**Assignment Day 1**

**Please read the whole file before starting to code.**

Create a to-do list cli that contains the following commands :

**1 - Users can add entry,**

Example

node index.js add “To do entry”

Notes:

The entry should contain an incremental id

**2 - Users Can list Entries**

-  All entries:

node index.js list

**3 - Users can edit their entry through the id**

* Make individual edits

Examples

            node index.js edit 123 “Edited title”

===> will edit entry with id  123  to be “Edited title”

**4 - Users can delete their entry using their id**

Example

node index.js delete 123

**Bouns:**

1 - Entries is added by default with status property which has “to-do” value

2 - edit

Users can mark their entry as done by id

Options :

    -s/--status one of the values [“to-do”,”in progress”,”done”]

            Examples:

 node index.js edit -s “done” -t “Edited title” --id 123

Note:

In this case user should specify -t or -s or both

3 - list:

     - Specific status using -s -- status

Options:

-s/--status  one of the values [“to-do”,  “in progress” ,”done”] (optional parameter)

Example:

node index.js list -s “done”

**Notes:**

* Please make sure that you seperate your logic in functions
* Make the names of your functions and variables are expressive of what they are
* Start by defining each functionality and the steps you should make to achieve it
* Please make sure not to pollute the global scope[refrain from using global variables]
* Before writing a function, ask yourself, is there a function in javascript that can do that, if not, write your own.
* You initialize your app with npm init to be able to use npm and download packages
* Take a minute or two to read the package.json file

**Tips:**

* If you can’t do something, search, then ask for help, this is not an exam.
* Make sure to take a few minutes to read about the commander library that you’ll be using.
* Start with implementing the required then move to the bonus

**Useful Links:**

* [npm | build amazing things](https://www.npmjs.com/)
* Nodejs [Docs](https://nodejs.org/en/docs/)
* Fs module docs [fs](https://nodejs.org/dist/latest-v12.x/docs/api/fs.html) (you will need to use the sync version of the functions)[ends with the word Sync]