

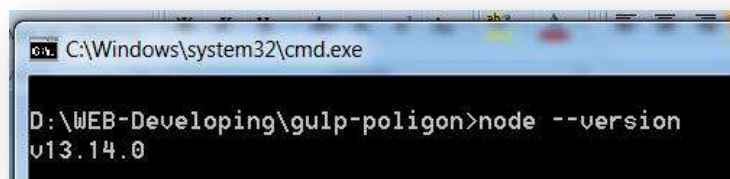
# Manual

## 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)*

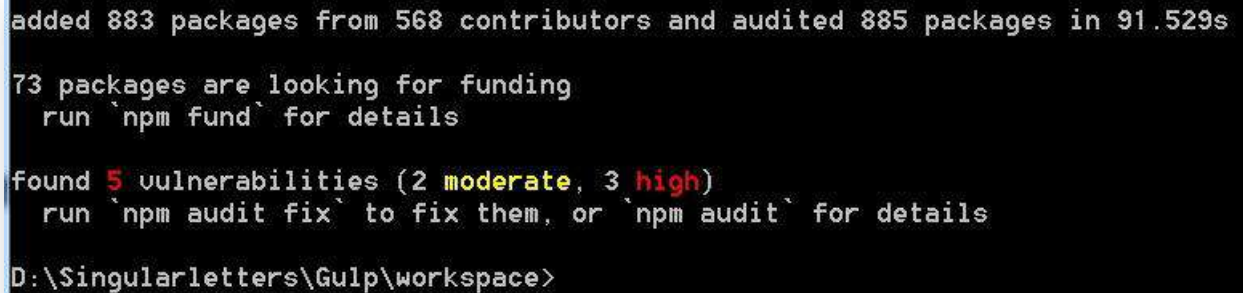
- 5) If you haven't node.js on your computer, download and install it from [official website](#) or if you use Win 7 use [v13.14.0 \(x64\)](#)

## 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 a 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` folder and `package-lock.json`

A terminal window with a black background and white text. The text shows the output of an npm audit command. It states that 883 packages were added from 568 contributors and 885 packages were audited in 91.529s. It then says 73 packages are looking for funding and suggests running 'npm fund' for details. Next, it reports finding 5 vulnerabilities (2 moderate, 3 high) and suggests running 'npm audit fix' to fix them or 'npm audit' for details. The prompt shows the current directory is D:\Singularletters\Gulp\workspace.

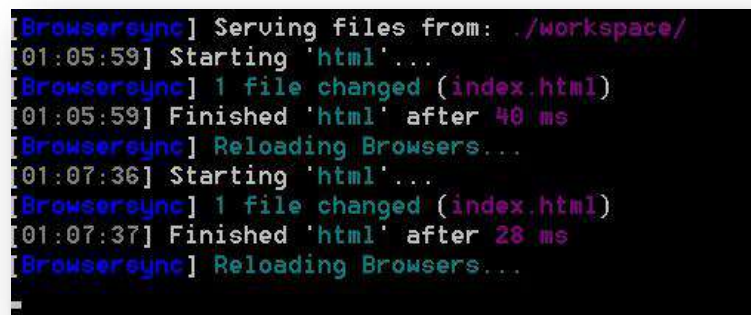
```
added 883 packages from 568 contributors and audited 885 packages in 91.529s
73 packages are looking for funding
  run `npm fund` for details
found 5 vulnerabilities (2 moderate, 3 high)
  run `npm audit fix` to fix them, or `npm audit` for details
D:\Singularletters\Gulp\workspace>
```

(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 "workspace/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.

A terminal window with a black background and multi-colored text (blue, green, red, yellow). The text shows the output of the BrowserSync command. It starts with 'Serving files from: ./workspace/' and then shows two cycles of file changes and reloads. The first cycle shows 'Starting html' at 01:05:59, '1 file changed (index.html)', 'Finished html after 40 ms', and 'Reloading Browsers...'. The second cycle shows 'Starting html' at 01:07:36, '1 file changed (index.html)', 'Finished html after 28 ms', and 'Reloading Browsers...'.

```
[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)