

# [React 공부 1일차]

## ▼ React 설치와 설정



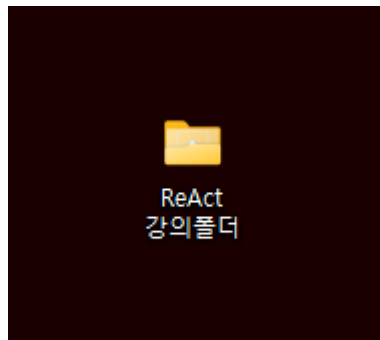
The image shows the Node.js website with the heading "Run JavaScript Everywhere". Below the heading, it states: "Node.js® is a free, open-source, cross-platform JavaScript runtime environment that lets developers create servers, web apps, command line tools and scripts." A red arrow points to the "Download Node.js (LTS)" button. Below the button, it says: "Downloads Node.js v20.16.0<sup>1</sup> with long-term support. Node.js can also be installed via package managers. Want new features sooner? Get Node.js v22.6.0<sup>1</sup> instead." To the right, there is a code editor snippet titled "Create an HTTP Server" showing a simple HTTP server in JavaScript. The code is as follows:

```
1 // server.mjs
2 import { createServer } from 'node:http';
3
4 const server = createServer((req, res) => {
5   res.writeHead(200, { 'Content-Type': 'text/plain' });
6   res.end('Hello World!\n');
7 });
8
9 // starts a simple http server locally on port 3000
10 server.listen(3000, '127.0.0.1', () => {
11   console.log('Listening on 127.0.0.1:3000');
12 });
13
14 // run with `node server.mjs`
```

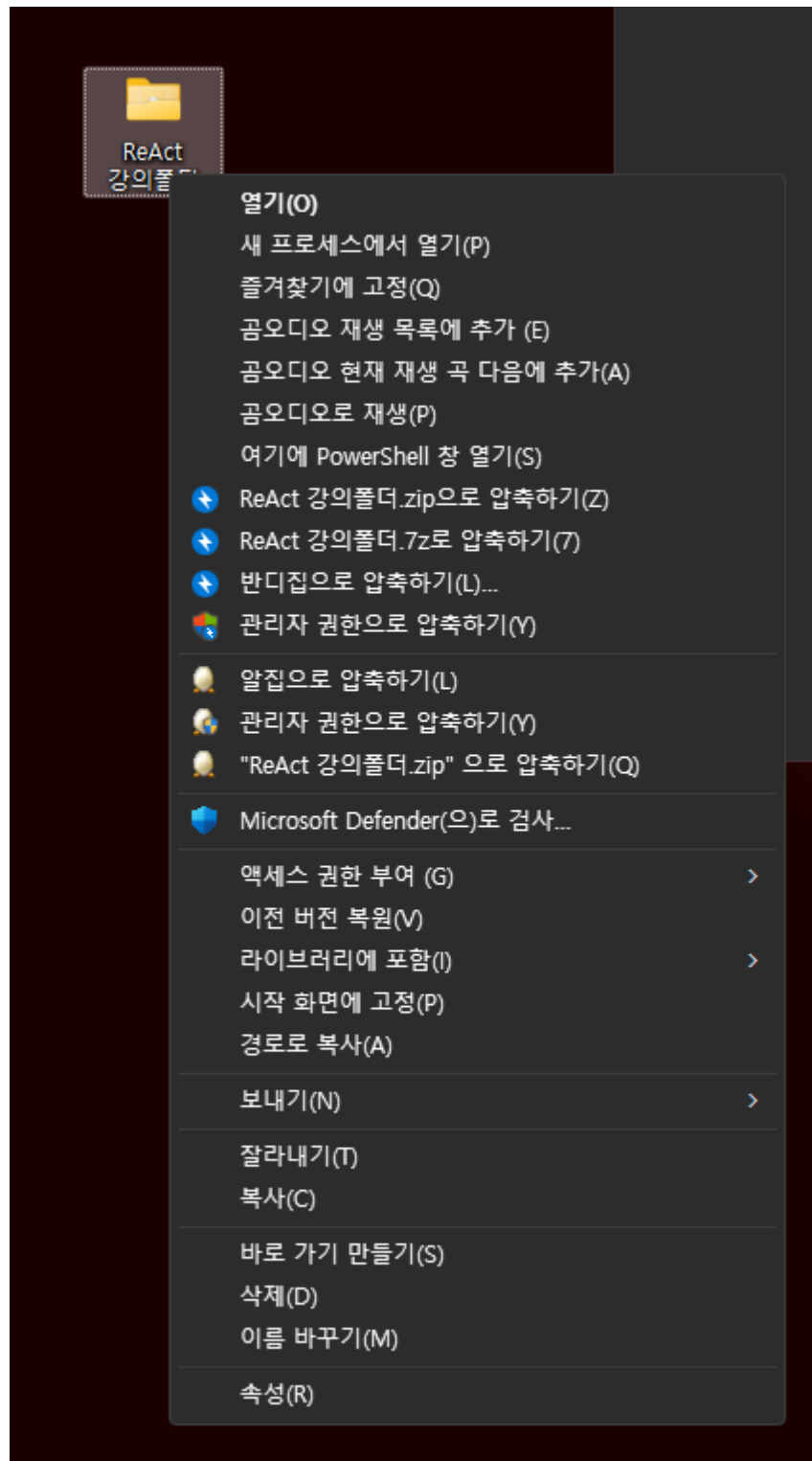
Below the code editor, there is a "Copy to clipboard" button and a link to "Learn more what Node.js is able to offer with our Learning materials."

