

# IT 기술실무

## Node.js 1주차

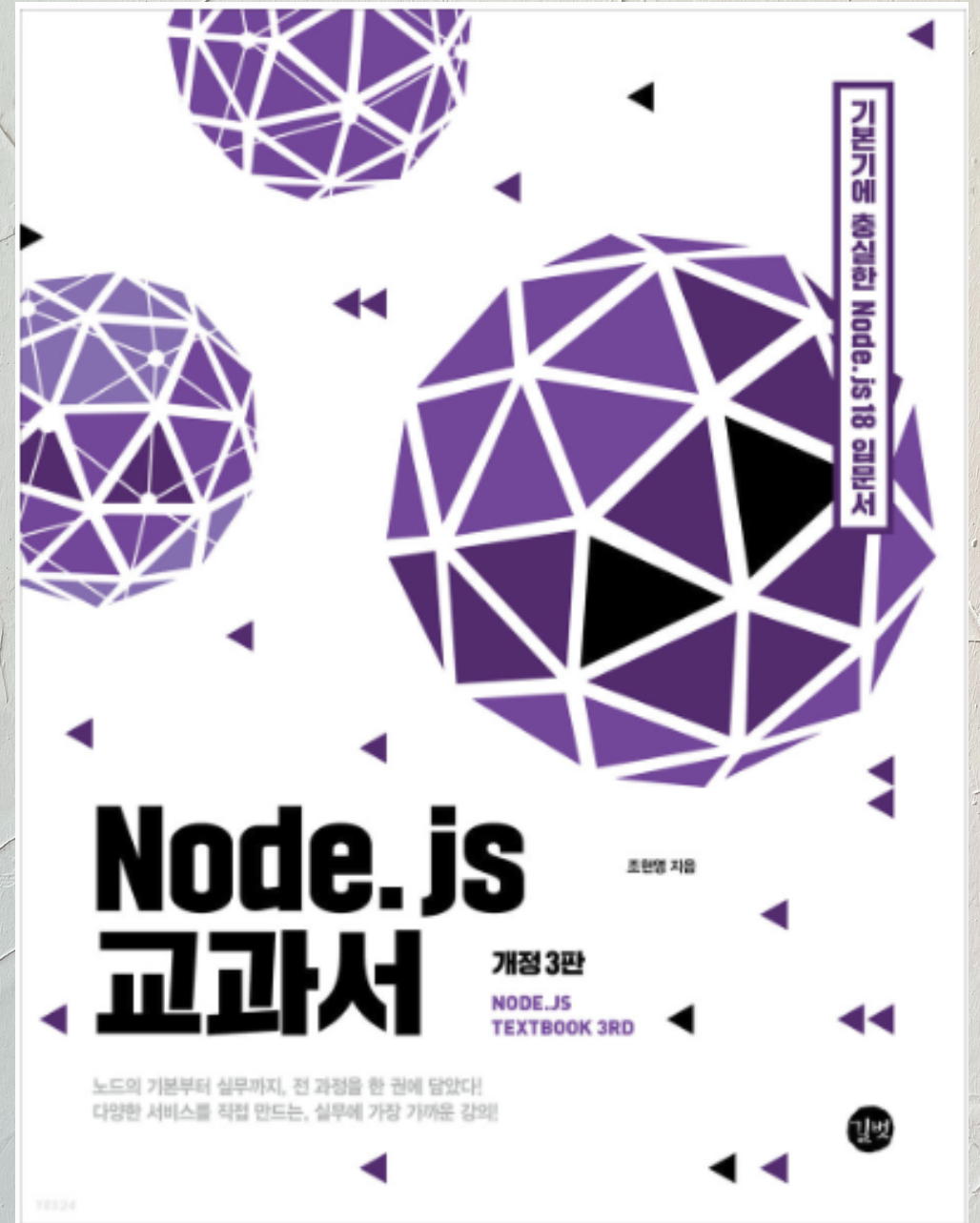
---

목표 : 강의소개 및 필수사항 공유

# 목차

table of contents

1. Abstract
2. ES2015+ : ECMAScript 6
3. Node's Functions
4. http Module
5. Package Manager
6. Express Web Server
7. Databases : MySQL, MongoDB
8. Web API Server
9. Node Service Test
10. Web Socket
11. CLI(Command Line Interface)



