**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 clis.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 Trvia 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 tthe 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.

1. 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 appended 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)"

}

]