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CS454 / Week03 / homework.md



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Week 3 Homework - Due 10/19/15 at 11:59pm

Create a Node.js Command Line App that interacts with the Numbers API to make requests and receive responses in **JSON**. Your app should have a cli.js, app.js and a package.json and optionally a node_modules folder.

<http://numbersapi.com/>

Guidelines

1. Implement a help option.
`node cli.js --help`
2. Implement the command that allows you to get a Math Fact and prints it to the terminal.
`node cli.js --math 1729`
math: 1729 is the smallest natural number representable in two different ways as a sum of two positive cubes, as Ramanujan stated on the spot.
3. Implement the command that allows you to get a Trivia Fact and prints it to the terminal.
`node cli.js --trivia 35000`
trivia: 35000 is the number of genes in a human being.
4. Implement the command that allows you to get a Date Fact or Year Fact depending on how the argument passed (01/30 versus 2010) and prints it to the terminal.
`node cli.js --date 01/30 // returns date fact`
date: January 31st is the day in 1990 that the first McDonald's in the Soviet Union opens in Moscow.

`node cli.js --date 1501 // returns year fact`
year: 1501 is the year that Michelangelo returns to his native Florence to begin work on the statue David.
5. The app should allow a user to save the facts as a .json file by passing a save flag. The save flag is optional and should be compatible with the above commands.
 - The saved entry should append the date it was saved to the fact object.
 - The saved file should be valid JSON.

*IF the file is not created then the save flag will create the file and save the fact.

*IF the file already exists it will add the fact to JSON inside the file. All other facts inside the file will still be present.

```
node cli.js --trivia 35000 --save
```

```
facts.json
[
  {
```

```
"text": "35000 is the number of genes in a human being.",
"number": 35000,
"found": true,
"type": "trivia",
"saved": "Fri Oct 09 2015 17:53:04 GMT-0700 (PDT)"
},
{
  "text": "1501 is the year that Michelangelo returns to his native Florence to begin work on the statue David.",
  "number": 1501,
  "found": true,
  "type": "year",
  "saved": "Sun Oct 11 2015 15:25:19 GMT-0700 (PDT)"
}
]
```