# 강의개요

주	주차별 목표	강의소개	교재
1	강의소개 등	강의소개 및 필수사항 공유	주/보조
2	Abstract	핵심 개념, 서버로서의 노드, 서버 외의 노드, 개발 환경 구축(23~64)	주교재
3	ES2015+ : ECMAScript 6	ES2015+ 및 프론트엔드 자바스크립트(65~92)	주교재
4	Node's Functions	REPL, JS 파일 실행하기, 모듈로 만들기, 노드 내장 객체/모듈 등(93~178)	주교재
5	http Module	요청/응답, REST와 라우팅, 쿠키/세션, https/http2, cluster(179~216)	주교재
6	Package Manager	npm, package.json, 패키지 배포하기(217~240)	주교재
7	Express Web Server	미들웨어, req/res, 템플릿 엔진 사용하기(241~290)	주교재
8	중간시험	중간시험 및 웹어플리케이션 추가 강의	주/보조
9	Databases : MySQL	MySQL 설치, 데이터베이스/테이블, CRUD, 시퀀라이즈(291~364)	주교재
10	Databases : MongoDB	몽고디비 설치, 데이터베이스/컬렉션, CRUD, 몽구스(365~416)	주교재
11	Web API Server	API 서버, JWT 토큰 인증하기, 다른 서비스 호출하기, SNS API, CORS 등(475~520)	주교재
12	Node Service Test	테스트 준비하기, 유닛/커버리지/통합/부하(521~560)	주교재
13	Web Socket	웹 소켓 이해하기, ws 모듈, Socket.io, 미들웨어와 소켓, 채팅 구현하기(561~608)	주교재
14	CLI	간단한 콘솔 명령어, Commander, Inquirer 사용하기(649~676)	주교재
15	기말시험	기말시험 및 웹개발자 로드맵 추가 강의	주/보조



