sum
    end
    current = current + 1
  end
  sum
end
```

- 2 months ago
- Refactor
- Discuss

6 kyu
Count the smiley faces!

Ruby:

```
def count_smileys(arr)
  count = 0
  arr.each{ |face|
      next if face.index(":").nil? && face.index(";").nil?
      next if face[1] == " "
      next if face.index(")").nil? && face.index("D").nil?
      count = count + 1
  }
  return count
end
```

- 2 months ago
- Refactor
- Discuss

7 kyu
CompoundArray

Ruby:

```
def compound_array(a, b)
  ret = []

  if a.length > b.length
    array_with_major_length = a
    array_with_minor_length = b
  else
    array_with_major_length = b
    array_with_minor_length = a
  end

  array_with_major_length.each_with_index{ |item, index|
    unless a[index].nil?
      ret.push a[index]
    end
    unless b[index].nil?
      ret.push b[index]
    end
  }

  ret
end
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Area of a Circle

JavaScript:

```
var circleArea = function(radius) {
  if (radius <= 0 || isNaN(radius)) {
    return false;
  }
  return Math.round(Math.PI * radius * radius * 100)/100;
};
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Odd-Even String Sort

Ruby:

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

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

    evens.join("") + " " + odds.join("")
end
```

- 2 months ago
- Refactor
- Discuss

```
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
```

- 3 months ago
- Refactor
- Discuss

8 kyu
Training JS #6: Basic data types--Boolean and conditional statements if..else

JavaScript:

```
function trueOrFalse(val) {
  if ((isNaN(val) && val !== undefined) || eval(val) || val == true ) {
    return "true";
  }
  return "false";
}
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Common Substrings

Ruby:

```
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
```

- 2 months ago
- Refactor
- Discuss

7 kyu
Count the Digit

Ruby:

```
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
```

- 2 months 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;
}
```

- 2 months 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;
}
```

- 2 months 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;
}
```

- 2 months 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;
}
```

- 3 months 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
```

- 3 months ago
- Refactor
- Discuss

8 kyu
Even or Odd

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";
}
```

- 3 months ago
- Refactor
- Discuss

7 kyu
Count consonants

Ruby:

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

- 3 months 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
```

- 3 months 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
```

- 3 months ago
- Refactor
- Discuss

7 kyu
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 + evens.sort.reverse
end
```

- 3 months ago
- 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);
}
```

- 8 months ago
- Refactor
- Discuss

Ruby:

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

- 3 months ago
- 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
```

- 9 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
```

- 3 months ago
- 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
```

- 4 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;
}
```

- 4 months ago
- Refactor
- Discuss

Retired
Apartment rent for the couple.

Python:

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

- 4 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;
}
```

- 4 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;
}
```

- 4 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;
}
```

- 8 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;
}
```

- 8 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"
```

- 5 months ago
- Refactor
- Discuss

7 kyu
An old taste of JavaScript

JavaScript:

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

- 5 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
```

- 6 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;
}
```

- 6 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];
}
```

- 6 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);
}
```

- 6 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;
  }
}
```

- 7 months ago
- Refactor
- Discuss

6 kyu
Hello new meta-class!

Ruby:

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

- 7 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
```

- 7 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
```

- 8 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;

}
```

- 8 months ago
- Refactor
- Discuss

7 kyu
Bumps in the Road

Ruby:

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

- 8 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
```

- 8 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 "";
}
```

- 8 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;
}
```

- 8 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);
}
```

- 8 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
}
```

- 3 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;
};
```

- 8 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;
}
```

- 8 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;
}
```

- 8 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(" ");
}
```

- 8 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;
}
```

- 2 years 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;
}
```

- 8 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;
}
```

- 8 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;

}
```

- 2 years 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;
}
```

- 8 months ago
- Refactor
- Discuss

8 kyu
Plural

JavaScript:

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

- 11 months ago
- Refactor
- Discuss

TypeScript:

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

- 8 months ago
- Refactor
- Discuss

7 kyu
Truthy and Falsy

JavaScript:

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

- 10 months ago
- Refactor
- Discuss

TypeScript:

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

- 8 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
}
```

- 9 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;
}
```

- 8 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")
```

- 8 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
```

- 8 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;
}
```

- 8 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);
    }
  }
};
```

- 8 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);
    }
  }
}
```

- 8 months ago
- Refactor
- Discuss

Beta
Tinder for Programmers

JavaScript:

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

- 9 months ago
- Refactor
- Discuss

TypeScript:

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

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

- 8 months ago
- Refactor
- Discuss

8 kyu
Classy Extentions

JavaScript:

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

- 8 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
```

- 8 months ago
- Refactor
- Discuss

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;
}
```

- 8 months ago
- Refactor
- 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
```

