

다음은 Vue CLI 를 설치하는 화면이다.(교재 44페이지 참조)

```
npm install @vue/cli
Microsoft Windows [Version 10.0.19045.2965]
(c) Microsoft Corporation. All rights reserved.

C:\Users\COM>cd C:\kosastudy\vue\edu\pjbuild

C:\kosastudy\vue\edu\pjbuild>npm install -g @vue/cli
[Progress Bar] / idealTree:vue-codemod: sill fetch manifest
```

학습용 프로젝트를 교재에 제시된 것과 같이 vue-project 로 생성한다.

```
C:\WINDOWS\system32\cmd.exe
2023-05-24 오후 03:23 <DIR> .
2023-05-24 오후 03:23 <DIR> ..
          0개 파일          0 바이트
          2개 디렉터리 98,823,659,520 바이트 남음

C:\kosastudy\vue\edu\pjbuild>vue create vue-project_

Windows 정
[설정]으로 이동
다.
```

```
npm config get registry
Vue CLI v5.0.8
? Please pick a preset: (Use arrow keys)
> Default ([Vue 3] babel, eslint)
  Default ([Vue 2] babel, eslint)
  Manually select features
```

```
npm install
Vue CLI v5.0.8
❑ Creating project in C:\kosastudy\vue\edu\pjbuild\vue-project.
❑ Initializing git repository...
❑ Installing CLI plugins. This might take a while...
[██████████] / idealTree:mini-css-extract-plugin: timing
```

```
C:\WINDOWS\system32\cmd.exe
❑ Generating README.md...
❑ Successfully created project vue-project.
❑ Get started with the following commands:

$ cd vue-project
$ npm run serve

C:\kosastudy\vue\edu\pjbuild>