Visual Studio Code (이하 VSC) 에서 React 사용하기 위해선 NodeJs 란 프로그램을 설치해주었습니다.

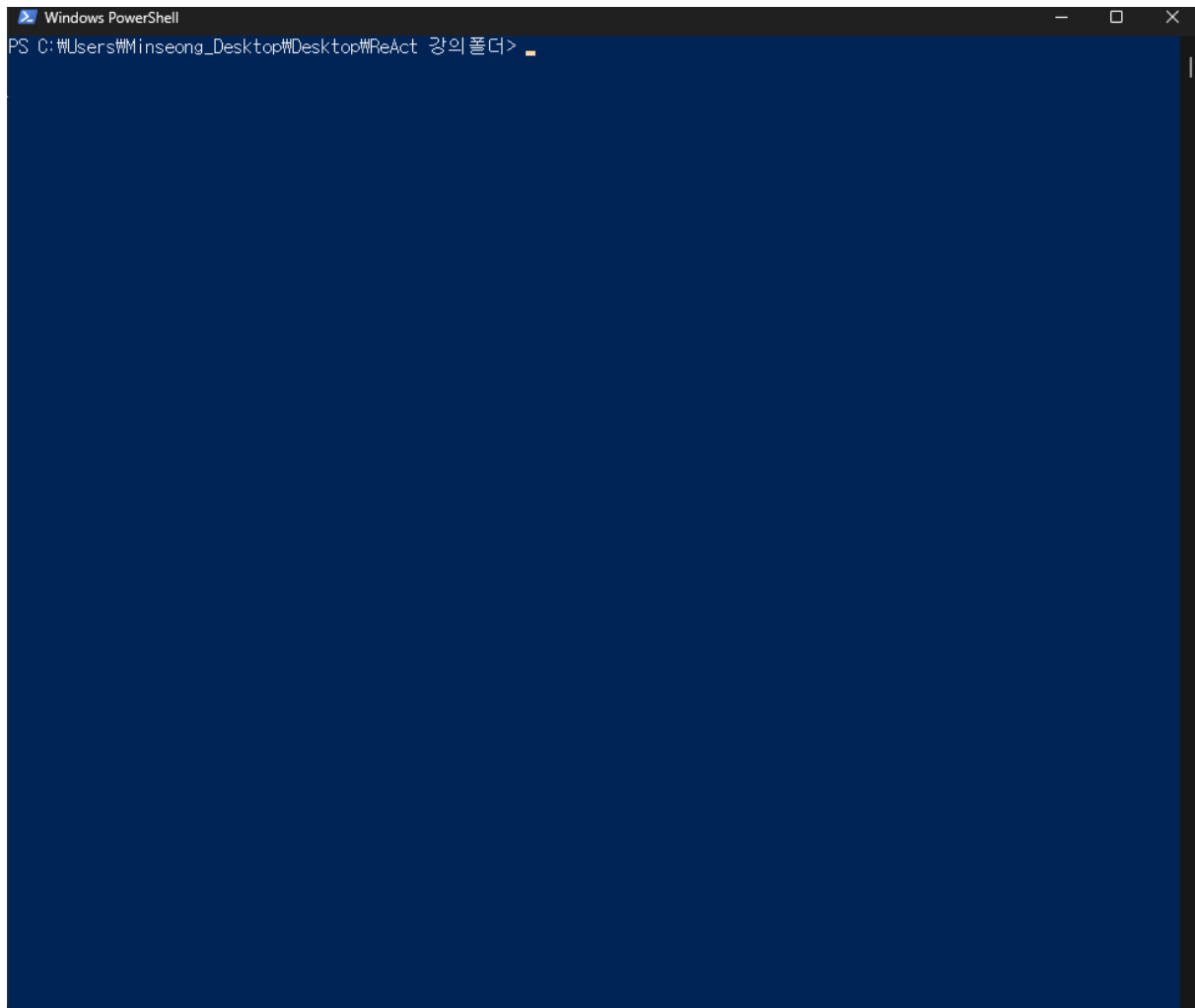
내려받은 기준으로 버전은 v20.16.0(LTS) 입니다.