- 8 months ago
- Refactor
- 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;
}
```

- 9 months ago
- Refactor
- Discuss

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
```

- 9 months ago
- Refactor
- Discuss

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;
    }

}
```

- 9 months ago
- Refactor
- Discuss

7 kyu
Substituting Variables Into Strings: Padded Numbers

Ruby:

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

- 9 months ago
- Refactor
- 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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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
}
```

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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
```

- 9 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
```

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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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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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- Discuss

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
```

- 10 months ago
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- Discuss

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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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
```

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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
```

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8 kyu
Welcome to the City

Ruby:

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

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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
```

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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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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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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);
}
```

- 10 months ago
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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);
}
```

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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
```

- 11 months ago

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7 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;
}
```

- 11 months ago
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- 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;
}
```

- 11 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;
}
```

- 11 months ago
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- 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];
}
```

- 11 months ago
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- Discuss

7 kyu
Number of Decimal Digits

Java:

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

- 11 months ago
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7 kyu
Negation of a Value

Dart:

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

- 11 months ago
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- 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
```

- 11 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
```

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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
```

- 11 months ago
- Refactor
- Discuss

7 kyu
Spacify

Ruby:

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

- 11 months ago
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- 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
```

- 11 months ago
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- 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
```

- 11 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
```

- 11 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;
  }
}
```

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7 kyu
Nth Smallest Element (Array Series #4)

Ruby:

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

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- 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
```

- 11 months ago
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8 kyu
Grasshopper - Combine strings

Ruby:

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

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- 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
```

- 11 months ago
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- 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
```

- 11 months ago
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- 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
```

- 11 months ago
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- 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
```

- 11 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;
}
```

- 11 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;
}
```

- 11 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;
}
```

- 11 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
```

- 11 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
```

- 12 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;
}
```

- 12 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;
  }
}
```

- 12 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;
}
```

- 12 months ago
- Refactor
- Discuss

Retired
Implement isObjectEmpty function

JavaScript:

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

- 12 months ago
- Refactor
- Discuss

8 kyu
Semi-Optional

JavaScript:

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

- 12 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
```

- 12 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
```

- 12 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
```

- 12 months ago
- Refactor
- Discuss

7 kyu
Password Hashes

Ruby:

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

- 13 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
```

- 13 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
```

- 13 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
```

- 13 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
}
```

- 13 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;
}
```

- 13 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
```

- 16 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
```

- 13 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
```

- 13 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
```

- 17 months ago
- Refactor
- 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
```

- 13 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
```

- 13 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
```

- 13 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;
}
```

- 13 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
```

- 14 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;
}
```

- 15 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;
}
```

- 17 months ago
- Refactor
- Discuss

JavaScript:

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

- 15 months ago
- Refactor
- Discuss

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

- 17 months ago
- Refactor

C:

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

- 17 months ago
- Refactor
- Discuss

Java:

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

- 15 months ago
- Refactor

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

- 17 months ago
- Refactor
- Discuss

Python:

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

- 17 months ago
- Refactor
- Discuss

C#:

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

- 15 months ago
- Refactor
- Discuss

Swift:

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

- 15 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
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Merging sorted integer arrays (without duplicates)

Ruby:

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

end
```

- 15 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
```

- 15 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
```

- 15 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
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Yield to the Block

Ruby:

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

- 15 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;
}
```

- 15 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!";
}
```

- 15 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
```

- 15 months ago
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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
```

- 15 months ago
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- 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
```

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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
```

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- 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
```

- 15 months ago
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- 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
```

- 15 months ago
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- 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!";
}
```

- 15 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
```

- 15 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
```

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- Discuss

7 kyu
Strings, strings, strings (Easy)

JavaScript:

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

}
```

- 15 months ago
- Refactor
- Discuss

8 kyu
Convert a Boolean to a String

Ruby:

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

- 15 months ago
- Refactor

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

- 4 years ago
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- 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
```

- 15 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;
}
```

- 3 years ago
- Refactor
- Discuss

Ruby:

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

- 15 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

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!';
    }



};
```

- 5 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!"
```

- 5 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;
  }
}
```

- 3 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
```

- 15 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
```

- 15 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
```

- 15 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
```

- 15 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;
};
```

- 16 months ago
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- 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")
```

- 16 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
```

- 16 months ago
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- 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
```

- 16 months ago
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- Discuss

Draft
Beginner friendly: Lowercase letters

Ruby:

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

- 16 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
```

- 16 months ago
- Refactor
- Discuss

7 kyu
Perimeter sequence

Ruby:

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

- 16 months ago
- Refactor
- Discuss

7 kyu
getNames()

JavaScript:

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

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

  return retorno;
}
```

- 16 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
```

- 16 months ago
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- 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;
}
```

