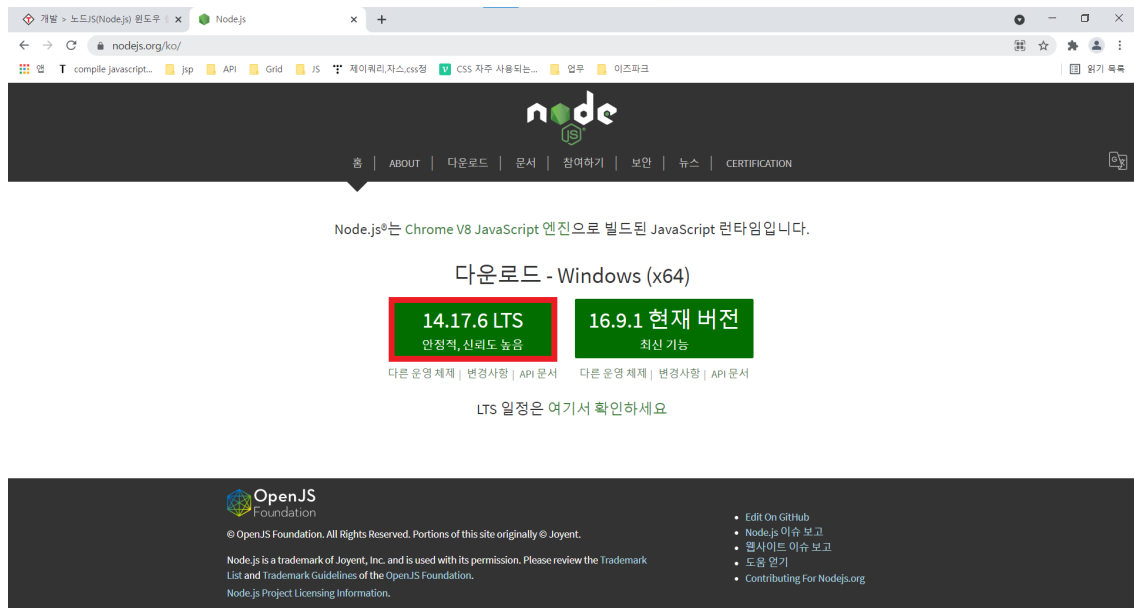


node.js 설치 및 npm 모듈 설치방법

