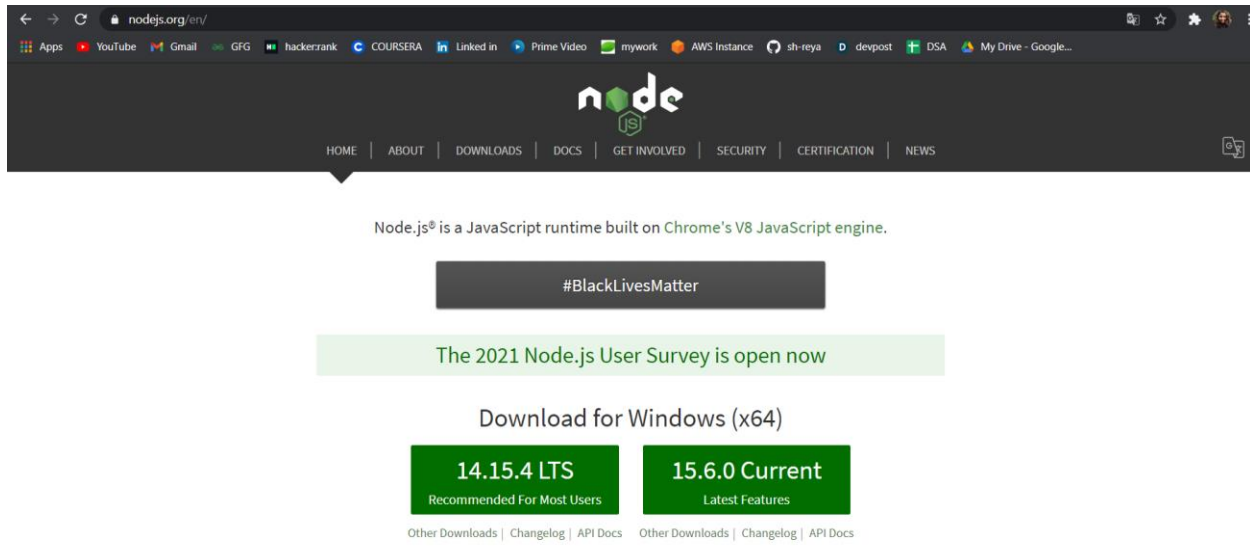# Setting up the environment:

1. Go to nodejs.org and download the latest version for your browser.

2. After downloading, check the version.

```
C:\Users\lenovo>node -v
v15.6.0

C:\Users\lenovo>npm -v
npm notice
npm notice New patch version of npm available! 7.4.0 -> 7.4.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v7.4.3
npm notice Run npm install -g npm@7.4.3 to update!
npm notice
7.4.0
```

Creating package.json file

```
C:\Users\lenovo>cd Desktop

C:\Users\lenovo\Desktop>cd "WebDev Using REACT"

C:\Users\lenovo\Desktop\WebDev Using REACT>npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
```

```
package name: (webdev-using react) gitest
version: (1.0.0)
description: Testing git and Node
entry point: (index.js) index.html
test command:
git repository:
keywords:
author: Shreya
license: (ISC)
About to write to C:\Users\lenovo\Desktop\WebDev Using REACT\package.json:

{
  "name": "gitest",
  "version": "1.0.0",
  "description": "Testing git and Node",
  "main": "index.html",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Shreya",
  "license": "ISC"
}


Is this OK? (yes)

C:\Users\lenovo\Desktop\WebDev Using REACT>
```
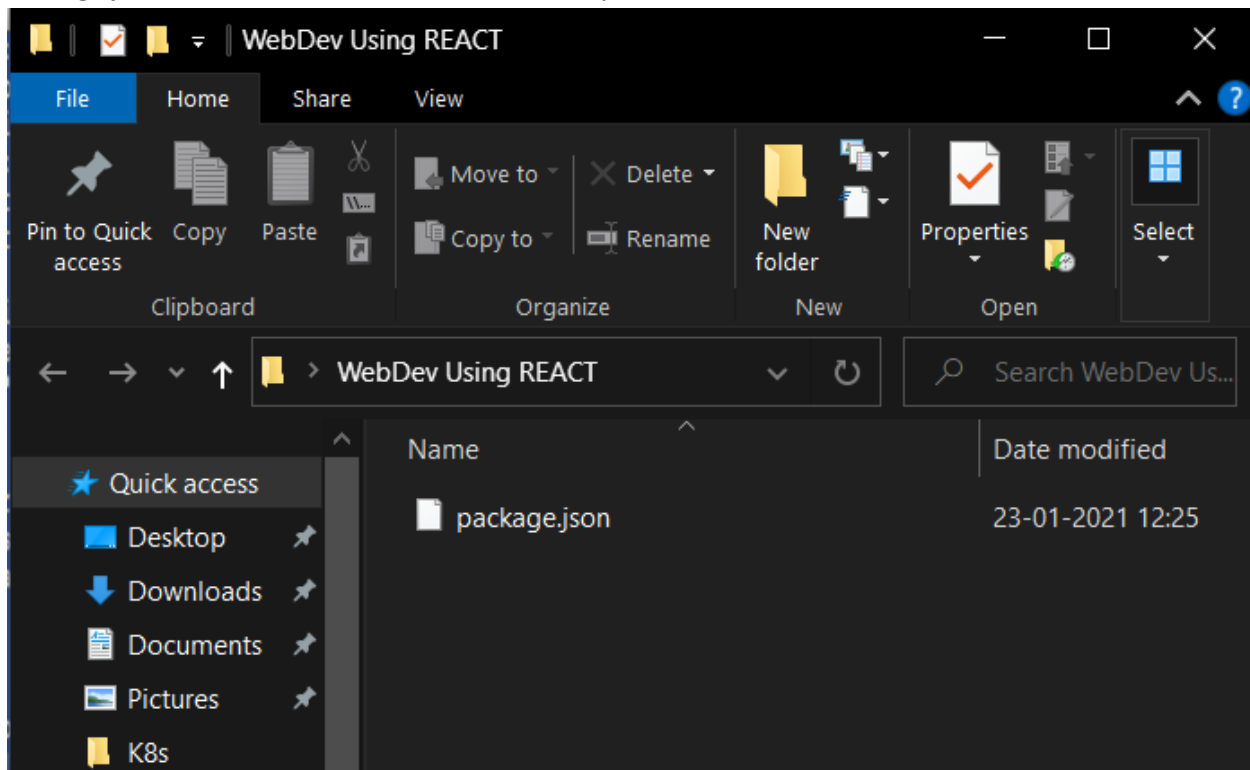
Package is successfully created.