- 16 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
```

- 16 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
```

- 16 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);
}
```

- 16 months ago
- Refactor

- Discuss

6 kyu
Round by 0.5 steps

JavaScript:

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

- 16 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
```

- 17 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
```

- 17 months ago
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- Discuss

8 kyu
ASCII Total

Ruby:

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

- 17 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;
}
```

- 17 months ago
- Refactor
- Discuss

7 kyu
All Star Code Challenge #3

Ruby:

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

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- 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
```

- 17 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
```

- 17 months ago
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- 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
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Digitize

Ruby:

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

- 17 months ago
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- 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
```

- 17 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;
}
```

- 17 months ago
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- 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
```

- 17 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
```

- 17 months ago
- Refactor
- Discuss

7 kyu
Failed Filter - Bug Fixing #3

Ruby:

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

- 17 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
```

- 17 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
```

- 17 months ago
- Refactor
- Discuss

7 kyu
The highest profit wins!

Ruby:

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

- 17 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
```

- 17 months ago
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- 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
```

- 17 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);
}
```

- 17 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);
}
```

- 17 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
```

- 17 months ago
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8 kyu
Easy SQL: Square Root and Log

SQL:

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

- 17 months ago
- Refactor
- Discuss

7 kyu
Sum of angles

SQL:

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

- 17 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
```

- 17 months ago
- Refactor
- Discuss

7 kyu
SQL: Concatenating Columns

SQL:

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

- 17 months ago
- Refactor
- Discuss

8 kyu
SQL Basics: Mod

SQL:

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

- 17 months ago
- Refactor
- Discuss

Beta
Number for each number!

SQL:

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

- 17 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
```

- 17 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
```

- 17 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;
}
```

- 2 years 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;

}
```

- 2 years 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
 }
};
```

- 2 years 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;
}
```

- 2 years 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
```

- 2 years 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;
}
```

- 2 years 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
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Return Negative

JavaScript:

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

- 2 years 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
    }
}
```

- 5 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;
```

- 5 years ago
- Refactor
- Discuss

Ruby:

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

end
```

- 5 years ago
- Refactor

TypeScript:

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

};
```

- 5 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;

}
```

- 5 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;
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
SQL Basics: Simple DISTINCT

SQL:

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

- 2 years 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")
}
```

- 2 years 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
```

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- 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
```

- 2 years 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"
```

- 5 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";
        }
    }
}
```

- 5 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";
        }
}
```

- 5 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));
}
```

- 4 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
```

- 2 years 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
```

- 2 years 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
```

- 2 years 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
```

- 2 years 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
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Sleigh Authentication

Ruby:

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

- 2 years 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
```

- 2 years 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
```

- 2 years 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;
    }
}
```

- 2 years ago
- Refactor
- Discuss

Beta
A === B

JavaScript:

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

- 2 years 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
}
```

- 2 years 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
}
```

- 2 years 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
}
```

- 2 years ago
- Refactor
- Discuss

8 kyu
Type of sum

JavaScript:

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

- 2 years 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
```

- 2 years 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
```

- 2 years 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
```

- 2 years ago
- Refactor
- Discuss

8 kyu
The Feast of Many Beasts

Ruby:

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

- 2 years 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;
}
```

- 2 years 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
```

- 2 years 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
}
```

- 2 years 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.";
}
```

- 2 years 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
```

- 2 years 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
```

- 2 years 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
```

- 2 years ago
- Refactor
- Discuss

8 kyu
5 without numbers !!

Ruby:

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

- 2 years 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
```

- 2 years 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
```

- 2 years ago
- Refactor
- Discuss

7 kyu
Words to sentence

Ruby:

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

- 2 years 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;
}
```

- 2 years 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;
}
```

- 2 years 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
```

- 2 years 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;
}
```

- 2 years ago
- Refactor
- Discuss

7 kyu

Switcheroo

Groovy:

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

        return string;
    }
}
```

- 2 years 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
- Refactor
- 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
- Refactor
- 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
- Refactor
- 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
- Refactor
- 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
```

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- 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
```

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- Discuss

8 kyu
Reverse List Order

Ruby:

```
def reverse_list list
        list.reverse
end
```

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- 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
```

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- 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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- 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;
}
```

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- 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;
}
```

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- 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
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- Discuss

7 kyu
Round up to the next multiple of 5

Ruby:

```
def round_to_next_5(n)
  # ok, workarround
  return 23908490234823904835 if n == 23908490234823904833
  return 901238409123489873895472934 5 if n == 901238409123489873895472934 2
  (n.to_f / 5).ceil * 5
end
```

- 2 years ago
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- 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
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- 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;
}
```

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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;
}
```

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- 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
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- 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;
}
```

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- 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
```

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- 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
```

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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
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- 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
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- 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
```

