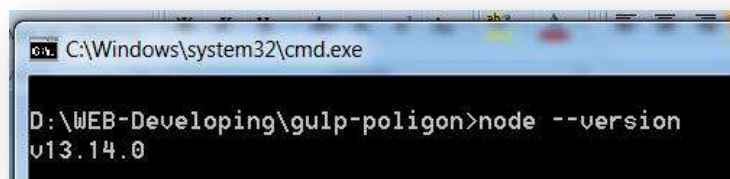# Manual

## I) Checking Node.js

Node.js should be installed on your PC.

**How to check was it installed or not?**

1) Turn into your project folder

2) Open CMD command line in that folder (Shift + Right Mouse Button -> «Open Command window here» or «Open PowerShell here» for Windows)

3) Type: node --version   (+ Enter)

4) If node.js has been already installed on your PC you will see the version of node.js you have (as at the example pic.1)
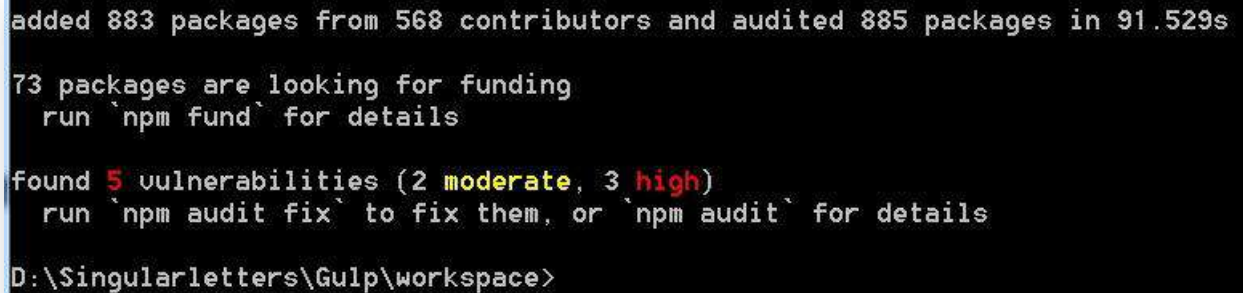


*(example pic. 1)*

5) If you haven node.js on your computer download and install it from official website or if you use Win 7 use v13.14. 0 (x64)

## II) Installation of Gulp and work process

1) Create the work folder

2) Download **workspace.zip** file (from Gulp repository) and unzip it into your work folder (you will see new folder – «workspace» and 3 files (*#src*; *gulpfile.js*; *package.json*) inside it).

3) Enter workspace folder and open CMD command line (Shift + Right Mouse Button -> «Open Command window here» or «Open PowerShell here» for Windows)

4) Enter command in CMD: npm i (That command will install plugins listed in package.json) In the end of the process you will see something like this: (as at the example pic.2)

As a result you will see two new files: *node_modules* folde*r* and *package-lock.json*
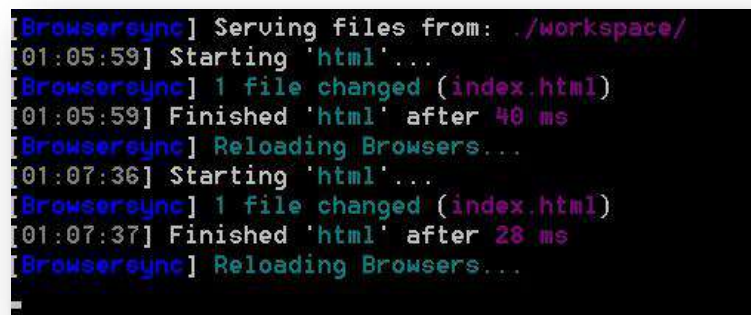
```
added 883 packages from 568 contributors and audited 885 packages in 91.529s

73 packages are looking for funding
  run `npm fund` for details

found 5 vulnerabilities (2 moderate, 3 high)
  run `npm audit fix` to fix them, or `npm audit` for details

D:\Singularletters\Gulp\workspace>
```

*(example pic.2)*

5) Enter command in CMD: gulp (That command will create subfolder for your release project) as a result new tab with url «http://localhost:3000/» will be opened in the new window.

6) Work in "workspace/#src" folder - your code will appear in "workpace/workspace" folder. So, make some changes in workspace/#src/index.html and save it (ctrl + c) - you will see that changes in workspace/workspace/index.html - automatically.

7) The history of your changes will be written in the in the CMD (as at the example pic.3) You could stop Gulp if you enter Ctrl + C in CMD.

```
[Browsersync] Serving files from: ./workspace/
[01:05:59] Starting 'html'...
[Browsersync] 1 file changed (index.html)
[01:05:59] Finished 'html' after 40 ms
[Browsersync] Reloading Browsers...
[01:07:36] Starting 'html'...
[Browsersync] 1 file changed (index.html)
[01:07:37] Finished 'html' after 28 ms
[Browsersync] Reloading Browsers...
```

*(example pic.3)*