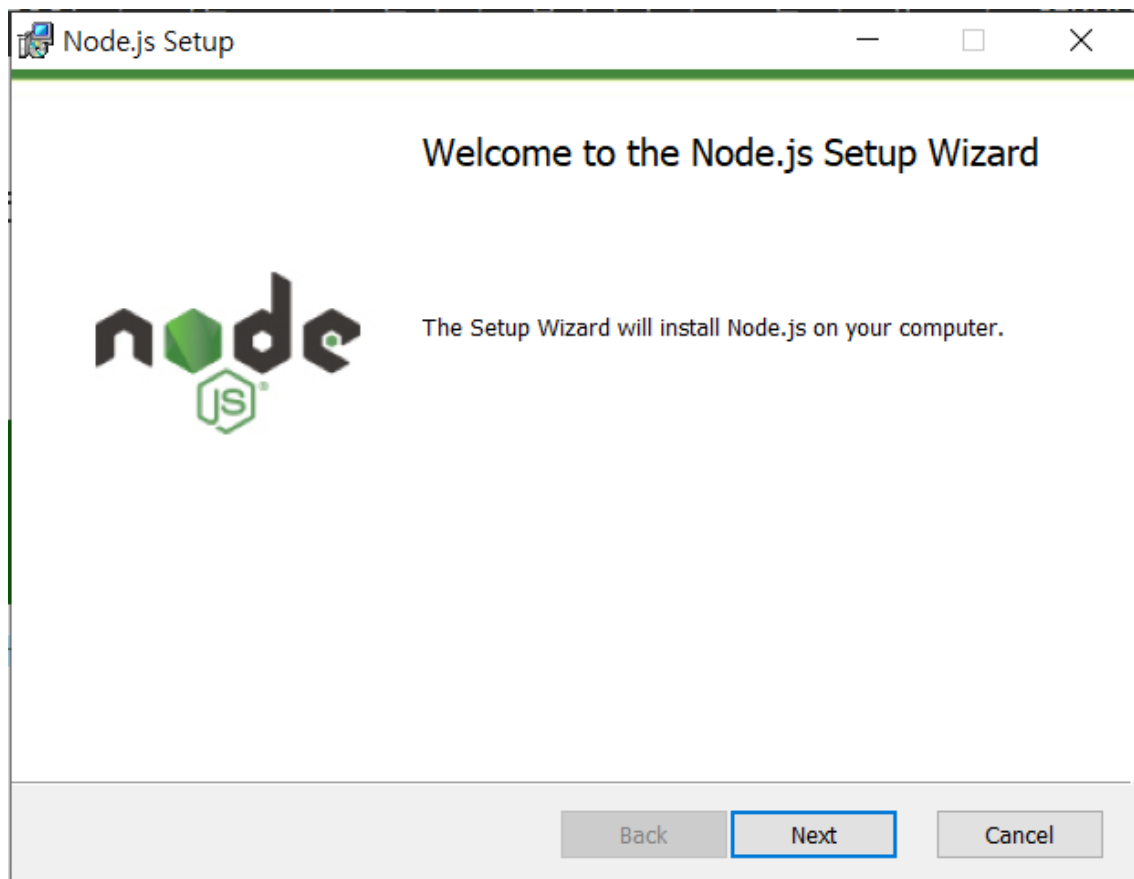
node.js 설치

1. nodejs.org/ko/ 접속

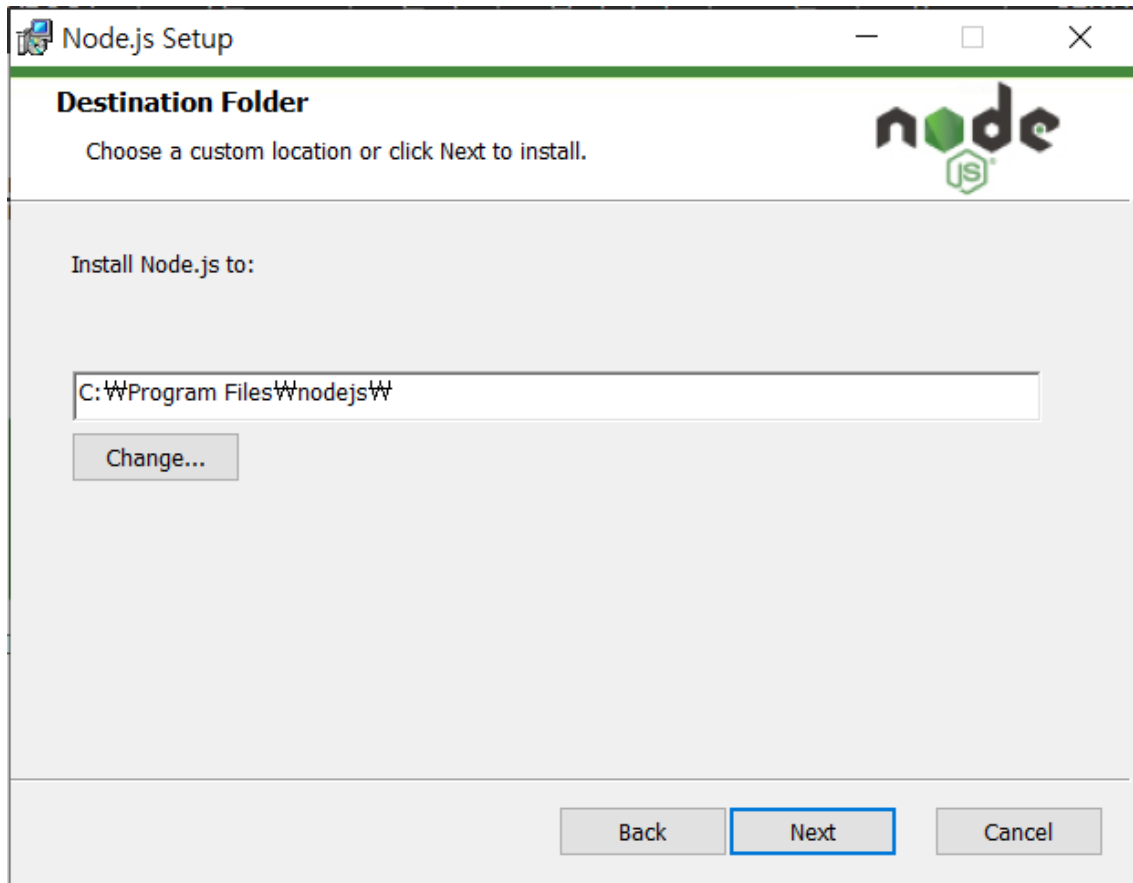