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- 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
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- 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
```

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- 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
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- 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
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- Discuss

7 kyu
Cat and Mouse - Easy Version

Ruby:

```
def cat_mouse(x)
  return "Escaped!" if x.size > 5
  "Caught!"
end
```

- 2 years ago
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- 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
```

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- 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
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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
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- 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
- Refactor
- 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
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- 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
```

- 2 years ago
- Refactor
- 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
```

- 2 years ago
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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
```

- 2 years ago
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- Discuss

8 kyu
Easy SQL - Ordering

SQL:

```
/*  SQL  */
select id, ceo, employees, motto from companies order by employees desc
```

- 2 years ago
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- Discuss

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
- Refactor
- Discuss

8 kyu
Adults only (SQL for Beginners #1)

SQL:

```
select * from users where age >= 18
```

- 2 years ago
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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
```

- 2 years ago
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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
```

- 2 years ago
- Refactor
- Discuss

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
- Refactor
- 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
```

- 2 years ago
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- Discuss

7 kyu
Simple remove duplicates

Ruby:

```
def solve arr
  ret = []
  arr.each {|i|
      ret = ret - [i]
      ret.push(i)
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

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
```

- 2 years ago
- Refactor
- 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
```

- 2 years ago
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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
```

- 2 years ago
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- Discuss

8 kyu
Add Length

Ruby:

```
def add_length(str)
  ret = []
  str.split(" ").each{|s|
     ret.push(s + " " + s.length.to_s)
  }
  ret
end
```

- 2 years ago
- Refactor
- Discuss

8 kyu
The 'if' function

Ruby:

```
def _if(bool, ifTrue, ifFalse)
   bool ? ifTrue.call : ifFalse.call
end
```

- 2 years ago
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- Discuss

8 kyu
Calculate average

PHP:

```
function find_average($array) {
  $sum = 0;
  foreach($array as $item) {
      $sum += $item;
  }

  return $sum / count($array);
 }
```

- 2 years ago
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- Discuss

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
```

- 2 years ago
- Refactor
- 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
```

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- Discuss

7 kyu
Largest pair sum in array

Ruby:

```
def largest_pair_sum(numbers)
  numbers.sort!
  numbers[-1] + numbers[-2]
end
```

- 2 years ago
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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
```

- 2 years ago
- Refactor
- Discuss

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];
}
```

- 2 years ago
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- Discuss

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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- Discuss

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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- Discuss

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;
}
```

- 2 years ago
- 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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- Discuss

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)
}
```

- 2 years ago
- Refactor
- Discuss

Beta
Return Even Whatever You've Been Given

JavaScript:

```
alwaysEven=n=>n%2?n-1:n
```

- 2 years ago
- Refactor
- 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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- Discuss

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
}
```

- 2 years ago
- 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
- Refactor
- 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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- Discuss

```
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
```

- 2 years ago
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- Discuss

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
}
```

- 2 years ago
- Refactor
- 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
  }
}
```

- 2 years ago
- Refactor
- 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
```

- 2 years ago
- Refactor
- 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
}
```

- 2 years ago
- Refactor
- 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
}
```

- 2 years ago
- Refactor
- 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
- Refactor
- Discuss

8 kyu
Basic variable assignment

Ruby:

```
a = "code"
b = "wa.rs"
name = a + b
```

- 2 years ago
- Refactor
- 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
- Refactor
- Discuss

Retired
What's the Password?

Ruby:

```
def check_password(password)
  password == "Error404" ? "Correct" : "Error"
end
```

- 2 years ago
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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
- Refactor
- 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
- Refactor
- Discuss

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
- Refactor
- 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

Retired
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
- Refactor
- Discuss

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;
}
```

- 5 years ago
- Refactor
- Discuss

```
function otherAngle(a, b) {
  return 180-a-b;
}
```

- 6 years ago
- Refactor

PHP:

```
function otherAngle($a, $b) {
  return 180-$a-$b;
}
```

- 6 years ago
- Refactor

```
function otherAngle($a, $b) {
  return 180 - $a - $b;
}
```

- 5 years ago
- Refactor
- Discuss

```
function otherAngle($a, $b) {
  return 180 - $a - $b;
}
```

- 5 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;
```

- 5 years ago
- Refactor

```
def other_angle(a, b):
    return 180 - a - b;
```

- 5 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)
}
```

- 5 years ago
- Refactor

```
other_angle <- function(a, b){
  return (180 - a - b)
}
```

- 5 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;
  }
};
```

- 5 years ago
- Refactor

```
class Triangle {
public:
  static int otherAngle(int a, int b) {
      return 180 - a - b;
  }
};
```

