

Visual Studio Code

Shortcuts

- `⌘ + /`; comment in/out
- `⌘ + ⇧ + p`; command palette
- `⌘ + p`; search
- `⌘ + ⇧ + ``; Terminal

Editing

Key	Description	
<code>⌘+Arrow Key(←,→)</code>	Word	
<code>⌘+Arrow Key(↑,↓)</code>	Home, End	
<code>⌘+Arrow Key</code>	Switching between applications	
<code><fn>+↑, ↓</code>	PageUp, PageDn	
<code>⌘+↑, ↓</code>	Begin of the Text, End of Text	
<code>⌘+←, →</code>	Begin of the Line, End of Line	
<code>⌘+↵</code>	Chinese input	
<code><fn>+⌫</code>	Work as MS Windows delete key	
Action	Key	Descriptions
Move Backward by Word	<code>⌘+←</code>	
Move Forward by Word	<code>⌘+→</code>	
Home (Begin of the Line)	<code>⌘+↑</code>	
End (End of the Line)	<code>⌘+↓</code>	
PageUp	<code><fn>+↑</code>	doesn't follow carrot
PageDown	<code><fn>+↓</code>	doesn't follow carrot
PageUp	<code>⌘+<fn>+↑</code>	follow carrot
PageDown	<code>⌘+<fn>+↓</code>	follow carrot
Move to Begin of the Text	<code>⌘+↑</code>	
Move to End of the Text	<code>⌘+↓</code>	
Move to Begin of the Line	<code>⌘+←</code>	
Move to End of the Line	<code>⌘+→</code>	
Change to Hanja(Chinese input)	<code>⌘+↵</code>	
Delete (Work as a MS Windows delete key)	<code><fn>+⌫</code>	

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Settings

Basic Extentions

- Code Runner [Code Runner\(Jun Han\)](#)
- REST Client [REST Client\(Huachao Mao\)](#)
- Vim [Vim\(vscodevim\)](#)

JAVA(SPRING FRAMEWORK)

1. Install JDK
2. Install VS Code Extentions
 - Java Extension Pack [Extension Pack for Java\(Microsoft\)](#);
 - [Language Support for Java™ by Red Hat\(Red Hat\)](#)
 - [Debugger for Java\(Microsoft\)](#)
 - [Test Runner for Java\(Microsoft\)](#)
 - [Maven for Java\(Microsoft\)](#)
 - [Project Manager for Java\(Microsoft\)](#)
 - [Visual Studio IntelliCode\(Microsoft\)](#)
 - Visual Studio IntelliCode, Language Support for Java, Debugger for Java, Maven for Java, Java Test Runner, Project Manager for Java
 - Lombok Annotations Support for VS Code [Lombok Annotations Support for VS Code\(Gabriel Basilio Brito\)](#)
 - Gradle Extension Pack [Gradle Extension Pack\(Richard Willis\)](#)
 - [Gradle Extension Pack\(Richard Willis\)](#)
 - [Gradle for Java\(Microsoft\)](#)
 - ; Gradle Language Support, Gradle for Java
 - [Spring Boot Extension Pack\(Pivotal\)](#)
 - [Spring Boot Tools\(Pivotal\)](#)
 - [Spring Initializr Java Support\(Microsoft\)](#)
 - [Spring Boot Dashboard\(Microsoft\)](#)
 - Tomcat??
 - Checkstyle for Java??
 - Java-Dependency-Viewer??
 - Java IDE??
 - Spring Initializr Java Support??
 - Spring Boot Tools??
 - Sprint Boot Dashboard???
- [Debugger for Java \(Microsoft\)](#) Debugger for Java
- [Extension Pack for Java \(Microsoft\)](#) Extension Pack for Java
- [Language Support for Java\(TM\) by Red Hat \(Red Hat\)](#) Language support for Java™ for Visual Studio Code
- [Maven for Java \(Microsoft\)](#) Maven for Java
- [Project Manager for Java \(Microsoft\)](#) Project Manager for Java
- [Test Runner for Java \(Microsoft\)](#) Test Runner for Java

NODE.JS

1. Install Node.js
2. Install VS Code Extentions
 - [Node.js Extension Pack \(Wade Anderson\)](#)
 - [npm \(Microsoft\)](#)
 - [npm Intellisense \(Christian Kohler\)](#)
 - [Path Intellisense \(Christian Kohler\)](#)
 - [Search node_modules \(Jason Nutter\)](#)

JavaScript

- CodeRunner, Live Server
- Run; F5, Ctrl + F5, Ctrl + Alt + N (CodeRunner)
- Live Server;
 - Open with Live Server; Alt + L, Alt + O
 - Stop Live Server; Alt + L, Alt + C
- [ESLint \(Dirk Baeumer\)](#) VS Code ESLint extension
- [Turbo Console Log \(ChakrounAnas\)](#)
- [Disable eslint rule \(WoodHead\)](#)
- [JavaScript \(ES6\) code snippets \(charalampos karypidis\)](#)
- [vscode-js-import \(wangtao0101\)](#)

TypeScript

- Run with Live Server; CTRL + ALT + N
- Run with F5; .vscode
 - launch.json

```
{
  "version": "0.2.0",
  "configurations": [
    {
      "type": "node",
      "request": "launch",
      "name": "Launch Program",
      "program":
"${workspaceFolder}/typescript/out/hello.js",
      "outFiles": ["${workspaceFolder}/**/*.js"]
    }
  ]
}
```