왼쪽 링크로 다운로드.

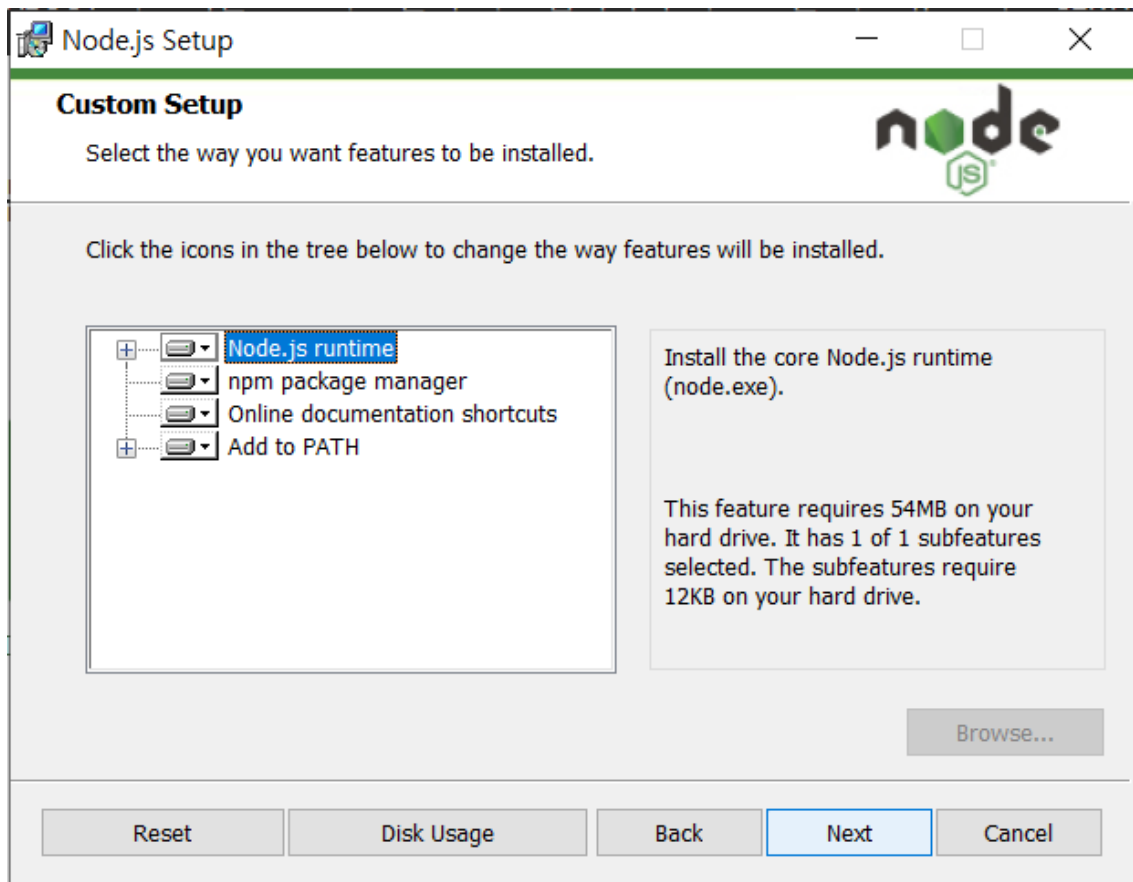
2. 다운로드 후 설치파일 실행.



