



UNIVERSITAT
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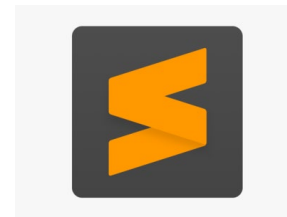
Problems



GitHub



YEOMAN



1º Problem

Problem:

- ☐ You are building a web page that displays contact information to users.
- ☐ Contacts must be:
 - ☐ Sorted by last name
 - ☐ filtered to remove any contacts without a phone number
 - ☐ it's possible that contacts may have been added twice so only unique contact numbers should be shown
 - ☐ Numbers must be formatted like (xxx)xxx-xxxx.

Input Data:

```
[{
  firstName: 'Lenin',
  midleName: 'Guillermo',
  lastName: 'Lemus',
  phone: '629636209'
}, {
  firstName: 'Miguel',
  midleName: 'Angel',
  lastName: 'Mateo',
  phone: '620000001 '
}, {
  firstName: 'John',
  lastName: 'Doe',
  phone: '620000010 '
}, {
  firstName: 'John',
  lastName: 'Doe',
  phone: '620000010 '
}, {
  firstName: 'John',
  lastName: 'Doe',
  phone: '620000010 '
}, {
  firstName: 'María',
  midleName: 'Begoña',
  lastName: 'Saiz',
  phone: '620000020'
}]
```

2º Problem

Problem:

- ❑ You are building a web page that displays blogposts. It is desired to sort the blog posts descending by date. That means the latest blog post is listed first. Important: `_.sortBy()` sorts the array ascending, so I flip the whole array directly after the sort function is done using a `.reverse()`

Input Data:

```
[{  
  "date": "2016-10-26 13:37:00",  
  "title": "Blog-Post 3"  
}, {  
  "date": "2016-10-24 12:17:21",  
  "title": "Blog-Post 1"  
}, {  
  "date": "2016-10-24 12:17:40",  
  "title": "Blog-Post 2"  
}]
```

<https://thomaskekeisen.de/en/blog/array-date-sort-lodash-momentjs/>

3^o Problem

Problem:

- ❑ You are building a web page that displays blogposts. It is desired to sort the blog posts descending by date. That means the latest blog post is listed first. Important `_.sortBy()` sorts the array ascending, so I flip the whole array directly after the sort function is done using a `.reverse()`

JS Solution03a.js x

```
1  var _ = require('lodash');
2  var moment = require('moment');
3  var MyBlogPosts = require('../data/blogPosts');
4
5  const functionOrder = o => {
6    return new moment(o.date).format('YYYYMMDD hh:mm:ss');
7  }
8  var orderedBlogPosts = _.orderBy(MyBlogPosts, functionOrder)
9    .reverse();
10
11 console.log(orderedBlogPosts);
```

4º Problem

Problem:

- ☐ You are building a web page that displays articles information.
 - ☐ You are given the links to 4 articles. Using [Mendeley](#) you have to obtain its bibtex data
 - ☐ Once you have obtained the input data you have to write a program to write the info in [BibJSON](#) format.
 - ☐ Once written in bibtex format the data must be presented in APA format

Input Data:

Articles:

1. <http://dx.doi.org/10.3390/en11123347>
2. <https://onlinelibrary.wiley.com/doi/abs/10.1111/sjop.12372>
3. <http://dx.doi.org/10.3390/en10091328>
4. <https://doi.org/10.1002/cae.21633>