Package.json file is created in the desired directory.

Contents of package.json file:

```json
{
  "name": "gitest",
  "version": "1.0.0",
  "description": "Testing git and Node",
  "main": "index.html",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "Shreya",
  "license": "ISC"
}
```

Installing server-lite to make our web development visible on browser in real time:

```
C:\Users\lenovo\Desktop\WebDev Using REACT>npm install lite-server --save-dev

added 205 packages, and audited 206 packages in 2m

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

found 0 vulnerabilities

C:\Users\lenovo\Desktop\WebDev Using REACT>
```

The contents of package.json file shows lite-server now.

```
 1  {
 2    "name": "gitest",
 3    "version": "1.0.0",
 4    "description": "Testing git and Node",
 5    "main": "index.html",
 6    "scripts": {
 7      "test": "echo \"Error: no test specified\" && exit 1"
 8    },
 9    "author": "Shreya",
10    "license": "ISC",
11    "devDependencies": {
12      "lite-server": "^2.6.1"
13    }
14  }
15
```

Make the following changes in line no 7 and 9

```json
package.json  ●

1  {
2    "name": "gitest",
3    "version": "1.0.0",
4    "description": "Testing git and Node",
5    "main": "index.html",
6    "scripts": {
7      "start": "npm run lite",|
8      "test": "echo \"Error: no test specified\"
9      "lite": "lite-server"
0    },
1    "author": "Shreya",
2    "license": "ISC",
3    "devDependencies": {
4      "lite-server": "^2.6.1"
5    }
6  }
7
```

After doing all the required changes, we enable the server lite using npm start.
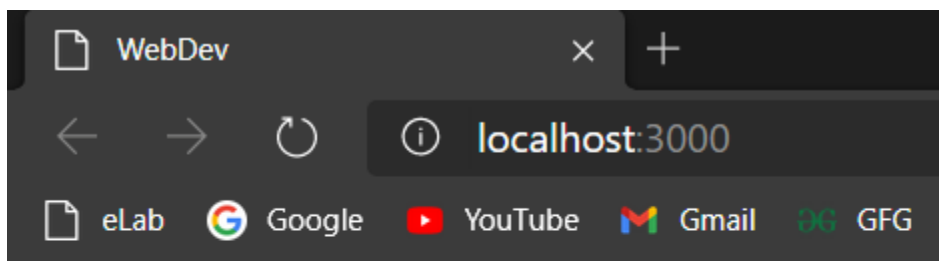
```
C:\Users\lenovo\Desktop\WebDev Using REACT>npm start

> gitest@1.0.0 start
> npm run lite


> gitest@1.0.0 lite
> lite-server

Did not detect a `bs-config.json` or `bs-config.js` override file. Using lite-server defaults...
** browser-sync config **
{
  injectChanges: false,
  files: [ './**/*.{html,htm,css,js}' ],
  watchOptions: { ignored: 'node_modules' },
  server: {
    baseDir: './',
    middleware: [ [Function (anonymous)], [Function (anonymous)] ]
  }
}
[Browsersync] Access URLs:
   --------------------------------------
        Local: http://localhost:3000
     External: http://192.168.56.1:3000
   --------------------------------------
           UI: http://localhost:3001
  UI External: http://localhost:3001
   --------------------------------------
[Browsersync] Serving files from: ./
```

The default browser opens up and the contents of the index.html is visible.

JSON One step down