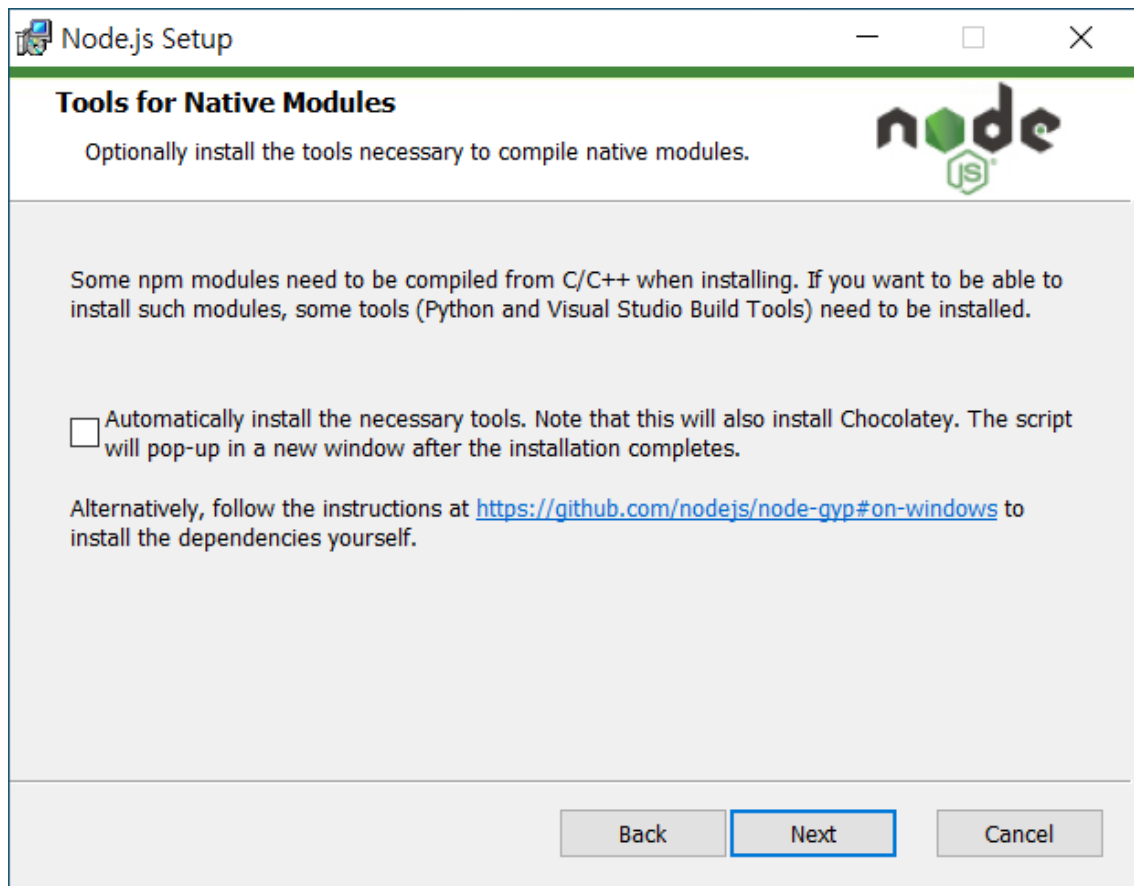
3. 설치경로 지정.