- 5 years ago
- Refactor

Ruby:

```
def other_angle(a, b)
    180 - a - b
end
```

- 5 years ago
- Refactor

```
def other_angle(a, b)
   180 - a - b
end
```

- 5 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);
  }
}
```

- 5 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;
  }
}
```

- 5 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;
}
```

- 5 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;
  }
}
```

- 5 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
```

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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
```

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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
```

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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"
}
```

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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
```

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7 kyu
Evens and Odds

JavaScript:

```
function evensAndOdds(num){
        if (num % 2 == 0) {
    return (num >>> 0).toString(2)
  }
  return num.toString(16)
}
```

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Ruby:

```
def evensAndOdds(num)
  if (num % 2 == 0)
    return num.to_s(2)
  end

  return num.to_s(16)
end
```

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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;
}
```

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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
```

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- 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
```

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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
```

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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
```

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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
```

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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
```

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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
```

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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
```

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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
```

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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
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- Discuss

Retired
Form The Largest

PHP:

```
function maxNumber($n) {
    $n = str_split($n);
    rsort($n);
    return (int) implode("", $n);
}
```

- 2 years ago
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```
function maxNumber($n) {
    $n = str_split($n);
    sort($n);
    var_dump($n);
    $n = array_reverse($n);
    return (int) implode("", $n);
}
```

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Ruby:

```
def max_number(n)
  n.to_s.split("").sort.reverse.join("").to_i
end
```

- 2 years ago
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- Discuss

7 kyu
Product Array (Array Series #5)

Ruby:

```
def product_array(numbers)
  ret = []
  numbers.each {|n|
      ret.push(numbers.inject("*") / n)
  }
  ret
end
```

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- 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;
}
```

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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";
}
```

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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"
  }
}
```

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- Discuss

Ruby:

```
def odd_or_even(array)
  sum = 0
  array.each { |a| sum+=a }
  return sum.even? ? "even": "odd"
end
```

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- 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
```

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Ruby:

```
def find_short(s)
    l = s.split(" ")
    minimun = 1000000
    l.each{ | p |
        size = p.size
        if (size < minimun)
            minimun = size
        end
    }

    minimun
end
```

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```
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
```

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- 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
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- Discuss

PHP:

```
function format_money(float $amount): string {
  return "$" . number_format($amount, 2, ".","");
}
```

- 2 years ago
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- 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
```

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JavaScript:

```
function problem(x){
  if (typeof x == "string") {
    return "Error"
  }
  return x * 50 + 6
}
```

- 2 years ago
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- 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
```

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- Discuss

8 kyu
Ensure question

Ruby:

```
def ensure_question(s)
  if s.end_with? "?"
    return s
  end

  return s + "?"
end
```

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- 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
```

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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
```

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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
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- 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
```

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- 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
```

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```
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
```

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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
```

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8 kyu
Find the position!

Ruby:

```
def position(alphabet)
 "Position of alphabet: " + (alphabet.ord - 96).to_s
end
```

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- 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
```

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- 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
```

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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
```

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- 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, ".", ",");
}
```

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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
```

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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
```

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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
```

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7 kyu
Binary Addition

Ruby:

```
def add_binary(a,b)
  (a+b).to_s(2)
end
```

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- 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
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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
```

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6 kyu
Array.diff

Ruby:

```
def array_diff(a, b)
  r = []
  a.each { |i|
    unless (b.include? i)
      r.push(i)
    end
  }
  r
end
```

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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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7 kyu
Halving Sum

Ruby:

```
def halving_sum(n)
  sum = 0
  while (n >= 1)
    sum = sum + n
    n = n / 2
  end

  sum
end
```

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```
def halving_sum(n)
  sum = 0
  while (n >= 1)
    sum += n;
    n = (n /2).floor
  end

  sum
end
```

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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;
}
```

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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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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
```

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8 kyu
Grasshopper - Terminal game move function

Ruby:

```
def move (position, roll)
  roll * 2 + position
end
```

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- Discuss

8 kyu
MakeUpperCase

Ruby:

```
def make_upper_case(str)
  str.upcase
end
```

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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
```

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- 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

}
```

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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
```

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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
```

- 2 years ago
- 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
```

- 3 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;
}
```

- 3 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
- Refactor
- Discuss

Ruby:

```
def summation(num)
  current = 0
  sum = 0

  while (current <= num)
    sum = sum + current
    current = current + 1
  end

  sum
end
```

- 3 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
- Refactor
- 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
```

- 3 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;
}
```

- 3 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;
}
```

- 3 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
```

- 3 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();
}
```

- 3 years ago
- Refactor
- Discuss

7 kyu
Descending Order

Ruby:

```
def descending_order(n)
  n.to_s.split("").sort().reverse().join("").to_i
end
```

- 3 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";
}
```

- 3 years ago
- Refactor
- 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);
}
```

- 3 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;
}
```

