Setup the Development Environment

1. Install NodeJS & NPM
The first step is to install NodeJS and npm. We're only interested in npm but it depends on NodeJS and ships with it.
Follow these steps:
1. Go to https://nodejs.org/en/ and download it for your OS
2. Install NodeJS with the downloaded installer
3. After installing NodeJS open a terminal window and type "sudo npm install npm –g" (without "") ➜ More instructions on this page: https://docs.npmjs.com/getting-started/installing-node

Important: Don't use 'sudo' on windows. Simply run 'npm install npm –g'.
Now you should have a working NodeJS installation and the most recent version of npm on your machine.
Type "npm –v" in your terminal/ console to check which version of npm you have. If you get errors at this point something went wrong.

Your need npm to be able to do anything in this course!

2. Install TypeScript
After installing npm, the next step is to install the TypeScript compiler on your system.
You may visit http://www.typescriptlang.org/ if you have any problems, but in general you just install it by typing "**npm install –g typescript**" in your terminal/ console.

This should run without errors (and it only works if npm is installed on your machine!).

Now you have the TypeScript compiler available on your machine.

3a. Setup Option 1 (currently only available on Mac)
The first possibility to get started with your workspace is to simply download the "workspace-full.zip" attached to this video. Just extract it into your preferred development location, possibly rename it and open up a terminal window.

In the terminal, navigate into this extracted folder and run '**npm start**'. This should create a new browser tab and show you the Hello World page.
Keep the terminal window open to make sure this process is not interrupted.
You're good to go now and can get started with developing awesome Angular 2 apps!

3b. Setup Option 2
If you want the complete installation experience and possibly play around with the config files you may either download the attach zip file 'workspace-manual-installation.zip' or clone my boilerplate repo from https://github.com/mschwarzmueller/angular-2-beta-boilerplate

Either way, in the newly created folder you have to first run '**npm install**'.
The installation might show some errors while running, but that only means that some packages need to be recompiled. In the end it should finish without showing an error.

The final step is to run 'npm start' to start the live server (which also automatically updates the browser tab if you change content) and the gulp watcher which will compile your TypeScript and SCSS files.
Keep the terminal window open to make sure this process is not interrupted.

You should now see the Hello World page. Reload it once if it is showing 'Loading...' at the first start (files might not have finished compilation in time).