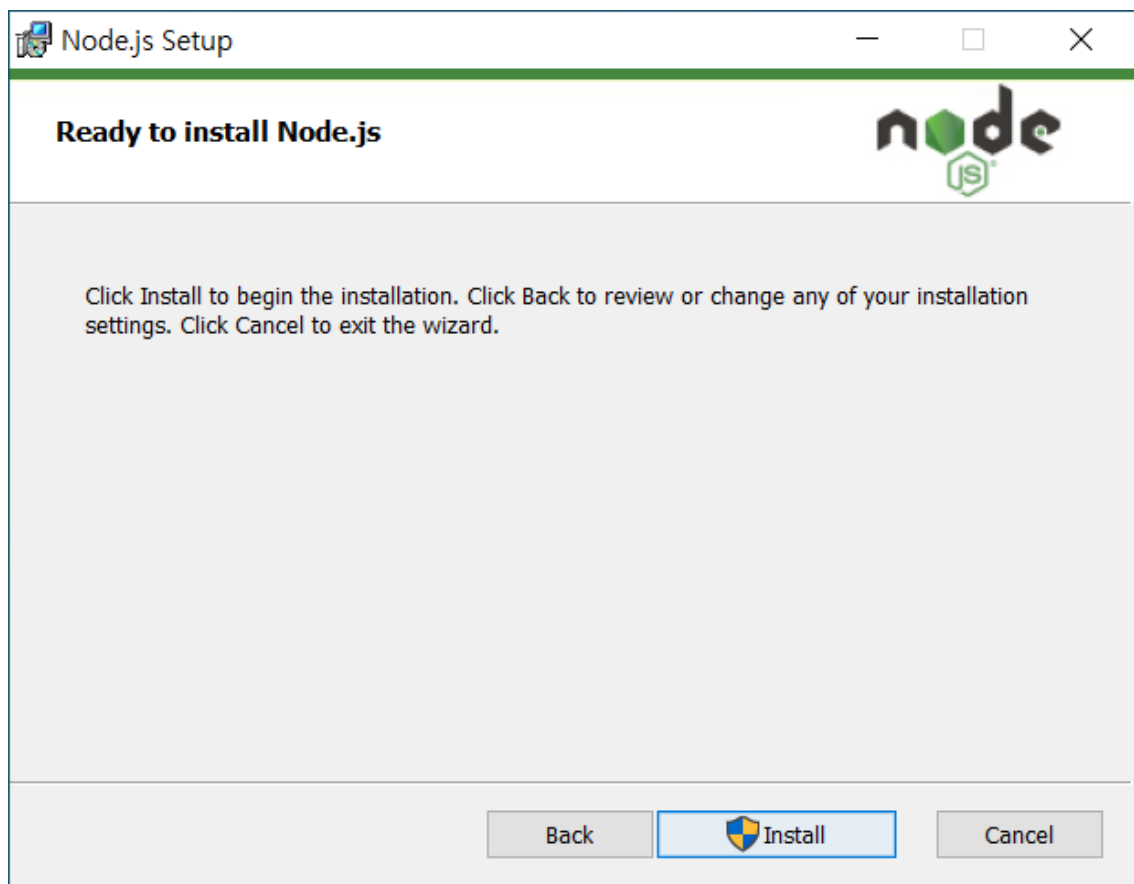
4. node,npm 함께 설치됩니다.



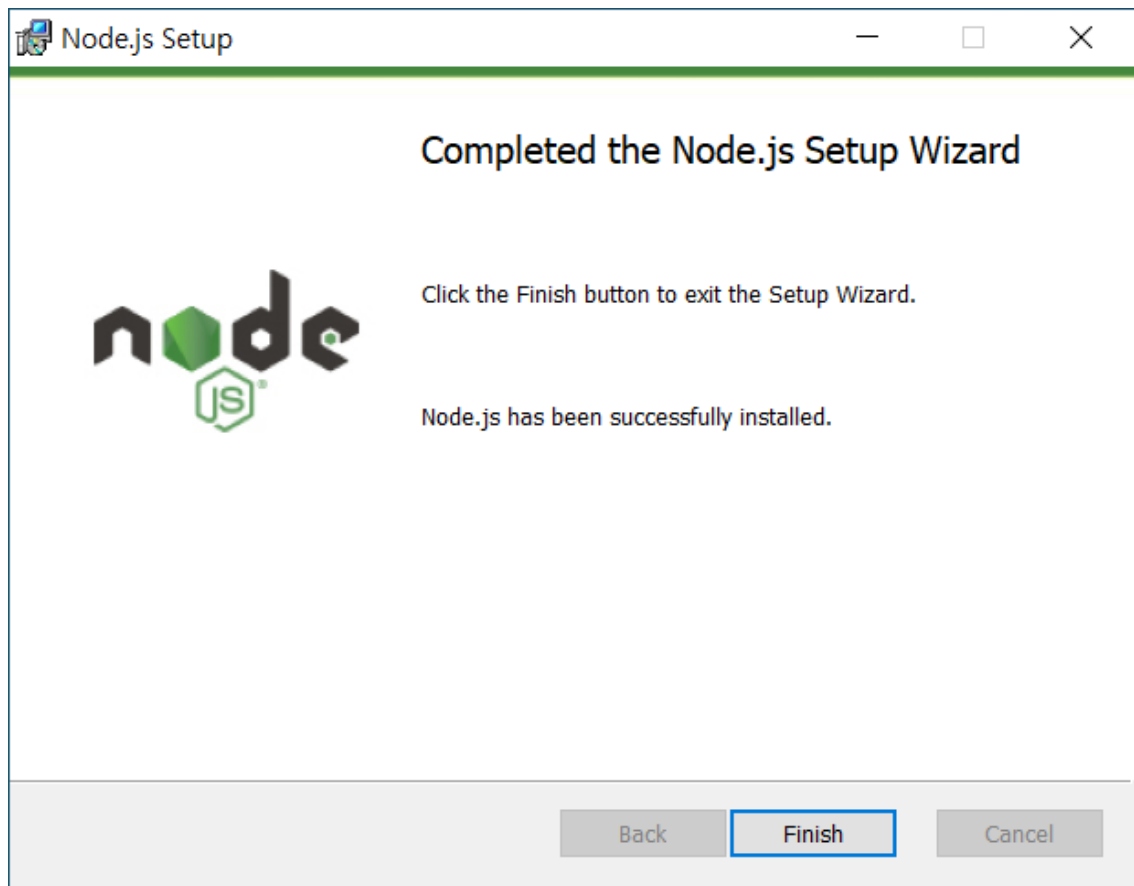
5. 추가 모듈 설치화면. 그냥 넘겨도 됩니다.