제품 ▾ 솔루션 Enterprise 리소스 요금

영업 팀과 대화하기

SLACK 실행 ▾

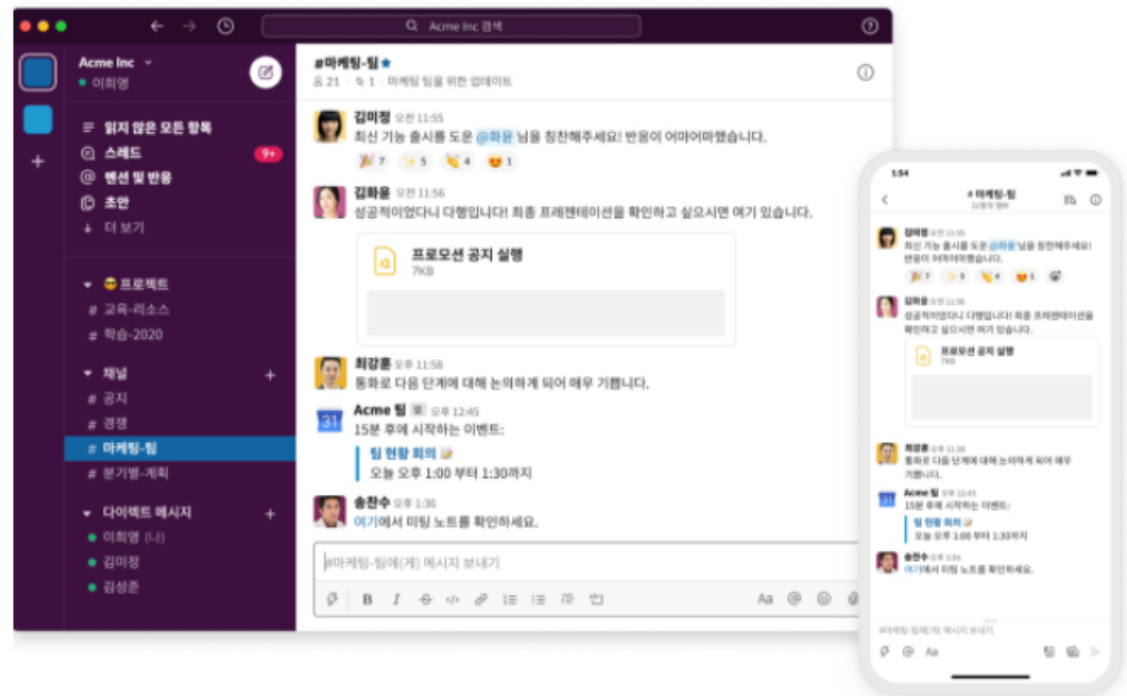
SLACK 기능

## 팀과 업무를 하나로 이어 주는 단일 플랫폼

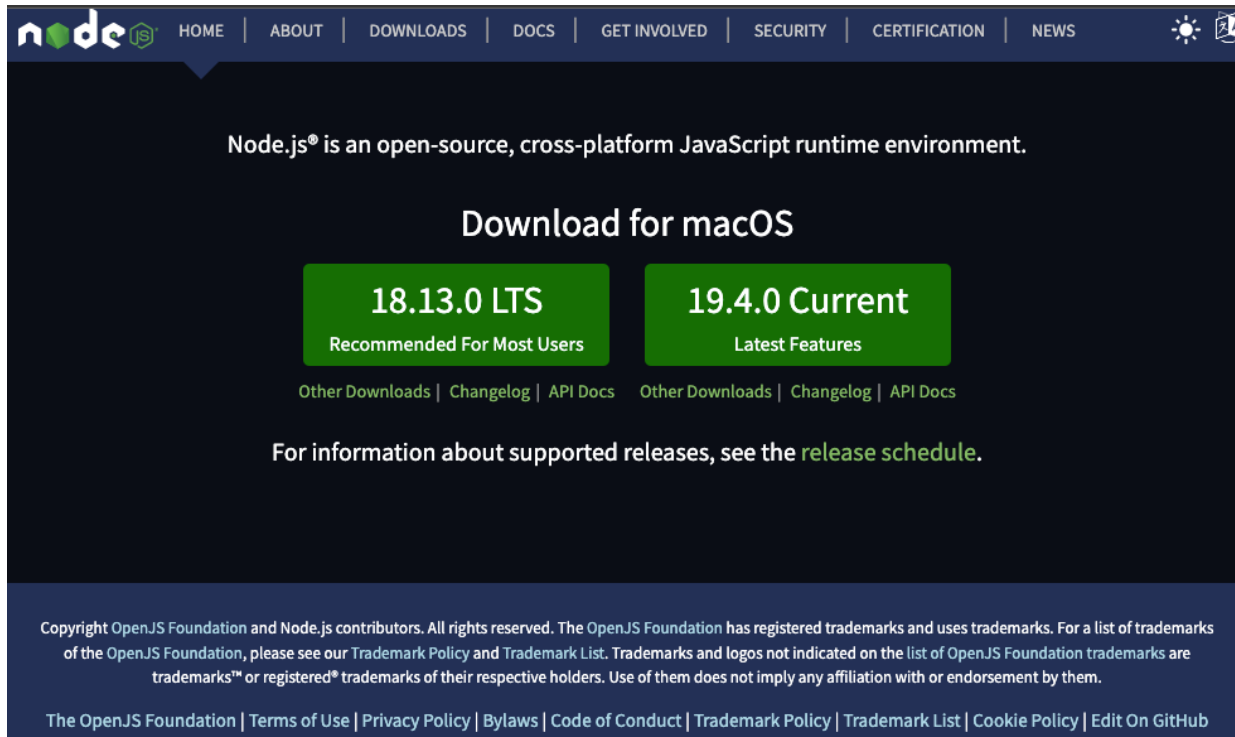
Slack의 모든 기능이 협력하듯 팀과 협력하여 시너지를 만들어 보세요.