```

```
C:\WINDOWS\system32\cmd.exe
❑ Successfully created project vue-project.
❑ Get started with the following commands:

$ cd vue-project
$ npm run serve

C:\kosastudy\vue\edu\pjbuild>cd vue-project
C:\kosastudy\vue\edu\pjbuild\vue-project>npm run serve_
```

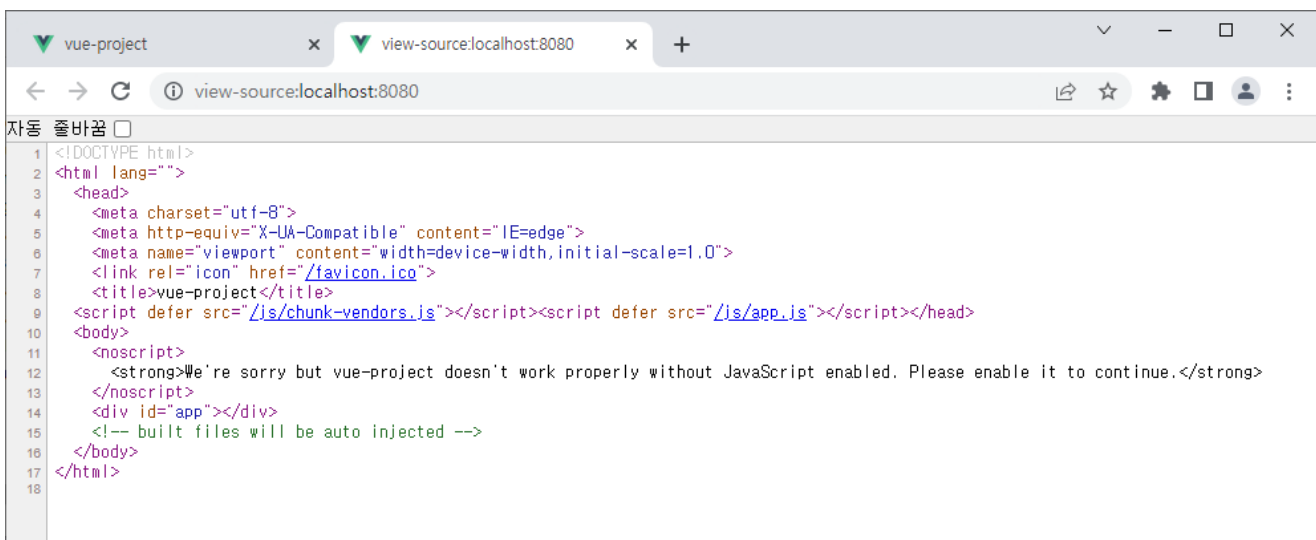
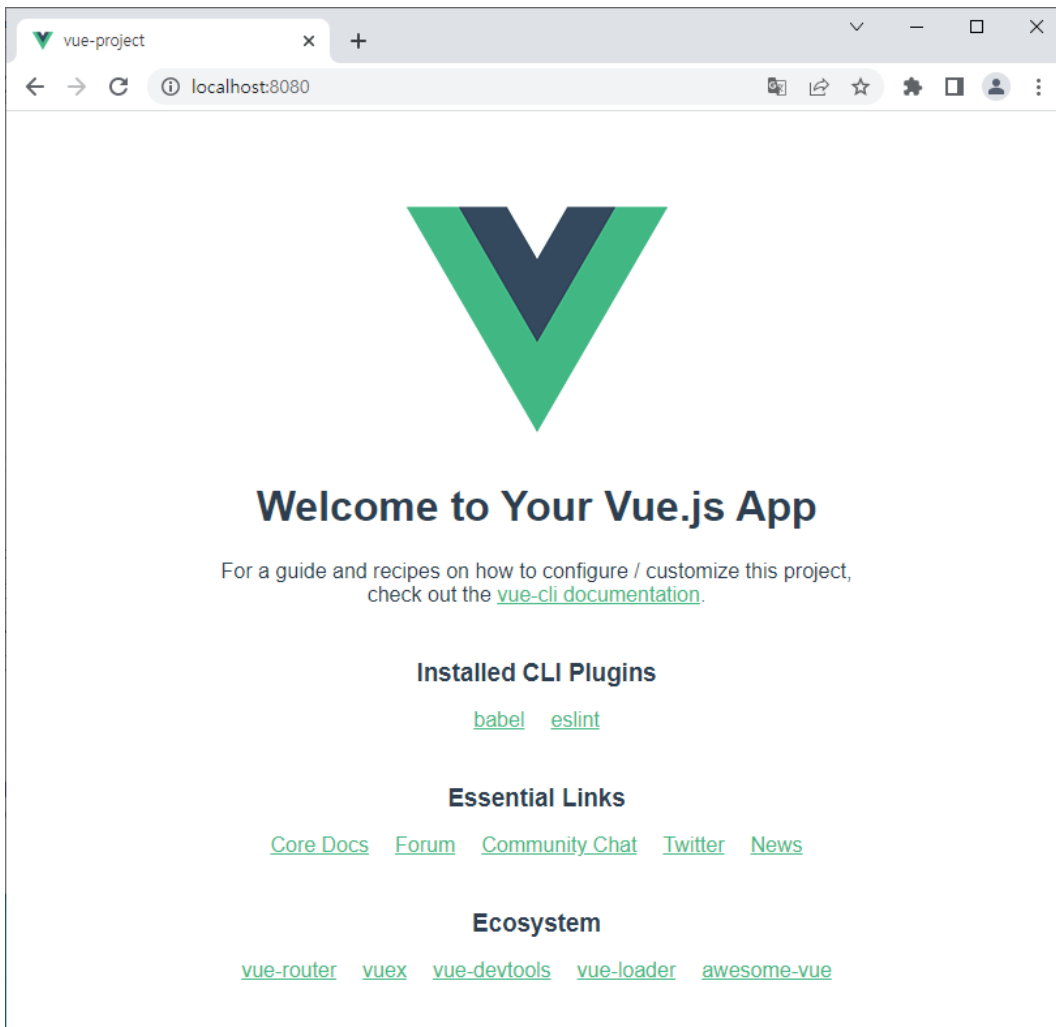
```
C:\WINDOWS\system32\cmd.exe
C:\kosastudy\vue\edu\pjbuild\vue-project>npm run serve
> vue-project@0.1.0 serve
> vue-cli-service serve

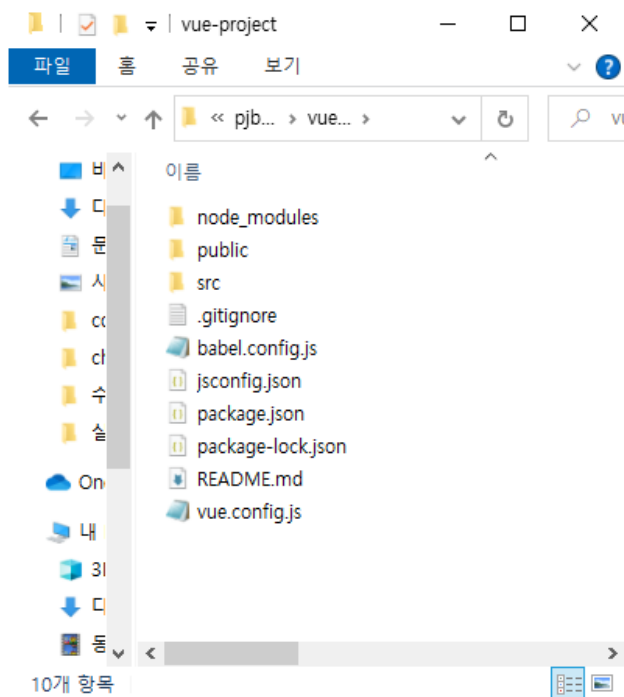
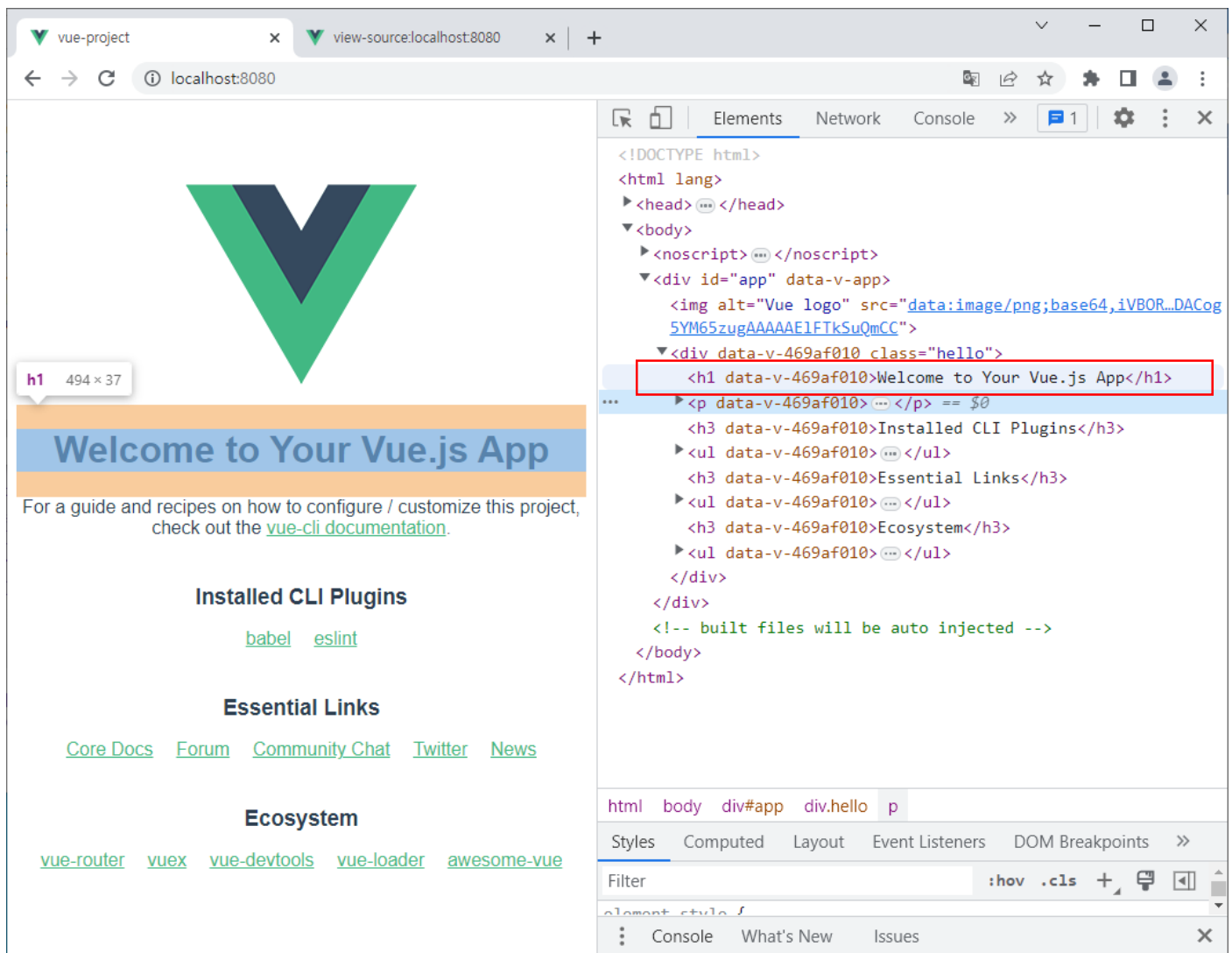
INFO Starting development server...