6. 인스톨



7. 설치가 완료되면 Finish를 눌러 종료 후 cmd창을 켭니다.



8. 'node --version'을 적어 버전이 나온다면 설치완료.

```
cmd 명령 프롬프트
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ISPARK>node --version
v14.17.6

C:\Users\ISPARK>
```

npm으로 json 파일 생성

1. 프로젝트 디렉토리로 경로 옮긴 뒤 npm init 입력.

```
ca 명령 프롬프트
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ISPARK>cd C:\Users\ISPARK\Desktop\Practice\homework>
명령 구문이 올바르지 않습니다.

C:\Users\ISPARK>cd C:\Users\ISPARK\Desktop\Practice\homework
C:\Users\ISPARK\Desktop\Practice\homework>npm init
```

2. 입력사항들 확인하며 enter. 마지막에 yes 입력.

```
ca npm
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: (homework)
version: (1.0.0)
description:
entry point: (index.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Users\ISPARK\Desktop\Practice\homework\package.json:
{
  "name": "homework",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo #\"Error: no test specified#\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}

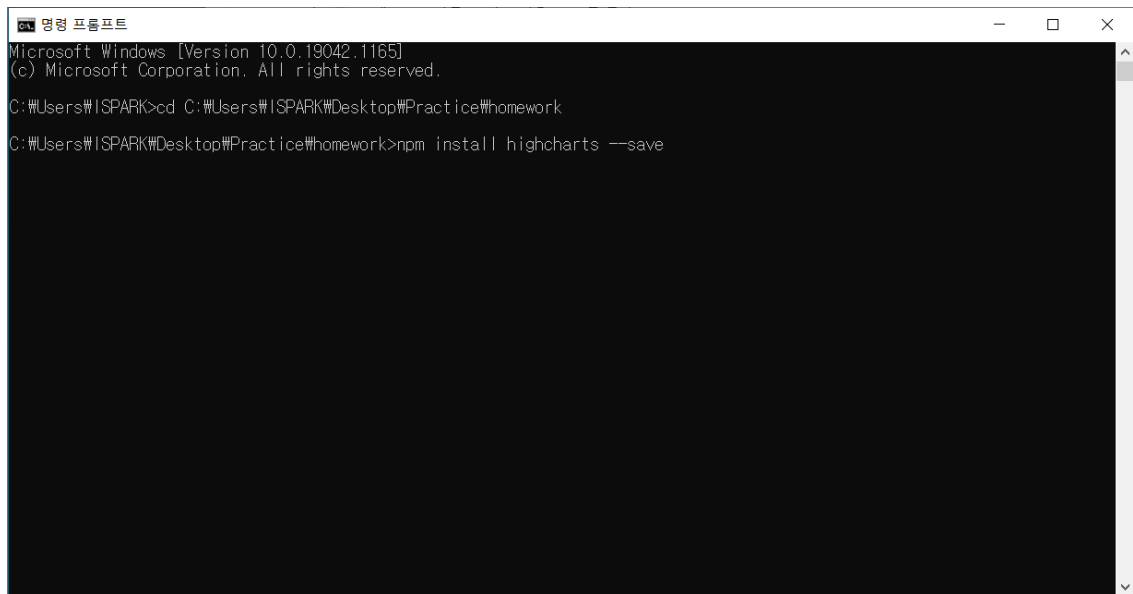
Is this OK? (yes) yes
```

