



Coding Challenge

Please provide a module that reads in a list of employees' leave and returns the employees in alphabetical order along with the total number of days of leave taken.

- The module must export a plain function that takes a filename as its input parameter, and gives a list of employees. Each employee has a `name` property, and a `total` property.
- The file will be lines of employee's names and the dates they took leave, with comments. For example:

```
Ben 20180320 20180327  
  
Kieran 20180519 20180630  
  
Ben 20180621 20180621  
  
// This is a comment and should be ignored.
```

- The module does not have to consider weekends, public holidays, etc.
- The module must be written in plain Javascript, with no dependencies.
- Testing dependencies are allowed.
- No synchronous IO/blocking functions are to be used.
- The module will be run through a test harness to see if it works correctly.

Please provide relevant source code of your implementation and any documentation and assumptions that you feel are appropriate.

- The intent of this challenge is to provide us an opportunity to judge your problem solving, design and development skills.
- It is important to provide a solution that highlights your skills in these areas.
- We're looking for **simplicity** and **testing**. It is recommended that no more than 4 – 8 hours is spent on the problem, as a sufficient working solution can be achieved in that time period.
- Please include a copy of this document with your solution.

Submissions can be made via:

- GitHub
- BitBucket
- Dropbox
- Google Drive