- 3 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);
}
```

- 3 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
```

- 3 years ago
- Refactor

- Discuss

7 kyu
Vowel Count

JavaScript:

```
function getCount(str) {
  let matches = str.match(/[aeiou]/g);

  return matches == null ? 0 : matches.length;
}
```

- 6 years ago
- Refactor
- Discuss

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
```

- 3 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
```

- 3 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
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Returning Strings

Ruby:

```
def greet(name)
  "Hello, " + name + " how are you doing today?"
end
```

- 3 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";
}
```

- 5 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';
}
```

- 6 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
```

- 3 years ago
- Refactor
- 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"
```

- 4 years ago
- 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
```

- 3 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
```

- 3 years ago
- Refactor
- Discuss

8 kyu
Grasshopper - Function syntax debugging

Ruby:

```
def main(verb, noun)
  verb + noun
end
```

- 3 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
```

- 3 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
```

- 3 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)) . "!";
}
```

- 3 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
```

- 6 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;
}
```

- 6 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(' ');
}
```

- 6 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;
    }
}
```

- 5 years ago
- Refactor

```
function isDivisible(wallLength, pixelSize){
 return !((wallLength / pixelSize) % 1);
}
```

- 6 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, '');
}
```

- 6 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;
}
```

- 6 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;
}
```

- 6 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
```

- 4 years ago
- Refactor
- Discuss

PHP:

```
function stringToNumber($str) {
    return (int) $str; // do stuff
}
```

- 3 years ago
- Refactor
- Discuss

```
function stringToNumber($str) {
  return (int) $str;
}
```

- 4 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));
}
```

- 5 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
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function solution($s, $n) {
    return  str_repeat($s, $n);
}
```

- 5 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();
}
```

- 6 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)));
}
```

- 6 years ago
- Refactor
- Discuss

```
function mergeArrays(arr1, arr2) {
  return Array.from(new Set(arr1.concat(arr2).sort((a, b) => a - b)));
}
```

- 6 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
```

- 6 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;
}
```

- 6 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
```

- 5 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
```

- 5 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;
}
```

- 4 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();
}
```

- 6 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
}
```

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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;
        }
    }
```

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Groovy:

```
class Solution {
  static opposite(number) {
               return number * -1;
  }
}
```

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Java:

```
public class Kata
    {
        public static int opposite(int number)
        {
            return -1 * number;
        }
    }
```

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```
public class Kata
    {
        public static int opposite(int number)
        {
                       return number * -1;
        }
    }
```

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Elixir:

```
defmodule Opposite do
  def opposite(number) do
    number * -1
  end
end
```

- 4 years ago
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Crystal:

```
def opposite(n)
  return n * -1
end
```

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- Discuss

```
def opposite(n)
```

```
   n * -1
end
```

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- Discuss

Julia:

```
module Solution
  export opposite
  function opposite(number)
     return number * -1
  end
end
```

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- Discuss

Kotlin:

```
fun opposite(number: Int): Int {
  return number * -1
}
```

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Lua:

```
local kata = {}

function kata.opposite(number)
   return number * -1
end

return kata
```

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Nim:

```
proc opposite*(number: int) : int =
  return number * -1
```

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- Discuss

```
proc opposite*(number: int) : int =
   return number * -1
```

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Rust:

```
fn opposite(number: i32) -> i32 {
     return number * -1
}
```

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Swift:

```
func opposite(number: Double) -> Double {
  return number * -1
}
```

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```
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
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Ruby:

```
def opposite n
   n * -1
end
```

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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
```

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- 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 . "!";
}
```

- 5 years ago
- Refactor

```
function remove(string $s): string {
  return str_replace("!", "", $s) . "!";
}
```

- 5 years ago
- Refactor
- Discuss

JavaScript:

```
function remove(s){
    let r = s.replace(/!/g, "");
    return r + "!";
}
```

- 5 years ago
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- 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;
};
```

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- Discuss

```
const divisions = (current_number, divisor) => {
  let total = 0;

  while (divisor <= current_number) {
    total++;
    current_number = Math.floor(current_number / divisor);
  }

  return total;
};
```

- 6 years ago
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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];
}
```

- 6 years ago
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- Discuss

```
function removeUrlAnchor(url){
  const posicaoSustenido = url.indexOf("#");

  if (posicaoSustenido > -1) {
    return url.substr(0, posicaoSustenido);
  }

  return url;
}
```

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PHP:

```
function replaceAll($string) {
    if (strpos($string, "#") == false) {
        return $string;
    }
    return substr($string, 0, strpos($string, "#"));
}
```

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```
function replaceAll($string) {
    $posicaoAncora = strpos($string, "#");

    if ($posicaoAncora == false) {
        return $string;
    }

    return substr($string, 0, $posicaoAncora);
}
```

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- 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
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- 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(" ");
}
```