3. json파일 생성

Practice > homework				
	이름	수정한 날짜	유형	크기
	index.html	2021-09-14 오후 11:49	Microsoft Edge H...	1KB
	package.json	2021-09-15 오전 8:02	JSON 파일	1KB

npm으로 모듈 추가

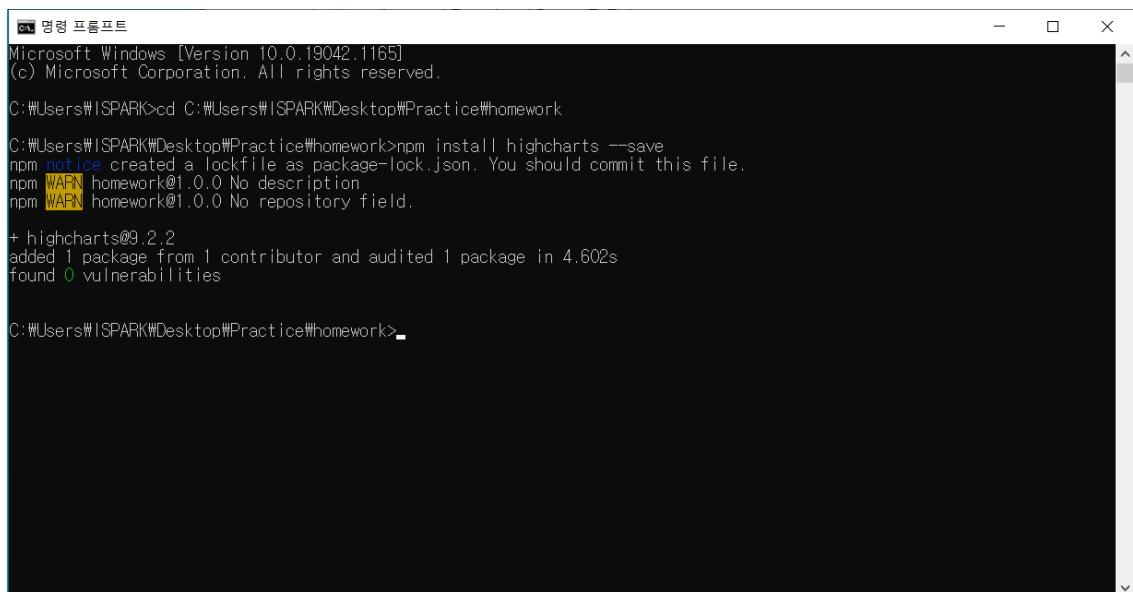
1. npm install '모듈이름' --save로 json파일에 dependencies 항목에 정보 입력하며 모듈설치



```
명령 프롬프트
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ISPARK>cd C:\Users\ISPARK\Desktop\Practice\homework
C:\Users\ISPARK\Desktop\Practice\homework>npm install highcharts --save
```

