WC MOCK USING NODEJS

PACKAGES USED :-

- **Npm Commander -** To create a linux like command.

- **Npm config -** To parse the config file **config\default.json.**

- **Npm node-cmd -** To execute a terminal command through node while executing tests to match results from original wc and nodewc.

- **Fs -** To read the file to do all the operation upon.

- **Jasmine -** Testing suite for the application.

USAGE :-

- **Available Options -**
    - **-c --**   count number of bytes in the specified filename
    - **-m --**   count number of chars in the specified filename
    - **-w --**   count number of words in the specified filename
    - **-l --**   count number of lines in the specified filename
    - **-L --**   count length of longest sentence in the specified filename
    - **--help -** generate a help manual regarding the command.

INSTALLATION PROCESS -
- Clone the repository "https://github.com/flash1452/Nodewc.git" from github.
- Navigate to the clone repository inside the **nodewc** folder so that your terminal is inside **Nodewc/nodewc**.
- Execute command **npm init** or **sudo npm init**.
- Execute command **sudo npm install -g**.
- Test the module using command **sudo nodewc -l index.js. This command should run fine and display the number of words in the file index.js.**
- **If the last step shows an error - nodewc: Command not found**
    - Execute this command in your terminal -
        - **ln -s /usr/bin/nodejs /usr/local/bin/node**

HOW TO USE THE COMMAND SYNTAX :-

First, Navigate to **Nodewc/nodewc** in your terminal.

Some of the usage examples are -

- **sudo nodewc -c filename**

- **sudo nodewc -m filename**

- **sudo nodewc -w filename**

- **sudo nodewc -l filename**

- **sudo nodewc -L filename**

- **sudo nodewc --help**

- **sudo -c -l -L filename**

- **sudo nodewc filename**

TESTING SUITE:-

Jasmine has been used to match **nodewc** by executing the nodewc commands and original wc commands and matching their results.
Tests can be found under **spec** folder inside **nodewc** directory.

How To Run The Tests -

- **sudo jasmine-node spec/**