**Data types**

**DEADLINE:** 02/05/2022

## FOLDER STRUCTURE

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| --- | --- |
| FL19\_HW8/ [\*]  ├─ task [\*\*]  ├─ homework/ [\*]  ├─ index.html [\*]  └─ app.js [\*] | [\***]  - required**  **[\*\*] - restricted (no need to submit)** |

## TASK

Write all tasks inside app.js file.

1. Write a JavaScript function that extracts the number from currency string. You need to use BigInt data type for numbers which digits length is longer than 16 symbols.

**extractCurrencyValue**('120 USD') // 120

**extractCurrencyValue**('1283948234720742 EUR') // 1283948234720742n

1. Write function, which cleans the object from properties with falsy values.

let obj = {

name: 'Ann',

age: 16,

hobbies: undefined,

degree: null,

isChild: false,

isTeen: true,

isAdult: false

};

**clearObject**(obj); // { name: 'Ann', age: 16, isTeen: true }

1. Write function, which returns an unique identifier for parameter.

**getUnique('Test');** // Symbol('Test')

4. Write function, which count amount of days, weeks and months between two days.

**countBetweenTwoDays**('03/22/22', '05/25/22');

// The difference between dates is: 64 day(-s), 9 week(-s), 2 month(-s)

5. Write function, which filter array of duplicates in 2 ways: using Set / not using Set.

**filterArray**([1, 2, 2, 4, 5, 5, 5, 6, 6, 7, 7, 8, 8, 8, 9]) // [1, 2, 3, 4, 5, 6, 7, 8, 9]

## RESTRICTIONS

## Using any external libraries

## BEFORE SUBMIT

* Code should be clean, readable, and tested

## SUBMIT

* The folder should be uploaded to gitlab repository “**FL-19**” into **main** branch

## USEFUL LINKS

* https://developer.mozilla.org/uk/docs/Web/JavaScript/Reference/Global\_Objects/Date
* https://developer.mozilla.org/uk/docs/Web/JavaScript/Reference/Global\_Objects/Array
* https://developer.mozilla.org/uk/docs/Web/JavaScript/Reference/Global\_Objects/Object
* https://developer.mozilla.org/ru/docs/Web/JavaScript/Reference/Global\_Objects/BigInt
* https://developer.mozilla.org/ru/docs/Web/JavaScript/Reference/Global\_Objects/Symbol