

# Data types

**DEADLINE:** 02/05/2022

## FOLDER STRUCTURE

```
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
```

2. 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 }
```

3. 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/Date)
- [https://developer.mozilla.org/uk/docs/Web/JavaScript/Reference/Global\\_Objects/Array](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/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/BigInt)
- [https://developer.mozilla.org/ru/docs/Web/JavaScript/Reference/Global\\_Objects/Symbol](https://developer.mozilla.org/ru/docs/Web/JavaScript/Reference/Global_Objects/Symbol)