**Angular 2 Workshop Setup Instructions**

**Following are the steps for installation of Angular 2 related software on Windows systems.**

Please read the complete instructions and **follow exactly as per the instruction and install exactly in the mentioned folders.**

**Note:    <Drive>:  mentioned below is C: or D: or E: or F: etc. wherever space is available for installation.**

1. Install Node.js v6.9.5 32 Bit or 64 Bit depending on your system type. **Admin privilege is required.**
   1. <https://nodejs.org/dist/v6.9.5/node-v6.9.5-x86.msi> [ 32 Bit Installer ]

**(OR)**

* 1. <https://nodejs.org/dist/v6.9.5/node-v6.9.5-x64.msi> [ 64 Bit Installer ]

1. Install Microsoft Visual Studio Code from <https://code.visualstudio.com>
2. Install the latest version of **Google Chrome**.
3. You can create a folder **angular2\_workshop** under **<Drive>:\**
4. Download[**https://github.com/angular/quickstart/archive/master.zip**](https://github.com/angular/quickstart/archive/master.zip) and copy or move it under **<Drive>:\angular2\_workshop**
5. Extract the above downloaded master.zip under **<Drive>:\angular2\_workshop.**

A directory **quickstart-master** with files and sub-folders would have got created.

1. Goto “**Node.js command prompt**” **[ Administrator Mode ]**. (**Use  the shortcut** present under the “Node.js” traversed through “Start | All Programs”.
   1. Change directory to **<Drive>:\angular2\_workshop\quickstart-master**
2. **IMPORTANT NOTE:** This step is required only if you are installing behind Wipro proxy. **Otherwise, do not issue the below commands.**

If behind Wipro proxy, Configuring proxy for node.js is important using npm config. Only if **proxy** is configured, “npm  install” will work properly.

* **npm config set proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://ADUserID:ADpassword@proxyname:port)
* **npm config set https-proxy**[**http://ADUserID:ADpassword@proxyname:port**](http://LDAP-ADUserID:LDAP-ADpassword@proxyname:port)

If the ADpassword contains special characters like @#$% etc., refer the link <http://www.w3schools.com/tags/ref_urlencode.asp> to mention the character in encoded form. For example, if **@** is present in password, it should be mentioned as **%40**

* **IMPORTANT (OPTIONAL STEP – NOT A REGULAR ONE) :** In case, you have already set the proxy config wrongly and want to run the remaining commands from Direct Connection To Internet, then to delete the proxy configuration, execute the following commands.
  + **npm config delete proxy**
  + **npm config delete https-proxy**

1. **Ensure** you are in the directory **<Drive>:\angular2\_workshop\quickstart-master** in Node.js command prompt **[ Administrator Mode ]**.

Run the following commands

[**Note:** Do not copy paste the command from this Word document. Type the command manually].

npm cache clean [ **Preferred** Optional Step -> To do a clean npm install ].

npm install

1. **Optional:** Creating “app.zip” – Take a backup of the “app” folder present in **<Drive>:\angular2\_workshop\quickstart-master** and store it safely so that you can use it as a starting point for any demo code you try.
2. All the files you create during the hands-on demo will be in **app** **or its sub-folders**.