Before We Start

This document contains the installation steps for needed software and prerequisites of Bootcamp.

Following are the list of essential software needed to get started with Bootcamp. In future, we'll install more software as needed.

- Node,

- NPM or **N**ode **P**ackage **M**anager,

- Text Editor

1 Node

This is one of the fundamental software you need on your computer. The documentation specifies the steps for two operating systems - Windows and Ubuntu - as they're the popular and you might have one of these.

1.1 Node (& NPM) on Windows

If you are using Windows machine, please read this instructions.

The installation of Node on Windows is quite simple. You just need to download the `.msi` executable file of Node from it's [official website](#). After that just double click on downloaded `.msi` and follow the steps suggested by installer. At the end of this installation process you will have Node and NPM on your computer! You can confirm the installation by running following command in Windows Command Prompt.

```
> node --version
v14.3.0
> npm --version
6.14.5
```

That's it! You are good to go. Now, please do the following:

- You can have different versions than mentioned above. But, you must have `node` version greater than `10` and `npm` version greater than `6`.

- If you are facing any problem while installing any software on your computer, please communicate with me.

- Please send the confirmation email to me that you have successfully installed all software with versions and operating system (Windows/Ubuntu).

1.2   Node (& NPM) on Ubuntu

If you are using Ubuntu machine, please read this instructions.

In order to install Node on you computer, run this following command in Terminal (You need `sudo` password for installation).

```
$ sudo apt install nodejs
```

This will install Node on your computer. But, the version you will get with this installation is old. In order to update the Node on your computer, you need `npm`. This `npm` can be install on your computer using following command:

```
$ sudo apt install npm
```

This will install `npm` on your computer. Again, the `npm` that is installed on your computer is old. You need to update it. To do so, run following command.

```
$ sudo npm install -g npm
```

This will update `npm` with latest one. You can confirm the installed version of `npm` on your computer by running following command.

```
$ npm --version
6.14.5
```

Finally, you need to run following commands in Terminal to update the Node itself.

```
$ sudo npm cache clean -f
$ sudo npm install -g n
$ sudo n stable
```

This will update `Node` with latest one. You can confirm the installed version of `node` on your computer by running following command.

```
$ node --version
v14.3.0
```

That's it! You are good to go. Now, please do the following:

- You can have different versions than mentioned above. But, you must have `node` version greater than 10 and `npm` version greater than 6.

- If you are facing any problem while installing any software on your computer, please communicate with me.

- Please send the confirmation email me that you have successfully installed this software with versions and operating system (Windows/Ubuntu).

2   Text Editor

Finally, you need text-editor on your computer to do actual coding! You can use any text-editor you like, but following are some recommended text-editors that have Node support.

- Atom
- Brackets
- Sublime Text
- Visual Studio Code

We are going to use Visual Studio Code.

3   Prerequisites

This Bootcamp assumes following things about you.

- You know HTML, CSS and JavaScript.
- You know some server-side programming.
- You know how to write and run terminal commands in Terminal or Command Prompt.
- You know a little `git`.