React 강의를 받기 위해 바탕화면에 폴더를 생성해주고(WorkSpace)



shift + 우클릭을 통하여 여기에 PowerShell 창 열기를 실행시켰습니다.



그렇게 이 화면에서 `npx create-react-app 프로젝트명` 을 생성해주어야하는데.  
`nodejs` 가 설치되어있음에도 불구하고 오류가 나서 앞으로 진행이 되지않았습니다.

```
PS C:\Users\Minseong\Desktop\ReAct 강의폴더> npx create-react-app blog
npm error code ENOENT
npm error syscall lstat
npm error path C:\Users\Minseong\Desktop\AppData\Roaming\npm
npm error errno -4058
npm error enoent ENOENT: no such file or directory, lstat 'C:\Users\Minseong\Desktop\AppData\Roaming\npm'
npm error enoent This is related to npm not being able to find a file.
npm error enoent
npm error A complete log of this run can be found in: C:\Users\Minseong\Desktop\AppData\Local\npm-cache\_logs\2024-08-19T08_32_28_659Z-debug-0.log
```

VSC 터미널을 켜서 똑같이 해보아도 오류만 뜨는상황, 진행이안돼서 오류를 찾아보았고 할 수 있는것을 해보았습니다.

```
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm update
up to date in 332ms
```

update 가 성공적으로 되는 모습이다.

```
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm install
npm error code ENOENT
npm error syscall open
npm error path C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\package.json
npm error errno -4058
npm error enoent Could not read package.json: Error: ENOENT: no such file or directory, open 'C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\package.json'
npm error enoent This is related to npm not being able to find a file.
npm error enoent
npm error A complete log of this run can be found in: C:\Users\Minseong\Desktop\AppData\Local\npm-cache\_logs\2024-08-19T08_33_38_888Z-debug-0.log
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm install
npm error code ENOENT
npm error syscall open
npm error path C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\package.json
npm error errno -4058
npm error enoent Could not read package.json: Error: ENOENT: no such file or directory, open 'C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\package.json'
npm error enoent This is related to npm not being able to find a file.
npm error enoent
npm error A complete log of this run can be found in: C:\Users\Minseong\Desktop\AppData\Local\npm-cache\_logs\2024-08-19T08_33_45_289Z-debug-0.log
```

```
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> node -v
v20.16.0
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm -v
10.8.1
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm cahce-clean
Unknown command: "cahce-clean"

To see a list of supported npm commands, run:
  npm help
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm cahce clean
Unknown command: "cahce"

To see a list of supported npm commands, run:
  npm help
PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm cache clean --force
npm warn using --force Recommended protections disabled.
```

npm 캐시제거, npm 설치, nodejs 버전확인, npm 버전확인등 해볼만한것들을 해보는 모습

```

PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npx create-react-app blog
npm error code ENOENT
npm error syscall lstat
npm error path C:\Users\Minseong\Desktop\AppData\Roaming\npm
npm error errno -4058
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npm error enoent
npm error A complete log of this run can be found in: C:\Users\Minseong\Desktop\AppData\Local\npm-cache\logs\2024-08-19T08:37:15.906Z-debug-0.log

```

그럼에도 생성되지않는 react 프로젝트

```

PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npm install -g npm

changed 13 packages in 2s

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

