## get version of NPM

**npm -v**

### Update npm to latest version

npm update npm@latest -g.

## create a new application mon-app

npx create-react-app mon-app

## start new application mon-app

cd mon-app

npm start

by default <http://localhost:3000>.

## change listening port 3000 => 3001 for example

Create new file .env in root directory.

Add content :

.env

PORT=3001

## Install additional React Libraries

### Option 1

Add content in package.json

"dependencies": {

"react": "^16.10.1",

"react-dom": "^16.10.1",

"my-new-package": "^5.1.2",

"react-scripts": "3.1.2"

},

Terminal: **l**

npm install

will download and install my-new-package in node\_modules folder

### option 2

npm i my-new-package

**npm install** my-new-package

## Create HelloWorld React Component

**HelloWorld.js**

import React from 'react';

const HelloWorld = () => {

function sayHello() {

alert('Hello, World!');

}

return (

<button onClick={sayHello}>Click me!</button>

);

};

export default HelloWorld;

**App.js**

import React from 'react';

import HelloWorld from './HelloWorld';

import './App.css';

function App() {

return (

<div className="App">

<HelloWorld />

</div>

);

}

export default App;

### Multipage Site

Use react-router-dom

Dans le repertoire du projet

npm i react-router-dom --save styled-components

### Debug react application with ReactDeveloperTools Addon in browser in INCOGNITO mode

Install ReactDeveloperTools Addon from

|  |  |
| --- | --- |
| Chrome | <https://chromewebstore.google.com/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en&pli=1> |
| Edge | <https://microsoftedge.microsoft.com/addons/detail/react-developer-tools/gpphkfbcpidddadnkolkpfckpihlkkil> |
| Firefox | <https://addons.mozilla.org/en-US/firefox/addon/react-devtools/> |

Reinstall node\_modules after checkout project for the first time :

This file is gitignored so its not pushed on git repository. It must be regenerated by the command :

Git install