

Note: Before proceeding make sure your internet connection is stable and you can browse the internet.

NB: If anytime during the installation process you get any one of the following errors (*Scripts cannot be executed on this system OR cannot be loaded because running scripts is disabled on this system*), run the following command: **Set-ExecutionPolicy Unrestricted -Scope CurrentUser -Force**

NB: Wait for the files of the software/package to be fully installed before proceeding to the next installation (I.e. you will see the typical command prompt/terminal window line input request, then you know the software/package installation is completed). Further, after installing the software/packages below, restart your command prompt and/or terminal window, if when checking the version of the installation, post-installation does not work.

Make sure you are running the command prompt or terminal window (visual studio code) as administrator before proceeding.

NB: Unless given a specific version to install (see upgrade node as an example below), you select the latest version to install.

Make sure node is installed

1. **node -v**
2. **npm -v**

If not, go to the [node.js website](https://nodejs.org/) and install (as discussed in the lectures)

Make sure TypeScript is installed

1. **tsc -v** (use the command prompt to check the version and not the terminal window (visual studio code))
2. If not, type in the command prompt or terminal window (as discussed in the lectures): **npm install -g typescript**

Make sure the Angular CLI is installed

1. **ng --version** (use the command prompt to check the version and not the terminal window (visual studio code))
2. If not, type in the command prompt or terminal window (as discussed in the lectures): **npm install -g @angular/cli**

Make sure the Ionic CLI is installed

1. **ionic --version** (use the command prompt to check the version and not the terminal window (visual studio code))
2. If not, type in the command prompt or terminal window (as discussed in the lectures): **npm install -g ionic**

Upgrade NPM (Not required, but recommended - as discussed in the lectures)

1. type: **npm install -g npm-windows-upgrade**
2. type: **npm-windows-upgrade** (select the highest one e.g. 8.9.0)

Upgrade node on windows (Not required, but recommended - as discussed in the lectures)

1. Go to this site: **<https://github.com/coreybutler/nvm-windows/releases>**
2. Download the **nvm-setup.zip** file, then **Unzip** and **Install** it.
3. type: **nvm version** (to ensure nvm is installed)
4. type: **nvm install 16.14.2**
5. type: **nvm use 16.14.2**

Add Angular Flex-Layout

1. **npm install @angular/flex-layout**

NB: On Test day, you must run '**npm install**' as per usual to install the software/packages that form part of the Section. If the **npm install** hangs at a particular section during installation in the command prompt/terminal window (for whatever reason), for example, 3 mins, and your internet connection is stable and working, then restart the command prompt/terminal window and run the **npm install** command again.