2. 설치완료 화면 (환경마다 다릅니다. 필요한 파일들을 자동으로 설치합니다.)



```
명령 프롬프트
Microsoft Windows [Version 10.0.19042.1165]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ISPARK>cd C:\Users\ISPARK\Desktop\Practice\homework
C:\Users\ISPARK\Desktop\Practice\homework>npm install highcharts --save
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN homework@1.0.0 No description
npm WARN homework@1.0.0 No repository field.

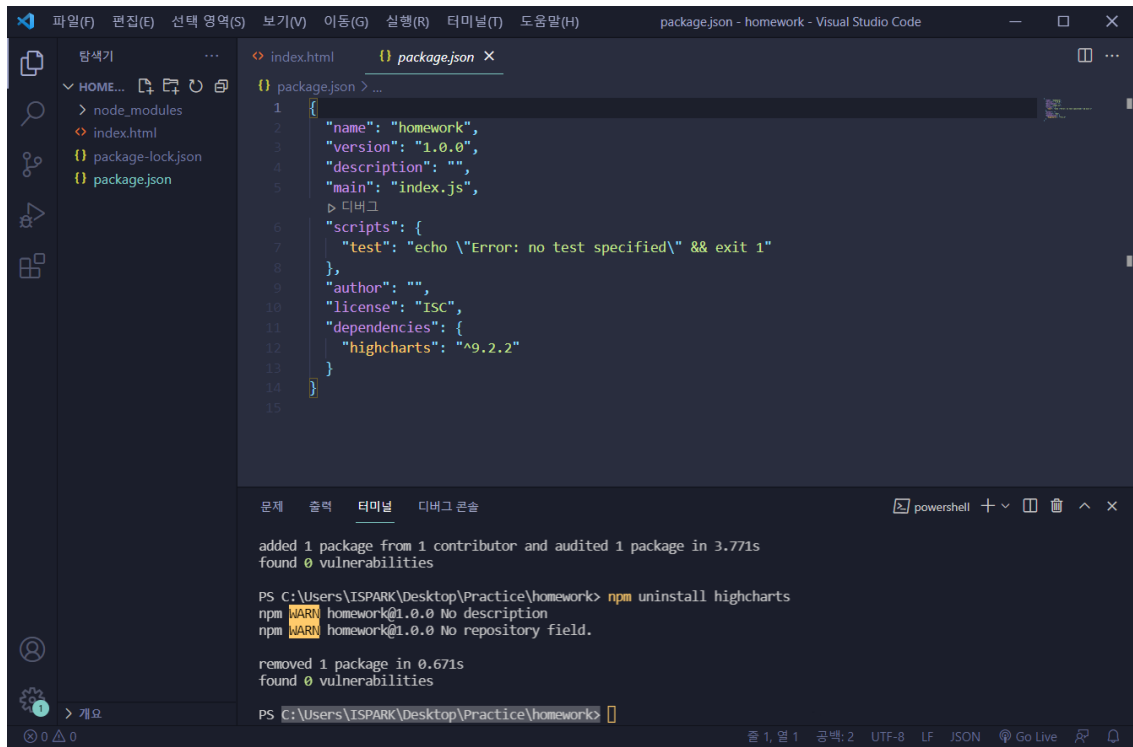
+ highcharts@9.2.2
added 1 package from 1 contributor and audited 1 package in 4.602s
found 0 vulnerabilities

C:\Users\ISPARK\Desktop\Practice\homework>
```

3. 모듈이 설치되었는지 확인합니다.

이름	수정한 날짜	유형	크기
node_modules	2021-09-15 오전 8:05	파일 폴더	
index.html	2021-09-14 오후 11:49	Microsoft Edge H...	1KB
package.json	2021-09-15 오전 8:05	JSON 파일	1KB
package-lock.json	2021-09-15 오전 8:05	JSON 파일	1KB
homework > node_modules >			
이름	수정한 날짜	유형	크기
highcharts	2021-09-15 오전 8:05	파일 폴더	

4. json dependencies 항목에 정보가 추가되었는지 확인합니다.



The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left displays the file structure with `package.json` selected. The main editor area shows the content of `package.json`, which includes a `dependencies` section with `highcharts` listed. The integrated terminal at the bottom shows the output of the `npm uninstall highcharts` command, indicating successful removal.

```
{
  "name": "homework",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \\\"Error: no test specified\\\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "dependencies": {
    "highcharts": "^9.2.2"
  }
}
```

```
added 1 package from 1 contributor and audited 1 package in 3.771s
found 0 vulnerabilities

PS C:\Users\ISPARK\Desktop\Practice\homework> npm uninstall highcharts
npm WARN homework@1.0.0 No description
npm WARN homework@1.0.0 No repository field.

removed 1 package in 0.671s
found 0 vulnerabilities

PS C:\Users\ISPARK\Desktop\Practice\homework>
```