- tasks.json; Start ts-watch, CTRL + SHIFT + B

```
{
  "version": "2.0.0",
  "tasks": [
    {
      "type": "typescript",
      "tsconfig": "tsconfig.json",
      "option": "watch",
      "problemMatcher": [
        "$tsc-watch"
      ],
      "group": "build"
    }
  ]
}
```

- Run with nodemon (live compile environment);

```
$ npm install ts-node --save-dev
$ npm install nodemon --save-dev
```

- package.json

```
{
  "name": "typescript",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "start": "npm run build:live",
    "build": "tsc -p .",
    "build:live": "nodemon --watch '*.ts' --exec 'ts-node'
hello.ts",
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "devDependencies": {
    "nodemon": "^2.0.20",
    "ts-node": "^9.1.1",
    "typescript": "^4.2.4"
  }
}
```

- [Comments in Typescript \(s.albert\)](#)
- [json2ts \(Gregor Biswanger\)](#)
- [Move TS - Move TypeScript files and update \(tnrich\)](#)
- [TSLint \(Microsoft\)](#)
- [TypeScript Extension Pack \(Loiane Groner\)](#)
- [TypeScript Hero \(Christoph Bühler\)](#)
- [TypeScript Importer \(pmneo\)](#)
- [TypeScript Toolbox \(DSKWRK\)](#)

Vue.js

- [Vetur \(Pine Wu\)](#)
- [Vue VS Code Extension Pack \(sarah.drasner\)](#)
- [Vue VSCode Snippets \(sarah.drasner\)](#) Vue VSCode Snippets

React.js

- [React Native Tools \(Microsoft\)](#) React Native Tools

PYTHON

- [Python - Microsoft](#) Python extension for Visual Studio Code
- [Pylint - Microsoft](#) Pylint extension for Visual Studio Code
- [Python Type Hint - njqdev](#) Python Type Hint
- [Python Extended - Taiwo Kareem](#) Python Extended

ESP32

- [Espressif IDF \(Espressif Systems\)](#) ESP-IDF VS Code Extension

ARDUINO

- [Arduino \(Microsoft\)](#) Visual Studio Code extension for Arduino

C/C++

- [Better C++ Syntax \(Jeff Hykin\)](#)
- [C/C++ \(Microsoft\)](#) C/C++ for Visual Studio Code
- [C/C++ Extension Pack \(Microsoft\)](#) C/C++ Extension Pack
- [C/C++ Themes \(Microsoft\)](#) C/C++ Extension UI Themes
- [CMake \(twxs\)](#) CMake For VisualStudio Code
- [CMake Tools \(Microsoft\)](#) CMake Tools

PHP

- [PHP Extension Pack \(Xdebug\)](#)
 - [PHP Debug \(Xdebug\)](#)
 - [PHP Intelephense \(Ben Mewburn\)](#)

Themes

- [Material Icon Theme \(Philipp Kief\)](#) **Material Icon Theme**
- [Palenight Theme \(Olaolu Olawuyi\)](#)
- [Community Material Theme \(Equinusocio\)](#)
- [Night Owl Theme \(AncientLord\)](#)

Other Extensions

- [C# \(Microsoft\)](#) C# for Visual Studio Code (powered by OmniSharp)
- [Doxygen Documentation Generator \(Christoph Schlosser\)](#) Generate Doxygen Comments in VS Code
- [DokuWiki \(Etienne Faisant\)](#) DokuWiki README
- [Excel Viewer \(GrapeCity\)](#) Excel Viewer
- [GitHub Pull Requests and Issues \(GitHub\)](#)

- [GitLens - Git supercharged \(GitKraken\)](#)
- [Korean Language Pack for Visual Studio Code \(Microsoft\)](#) VS Code용 한국어 팩
- [Live Share \(Microsoft\)](#) Microsoft Visual Studio Live Share
- [Live Share Audio \(Microsoft\)](#) Visual Studio Live Share Audio
- [Markdown Preview Enhanced \(Yiyi Wang\)](#) [Markdown All in One \(Yu Zhang\)](#)
- [??Remote - Containers \(Microsoft\)](#)
- [Remote - SSH \(Microsoft\)](#) Visual Studio Code Remote - SSH
- [Remote - SSH:Editing Configuration Files \(Microsoft\)](#) Visual Studio Code Remote - SSH: Editing Configuration Files
- [Remote - WSL \(Microsoft\)](#) [WSL \(Microsoft\)](#) Visual Studio Code WSL
- [Remote Development \(Microsoft\)](#) Visual Studio Code Remote Development Extension Pack
- [??SVG Viewer \(cssho\)](#)
- [??Visual Studio Codespaces \(Microsoft\)](#)
- [Visual Studio IntelliCode \(Microsoft\)](#) [IntelliCode \(Microsoft\)](#) Visual Studio IntelliCode
- [REST Client \(Huachao Mao\)](#) REST Client
- [\[Deprecated\] Debugger for Chrome \(Microsoft\)](#)

- [Auto Close Tag \(Jun Han\)](#)
- [Auto Rename Tag \(Jun Han\)](#)
- [Bookmarks \(Alessandro Fragnani\)](#)
- [Document This \(oouo-diogo-perdigao\)](#)
- [ESLint](#)
- [Formatting Toggle \(tombonnike\)](#)
- [Git History \(Don Jayamanne\)](#)
- [Highlight Matching Tag \(vincaslt\)](#)
- [HTML CSS Support \(ecmel\)](#)
- [IntelliCode](#)
- [jumpy \(wmaurer\)](#)
- [Prettier - Code formatter \(Prettier\)](#)
- [Sass \(Syler\)](#)
- [Source maps navigator \(Vladimir Kotikov\)](#)
- [Todo Tree \(Gruntfuggly\)](#)
- [Vetur](#)

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