NPM - Node Package Manager

Commands

- Where to find NPM - https://www.npmjs.com/
- install module(s)
    - `npm install -g <module-name>` installs module globally
    - `npm install --save <module-name>` installs module for the app in the directory where you issue this command and saves the module name and version in the package.json file
    - `npm install --save-dev <module-name>` same as above except it is saved as a development dependency and won't get installed in production
    - `npm install` installs the group of modules listed in the dependencies sections of the package.json.

- create a package.json file (choose *one* of the following options)
    - `npm init` allows you to enter your values
    - `npm init -y` accepts all default values

- `echo node_modules >> .gitignore` Prevent node_modules from being added to source control
- `npm -h` help
- `npm -v` see current version of npm
- `npm start` runs your app. Runs the start script in your package.json
- `npm test` runs your tests. Runs the test script in your package.json

Sample package.json file

```json
{
  "name": "my-app",
  "version": "1.0.0",
  "main": "server.js", //the main entry point for your app
  "license": "MIT",
  "scripts": {
    "start": "node server.js", //the command that is run when npm start is run
    "test": "mocha" //the command that is run when npm test is run
  },
  "keywords": [],
  "author": "",
  "description": "",
  "dependencies": { //the modules that are installed when npm install is run
    "body-parser": "^1.15.2",
    "cookie-parser": "^1.4.3",
    "express": "^4.14.0",
    "knex": "^0.12.6",
    "pg": "^6.1.0"
  },
  "devDependencies": { //the additional modules that are installed when npm install is run on a dev machine
    "chai": "^3.5.0",
    "mocha": "^3.2.0",
    "supertest": "^2.0.1"
  }
}
```