```

명령어를 고쳐서 수정해서 입력해보니 그제서야 설치됐습니다.

```

PS C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더> npx create-react-app blog

Creating a new React app in C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\blog.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts with cra-template...

added 1480 packages in 17s

261 packages are looking for funding
  run `npm fund` for details
Git repo not initialized Error: Command failed: git --version
    at genericNodeError (node:internal/errors:984:15)
    at wrappedFn (node:internal/errors:538:14)
    at checkExecSyncError (node:child_process:890:11)
    at execSync (node:child_process:962:15)
    at tryGitInit (C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\blog\node_modules\react-scripts\scripts\init.js:46:5)
    at module.exports (C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\blog\node_modules\react-scripts\scripts\init.js:276:7)
    at [eval]:3:14
    at runScriptInThisContext (node:internal/vm:209:10)
    at node:internal/process/execution:118:14
    at [eval]-wrapper:6:24 {
  status: 1,
  signal: null,
  output: [ null, null, null ],
  pid: 5476,
  stdout: null,
  stderr: null
}

Installing template dependencies using npm...

added 63 packages, and changed 1 package in 5s

261 packages are looking for funding
  run `npm fund` for details
Removing template package using npm...

removed 1 package, and audited 1543 packages in 3s

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

8 vulnerabilities (2 moderate, 6 high)

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

Success! Created blog at C:\Users\Minseong\Desktop\Desktop\ReAct 강의폴더\blog
Inside that directory, you can run several commands:

  npm start
    Starts the development server.

  npm run build
    Bundles the app into static files for production.

  npm test
    Starts the test runner.

  npm run eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

```

드디어 성공적으로 react 첫 프로젝트가 생성되고있는 모습

영광스럽게

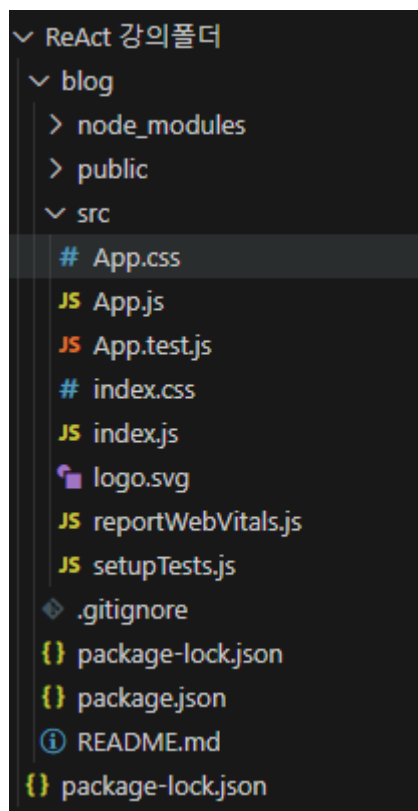
```
PS C:\Users\Minseong_Desktop\Desktop\ReAct 강의폴더> npm start
```

npm start 를 하고 생성된 프로젝트를 확인하려는찰나

```
npm error code ENOENT
npm error syscall open
npm error path C:\Users\Minseong_Desktop\Desktop\ReAct 강의폴더\package.json
npm error errno -4058
npm error enoent Could not read package.json: Error: ENOENT: no such file or directory, open 'C:\Users\Minseong_Desktop\Desktop\ReAct 강의폴더\package.json'
npm error enoent This is related to npm not being able to find a file.
npm error enoent
npm error A complete log of this run can be found in: C:\Users\Minseong_Desktop\AppData\Local\npm-cache\logs\2024-08-19T08 47 20 016Z-debug-0.log
```

오류가 뜨는모습

생각해보니 blog라는 프로젝트(폴더)를 생성해놓고 상위폴더인 React 강의폴더(workspace)에서 실행시키고있어서 오류가 나는 모습이였습니다.



터미널에서 cd blog 를 통하여 폴더를 옮겨주고 다시 npm start를 실행

```
Compiled successfully!  
  
You can now view blog in the browser.  
  
Local:      http://localhost:3000  
On Your Network:  http://192.168.0.8:3000  
  
Note that the development build is not optimized.  
To create a production build, use npm run build.  
  
webpack compiled successfully  
█
```



리액트 공부 1일차

[Learn React](#)

성공적으로 실행이 되는모습입니다.



그렇게 1일차 설치와 설정을 마치고 다음 강의를 듣기위해 정리를 마칩니다.  
두서없이 작성하고있어 기록용으로만 생각해주시면 감사합니다.

## 연락처

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