MEAN Shell

This will help you set up a MEAN shell. This is a basic MEAN app which puts and gets data from database by utilizing all the letters in MEAN (i.e. Mongo DB, Express, Angular and Node.js).

**Step by step process to set up the environment:**

Install node and npm from the following link

<https://nodejs.org/en/>

To check the npm and node version open cmd (Windows) or terminal (Mac) and type

*npm –v* //Should display the npm version

*node –v //* Should display the node version

Install mongo

<https://docs.mongodb.com/manual/installation/>

1. [Download it](https://www.mongodb.org/downloads) (Community edition)
2. Unzip it into a folder (ex. mymongodb)
3. Navigate into the directory: mymongodb/bin
4. Open cmd or terminal here and run the following command: mongod --dbpath data

**You can skip Step 1 – 4 since the shell is already there. You just need to type**

npm install

**If you are creating a MEAN app from scratch by yourself, do the first 4 steps.**

1) Go to the project folder in your terminal or cmd prompt and type

*npm init //*This will create the package.json.

2) To use express in the project we need to add express as dependency. For that type

*npm install express –save //* This will install express and add it to your package.json.

3) We need Mongoose to use Mongo DB in our application. **Mongoose** is a MongoDB ORM that will help us communicate with our MongoDB database.

*npm install mongoose –save*

4) Add body parser and method override

*npm install body-parser --save*

*npm install method-override --save*

5) Create a db using mongo shell

*mongo –-shell* // opens mongo shell

*use <dbname>* // creates a db in mongo with the name <dbname>

for this app let dbname be *sample*

6) Start mongod by below in cmd or terminal

mongod // this will start the mongo server.

// App will work only when the mongo server is running

7) Start the app by typing below in cmd or terminal

node server.js // will start the node server

8) Then go to <http://localhost:8080> . You can view the mean stack website.

Some useful links to get started with MEAN stack:

<https://scotch.io/tutorials/setting-up-a-mean-stack-single-page-application>

<https://modernweb.com/mean-stack-a-quick-start-guide/>

This is a course on Lynda. Lynda is free with NEU credentials

<https://www.lynda.com/Express-js-tutorials/MEAN-Stack-MongoDB-Development-Techniques/440962-2.html?org=neu.edu>