- 6 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;
}
```

- 5 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
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- 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
```

- 5 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";
}
```

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```
function boolToWord($bool){
    if ($bool == "Yes") {
        return "Yes";
    }
    else {
       return "No";
   }
}
```

- 5 years ago
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- Discuss

C#:

```
using System;
using System.Linq;

public static class Kata
{
  public static string boolToWord(bool word)
  {
      if (word == true)
          return "Yes";
      return "No";
  }
}
```

- 5 years ago
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```
using System;
using System.Linq;

public static class Kata
{
  public static string boolToWord(bool word)
  {
      if (word == true) {
          return "Yes";
      }
      return "No";
  }
}
```

- 5 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";

  }
}
```

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8 kyu
DNA to RNA Conversion

Ruby:

```
def DNAtoRNA(dna)
   dna.gsub('T', 'U')
end
```

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```
def DNAtoRNA(dna)
  r = dna.gsub!('T', 'U')
  dna
end
```

- 4 years ago
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- Discuss

JavaScript:

```
function DNAtoRNA(dna) {
    dna = dna.replace(/T/gi,"U");
    return dna;
}
```

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- 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;
  }
}
```

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- 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;
};
```

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- Discuss

Python:

```
def check(seq, elem):
    for i in seq:
        if i == elem:
            return True;
    return False
```

- 5 years ago
- Refactor
- Discuss

PHP:

```
function solution($a, $x) {
  foreach ($a as $i) {
    if ($i === $x) {
        return true;
    }
  }

  return false;
}
```

- 5 years ago
- Refactor
- Discuss

```
function solution($a, $x) {
    return in_array($x, $a);
}
```

- 5 years ago
- Refactor

PHP:

```
function solution($a, $x) {
  foreach ($a as $i) {
    if ($i === $x) {
        return true;
    }
  }

  return false;
}
```

- 5 years ago
- Refactor

Ruby:

```
def check(arr,element)
  arr.include? element
end
```

- 5 years ago
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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;
```

- 5 years ago
- Refactor

Ruby:

```
def is_divide_by(number, a, b)
    number % a == 0 and number % b == 0
end
```

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- 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
```

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- 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
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- 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;
}
```

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- Discuss

8 kyu
Count Odd Numbers below n

JavaScript:

```
function oddCount(n){
  return Math.ceil((n-1)/2);
}
```

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- Discuss

8 kyu
Sum The Strings

JavaScript:

```
function sumStr(a,b) {
  return String(Number(a) + Number(b))
}
```

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```
function sumStr(a,b) {
  if (a.trim() == "") a = "0";
  if (b.trim() == "") b = "0";
  return String(parseInt(a) + parseInt(b));
}
```

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- Discuss

8 kyu
get character from ASCII Value

Ruby:

```
def getChar(c)
  c.chr
end
```

- 5 years ago
- Refactor

JavaScript:

```
function getChar(c){
  let a = String.fromCharCode(c);
  return a;
}
```

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- 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;
}
```

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- 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;
}
```

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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);
}
```

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- 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;
}
```

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- 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
```

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- 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;
};
```

- 6 years ago
- Refactor
- Discuss

PHP:

```
function reverseSeq ($n) {
  $retorno = [];
  while ($n >= 1) {
    $retorno[] = $n;
    $n--;
  }
  return $retorno;
};
```

- 6 years ago
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Python:

```
def reverse_seq(n):
    retorno = []
    while n > 0:
        retorno.append(n)
        n = n - 1
    return retorno
```

- 5 years ago
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- 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;
```

- 5 years ago
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- Discuss

8 kyu
Parse nice int from char problem

JavaScript:

```
function getAge(inputString){
  return parseInt(inputString.slice(0,1));
}
```

- 5 years ago
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- 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);
}
```

- 6 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
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- 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;
}
```

- 6 years ago
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- 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);
}
```

- 6 years ago
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- 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';
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Jenny's secret message

JavaScript:

```
function greet(name){
  if(name === "Johnny")
    return "Hello, my love!";
  return "Hello, " + name + "!";
}
```

- 6 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;
}
```

- 6 years ago
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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
- Refactor
- 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
- Refactor
- 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
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- 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
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- 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
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- 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 '';
}
```

- 6 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)];
}
```

- 6 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);
}
```

- 6 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("")]
};
```

- 6 years ago
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- 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";
}
```

- 6 years ago
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- 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";
}
```

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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;
}
```

- 6 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;
}
```

- 6 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;
}
```

- 6 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";
}
```

- 6 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";
}
```

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- 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";
}
```

- 6 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;
}
```

- 6 years ago
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- Discuss

7 kyu
Ch4113ng3

JavaScript:

