Data types

**DEADLINE:** 28/08/2018

## FOLDER STRUCTURE

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| --- | --- |
| FE\_9\_9\_homework\_data-types/\*     └─ task/      └─ FE\_9\_9\_homework\_data-types.docx  └─ homework/\*  └─ index.html\*  └─ index.js\* | \* ­­­- required |

## TASK

Write all tasks inside index.js file

1. Write function, which returns type of passed parameter.

findType(‘number’) // returns “string”

findType(null) // returns “object”

2. Write function, which iterates over array and executes function on each element.

forEach([2,5,8], function(el) { console.log(el) }) // returns 2 5 8

3. Write function, which returns transformed array based on function, which passed as a parameter. Reuse function from task 2.

map([2, 5, 8], function(el) { return el + 3 }) // returns [5, 8, 11]

4. Write function, which returns filtered array based on function, which passed as a parameter. Reuse function from task 2.

filter([2, 5, 8], function(el) { return el > 3 }) // returns [5, 8]

5. Write function, which returns array of names of people, who are over 18 and their favorite fruit is apple. Reuse functions from task 4 and 3.

//See input data example in CODE section

getAdultAppleLovers(data) // returns [‘Stein’]

6. Write function, which returns array of keys of an object.

keys({keyOne: 1, keyTwo: 2, keyThree: 3}) // returns [“keyOne”, “keyTwo”, “keyThree”]

7. Write function, which returns array of values of an object.

values({keyOne: 1, keyTwo: 2, keyThree: 3}) // returns [1, 2, 3]

8. Write function, which returns formatted date.

showFormattedDate(new Date('2018-08-27T01:10:00')) // returns ‘It is 27 of Aug, 2018’

// every month should be showed as 3 letters (e.g. Feb, Apr or Dec)

## RESTRICTIONS

* Using any built–in array or object methods(besides push)
* Using any external libraries

## CODE

Input data for task 5.

[

{

"\_id": "5b5e3168c6bf40f2c1235cd6",

"index": 0,

"age": 39,

"eyeColor": "green",

"name": "Stein",

"favoriteFruit": "apple"

},

{

"\_id": "5b5e3168e328c0d72e4f27d8",

"index": 1,

"age": 38,

"eyeColor": "blue",

"name": "Cortez",

"favoriteFruit": "strawberry"

},

{

"\_id": "5b5e3168cc79132b631c666a",

"index": 2,

"age": 2,

"eyeColor": "blue",

"name": "Suzette",

"favoriteFruit": "apple"

},

{

"\_id": "5b5e31682093adcc6cd0dde5",

"index": 3,

"age": 17,

"eyeColor": "green",

"name": "Weiss",

"favoriteFruit": "banana"

}

]

## BEFORE SUBMIT

* Code should be clean, readable, and tested
* There should be no unnecessary comments

## SUBMIT

* The folder should be uploaded to github repository ‘**fl-9**’ into **master** 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/prototype>
* <https://developer.mozilla.org/uk/docs/Web/JavaScript/Reference/Global_Objects/Object/prototype>