시작하기

모든 기능 보기



# 개발환경 | Environments for Dev



The screenshot shows the Node.js website. At the top is a navigation bar with links: HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, NEWS. Below the navigation bar, a dark blue banner contains the text "Node.js® is an open-source, cross-platform JavaScript runtime environment." In the center, there are two green buttons: "18.13.0 LTS Recommended For Most Users" and "19.4.0 Current Latest Features". Below these buttons are links for "Other Downloads | Changelog | API Docs". A green text link "release schedule" is also present. At the bottom, there is a copyright notice for the OpenJS Foundation and a list of links: "The OpenJS Foundation | Terms of Use | Privacy Policy | Bylaws | Code of Conduct | Trademark Policy | Trademark List | Cookie Policy | Edit On GitHub".

Node.js® is an open-source, cross-platform JavaScript runtime environment.

**Download for macOS**

**18.13.0 LTS**  
Recommended For Most Users

**19.4.0 Current**  
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#)   [Other Downloads](#) | [Changelog](#) | [API Docs](#)

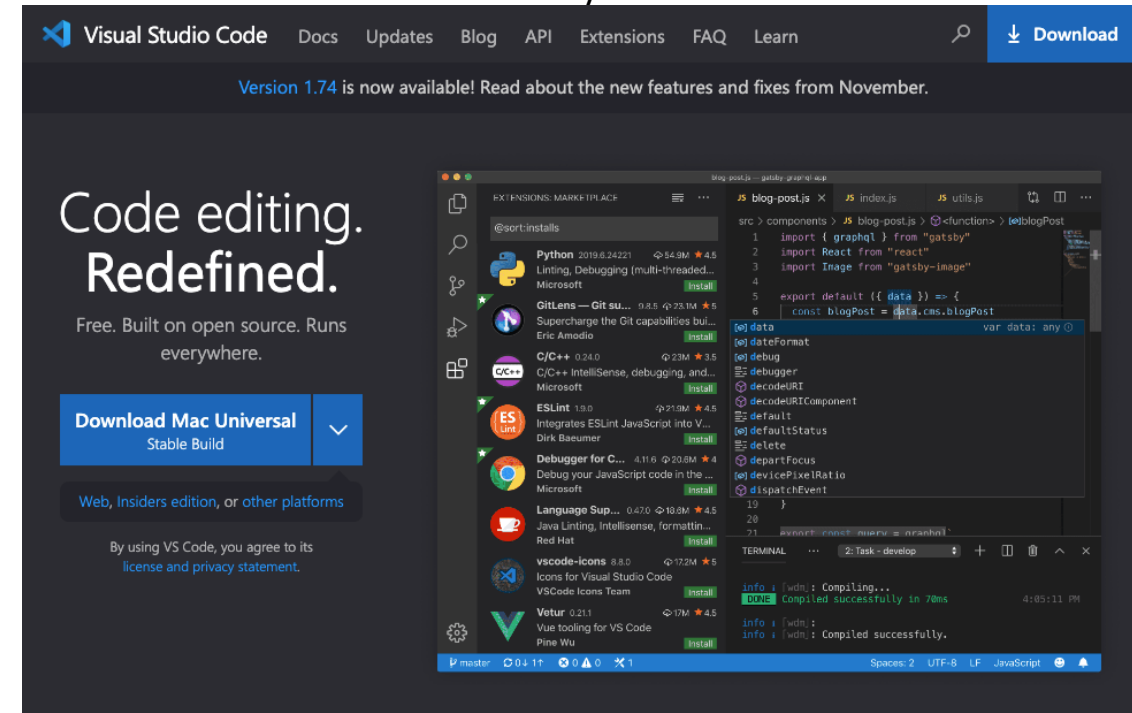
For information about supported releases, see the [release schedule](#).

Copyright OpenJS Foundation and Node.js contributors. All rights reserved. The OpenJS Foundation has registered trademarks and uses trademarks. For a list of trademarks of the OpenJS Foundation, please see our [Trademark Policy](#) and [Trademark List](#). Trademarks and logos not indicated on the list of OpenJS Foundation trademarks are trademarks™ or registered® trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.