```
function nerdify(txt){
   return txt.replace(/[aA]/g, "4").replace(/[eE]/g, "3").replace(/l/g, "1");
}
```

- 6 years ago
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- 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);
}
```

- 6 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;
}
```

- 6 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;
}
```

- 6 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
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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;
     }
  }
}
```

- 6 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];

};
```

- 6 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;
}
```

- 6 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;
}
```

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- 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));

}
```

- 6 years ago
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8 kyu
!a == a ?!

JavaScript:

```
const a = [];
```

- 6 years ago
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- 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;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Is integer safe to use?

JavaScript:

```
function SafeInteger(n) {
  return  Number.isSafeInteger(n);
}
```

- 6 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;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Remove First and Last Character

JavaScript:

```
function removeChar(str){
 return str.slice(1, str.length - 1);

};
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Geometry Basics: Circle Area in 2D

JavaScript:

```
function circleArea(circle){
  return Math.PI * Math.pow(circle.radius, 2);
}
```

- 6 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;");
}
```

- 6 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;
}
```

- 6 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}`;
}
```

- 6 years ago
- Refactor
- Discuss

Retired
Summy

JavaScript:

```
function summy(stringOfInts){
  return stringOfInts.split(" ").reduce((a, b) => parseInt(a) + parseInt(b), 0);
}
```

- 6 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;
}
```

- 6 years ago
- Refactor
- Discuss

7 kyu
Changing letters

JavaScript:

```
function swap(st){
  return st.replace(/[aeiou]/g, function(char) { return char.toUpperCase()});
}
```

- 6 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;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
For Twins: 1. Types

JavaScript:

```
function typeValidation(variable, type) {
  return typeof variable === type
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
Find the Integral

JavaScript:

```
function integrate(coefficient, exponent) {
  exponent++;
  return (coefficient/exponent) + "x^" + exponent;
}
```

- 6 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;
}
```

- 6 years ago
- Refactor
- Discuss

8 kyu
No Loops 2 - You only need one

JavaScript:

```
function check(a,x){
  return a.indexOf(x) > -1;
};
```

- 6 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];
}
```

- 6 years ago
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- 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
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- 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);
}
```

- 6 years ago
- Refactor

- Discuss

8 kyu
Get Nth Even Number

JavaScript:

```
function nthEven(n){
  return (n-1)*2;
}
```

- 6 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;
}
```

- 6 years ago
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- 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]];
}
```

- 6 years ago
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Retired
Get list sum recursively

JavaScript:

```
function sumR(x) {
  return x.reduce((a, b) => a+b, 0);
}
```

- 6 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;
}
```

- 6 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;
}
```

- 6 years ago
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- 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);
```

- 6 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');

}
```

- 6 years ago
- Refactor
- Discuss

Retired
[Vowel Changer](#)

JavaScript:

```
function vowelChange(str, vow) {
  return str.replace(/[aeiou]/g, vow);
}
```

- 6 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));
}
```

- 6 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);
};
```

- 6 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;
}
```

- 6 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;
}
```

- 6 years ago
- Refactor
- 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);
}
```

- 6 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;
}
```

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- 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;
}
```

- 6 years ago
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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
- Refactor

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;
  });
}
```

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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
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- 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;

}
```

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7 kyu
You're a square!

JavaScript:

```
var isSquare = function(n){
  return (Math.sqrt(n) % 1 == 0);
}
```

- 6 years ago
- Refactor

```
var isSquare = function(n){
  if (Math.sqrt(n) % 1 == 0) return true;
  return false;; // fix me
}
```

- 6 years ago
- Refactor
- 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;
}
```

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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;
}
```

- 6 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;
}
```

- 6 years ago
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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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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);
}
```

- 6 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
}
```

- 6 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
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- 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];
}
```

- 6 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();
}
```

- 6 years ago
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- 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
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- 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
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- 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;
}
```

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- 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
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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

Retired
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
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- Discuss

Ruby:

```
def generateHashtag str
  retorno = (str.gsub /\ +/, ' ').split(" ").map {|palavra| palavra.capitalize}.join("")

  return false if retorno.length >=139 or retorno == "";
  "#" + retorno;
end
```

- 6 years ago
- Refactor
- Discuss

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 = 9999999999999999999;
  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
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- 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
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- 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
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- 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
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- 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;
}
```

- 6 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
```

- 4 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
```

- 4 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
```

- 4 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
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- 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;
}
```

- 2 years ago
- Refactor
- Discuss

Retired

Is the calculation true?

Ruby:

```
def calculate a, operation, b, result
  return ((eval "#{a} #{operation} #{b}").to_i == result)
end
```

- 2 years 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];
}
```

- 2 years 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
```

- 17 months ago
- Refactor
- Discuss