

Functions

DEADLINE: 24/10/2020

FOLDER STRUCTURE

```
FL14_HW11/*  
└─ homework/*  
    └─ index.html*  
    └─ index.js*  
    └─ .eslintrc.js
```

* - required

TASK

Task #1

Write a function - *isEqual*s

It should accept two arguments and returns **true** if first one value equals second one or **false** otherwise.

Tip: no need for if/else clause nor ternary operator

For example:

```
isEqual(3, 3) // => false
```

Task #2

Write a function - *numberToString*

It should accept one argument as a number and return it as a string

Tip: Don't worry about incoming number – it's always valid

For example:

```
numberToString(1258) // => '1258'
```

Task #3

Write a function - *storeNames*

It should accept an **arbitrary** number of strings and return an array of that strings

For example:

```
storeNames('Tommy Shelby', 'Ragnar Lodbrok', 'Tom Hardy')  
// => ['Tommy Shelby', 'Ragnar Lodbrok', 'Tom Hardy']
```

Task #4

Write a function - *getDivision*

It should accept two arguments as numbers and return their division. But the function *never returns a value smaller than 1*. If second parameter is greater than first one, function will change their order.

Tip: consider reusing *isBigger* function

For example:

```
getDivision(4, 1) // => 4
getDivision(2, 8) // => 4
```

Task #5

Write a function - *negativeCount*

It should accept an array of numbers and return the count of negative values from the array.

For example:

```
negativeCount([4, 3, 2, 9]) // => 0
negativeCount([0, -3, 5, 7]) // => 1
```

Task #6

Write a function – *letterCount*

It accepts two string arguments and returns an integer of the count of occurrences the 2nd argument is found in the first one.

If no occurrences can be found, a count of 0 should be returned.

For example:

```
letterCount("Marry", "r") // => 2
letterCount("Barney", "y") // => 1
letterCount("", "z") // => 0
```

Task #7

Our basketball team (**x** – our team) completed the championship. The result of each match look like "**x:y**".

Results of all matches are recorded in the collection like this: ["95:74", "107:107", "99:110", ...]

Write a function – *countPoints*

It should accept a collection of football games scores and count the points of our team in the championship.

Rules for counting points for each match:

- if $x > y$ - 3 points
- if $x < y$ - 0 point
- if $x = y$ - 1 point

Tip: there are 8 matches in the championship

- $0 \leq x \leq 4$
- $0 \leq y \leq 4$
- Consider reusing of *isBigger* function

For example:

```
countPoints(['100:90', '110:98', '100:100', '95:46', '54:90', '99:44', '90:90', '111:100']) // => 17
```

RESTRICTIONS

- Usage of **Math** object is forbidden;

BEFORE SUBMIT

- Remove all unnecessary files that you might have included by mistake
- Verify that all functionality is implemented according to requirements
- Make sure your code is well-formatted, and validated via validator (w3org Markup Validation Service)
- Add comments if the code is difficult to understand
- Fix warnings/errors in the browser console
- Verify that the name of the folders and files meet the requirements
- Make sure there are no errors/warnings in the browser console
- Run the linter and fix all warnings and errors.

HOW TO

Use linter :

- In order to use npm package manager you should install nodejs (<https://nodejs.org/>)
 - Install eslint to check your code (npm install -g eslint)
 - open a terminal(or cmd)
 - run eslint (i.e. eslint ./js/task1.js)
- Code should be without 'errors'

SUBMIT

The folder should be uploaded to gitlab repository '**FL-14**' into **master** branch