[The OpenJS Foundation](#) | [Terms of Use](#) | [Privacy Policy](#) | [Bylaws](#) | [Code of Conduct](#) | [Trademark Policy](#) | [Trademark List](#) | [Cookie Policy](#) | [Edit On GitHub](#)

<https://nodejs.org/>

<https://code.visualstudio.com>



The screenshot shows the Visual Studio Code interface. At the top is a navigation bar with links: Visual Studio Code, Docs, Updates, Blog, API, Extensions, FAQ, Learn, and a "Download" button. Below the navigation bar, a blue banner contains the text "Version 1.74 is now available! Read about the new features and fixes from November." In the center, there is a large text "Code editing. Redefined." and a "Download Mac Universal Stable Build" button. Below this is a link "Web, Insiders edition, or other platforms". The main area shows a code editor with a file named "blog-post.js" open. The code editor has a sidebar on the left with "EXTENSIONS: MARKETPLACE" and a list of extensions: Python, GitLens, C/C++, ESLint, Debugger for C++, Language Support, and Vetur. The code editor also has a "TERMINAL" panel at the bottom right showing output from a command prompt.

Visual Studio Code   Docs   Updates   Blog   API   Extensions   FAQ   Learn   [Download](#)

Version 1.74 is now available! Read about the new features and fixes from November.

**Code editing. Redefined.**

Free. Built on open source. Runs everywhere.

[Download Mac Universal Stable Build](#)

[Web, Insiders edition, or other platforms](#)

By using VS Code, you agree to its [license and privacy statement](#).

EXTENSIONS: MARKETPLACE

- @ortinstall
- Python 2019.6.24221 4.5★  
Linting, Debugging (multi-threaded...  
Microsoft [Install](#)
- GitLens — Git SU... 0.8.5 4.5★  
Supercharge the Git capabilities bui...  
Eric Amodio [Install](#)
- C/C++ 0.24.0 3.5★  
C/C++ IntelliSense, debugging, and...  
Microsoft [Install](#)
- ESLint 1.5.0 4.5★  
Integrates ESLint JavaScript info V...  
Dirk Baeumer [Install](#)
- Debugger for C... 4.11.6 4.0★  
Debug your JavaScript code in the ...  
Microsoft [Install](#)
- Language Sup... 0.47.0 4.5★  
Java Linting, Intellisense, formatin...  
Red Hat [Install](#)
- vscode-icons 8.8.0 4.5★  
Icons for Visual Studio Code  
VSCode Icons Team [Install](#)
- Vetur 0.21.1 4.5★  
Vue tooling for VS Code  
Pine Wu [Install](#)

src > components > JS blog-post.js > <function> > @blogPost


```
1 import { graphql } from "gatsby"
2 import React from "react"
3 import Image from "gatsby-image"
4
5 export default ({ data }) => {
6   const blogPost = data.cms.blogPost
7   var data: any = {}
8 }
```

TERMINAL

```
info [wdm]: Compiling...
info [wdm]: Compiled successfully in 70ms
info [wdm]:
info [wdm]: Compiled successfully.
```



# 깃합 | Github

 Search or jump to... / Pull requests Issues Codespaces Marketplace Explore


Wiseman-IDU / Lecture\_2023-1 Public


Pin Unwatch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main 1 branch 0 tags

Go to file Add file <> Code

 Wiseman-IDU Initial commit f5bcea6 now 1 commit

 README.md Initial commit now


README.md


## Lecture\_2023-1


2023년 1학기 강의 실습 예제 등


### About

2023년 1학기 강의 실습 예제 등

 Readme

 0 stars

 1 watching

 0 forks

### Releases


No releases published

[Create a new release](#)

### Packages

No packages published

[Publish your first package](#)

 © 2023 GitHub, Inc. Terms Privacy Security Status Docs Contact GitHub Pricing API Training Blog About



# 감사합니다.



단순하게 설명할 수 없다면  
제대로 이해하지 못한 것이다.

아인슈타인