**Functions**

**DEADLINE:** 10/03/2023, 18:00

**FOLDER STRUCTURE**

|  |  |
| --- | --- |
| COE1\_HW5/\*  └─ homework/\*  └─ index.html\*  └─ index.js\*  └─ .eslintrc.js | \* ­­­- required |

**TASK**

**Task #1**

Write a function - *isEquals*

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**:

isEquals(3, 3) // => true

**Task #2**

Write a function - *isBigger*

It should accept two arguments and returns **true** if first one has **greater** value than second one or false otherwise.   
**Tip:** no need for if/else clause nor ternary operator

**For example**:

isBigger(5, -1) // => true

**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 - *getDifference*

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

For example:

getDifference(5, 3) // => 2

getDifference(5, 8) // => 3

**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("Barny", "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

**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 you 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 ./ index.js)

Code should be without ‘errors’

## SUBMIT

The folder should be uploaded to gitlab repository '**COE-1**' into **main** branch