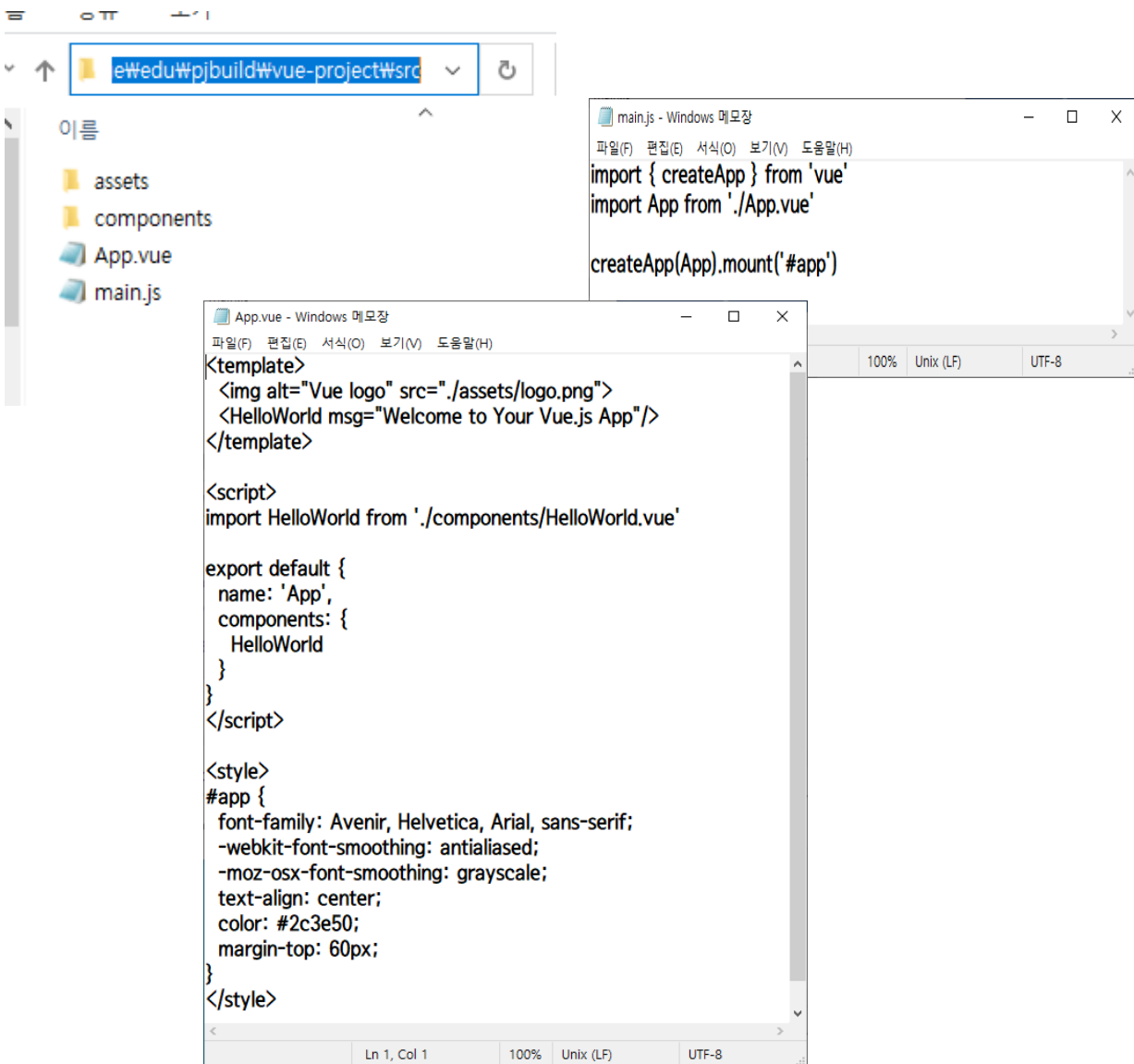
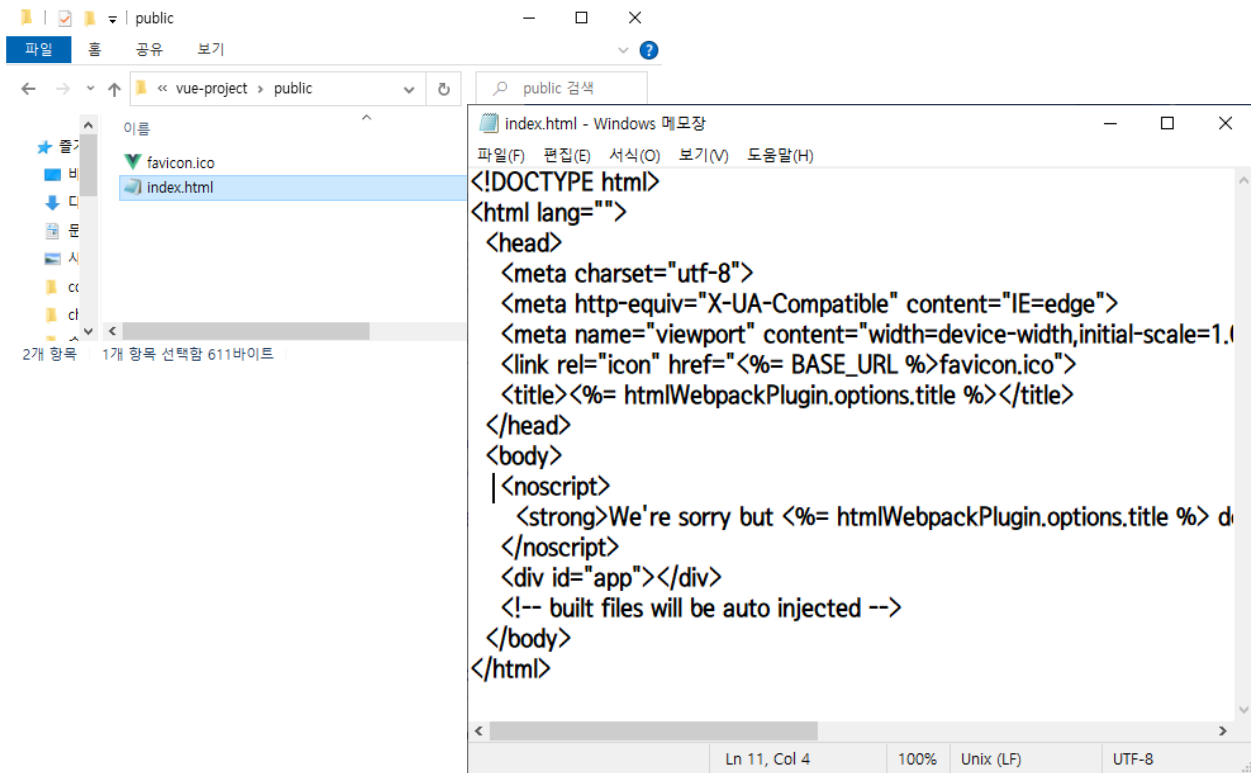
DONE Compiled successfully in 3980ms 오후 3:30:01

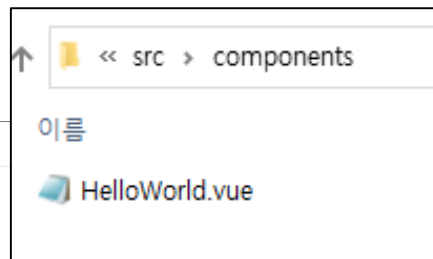
App running at:
- Local: http://localhost:8080/
- Network: http://192.168.3.100:8080/

Note that the development build is not optimized.
To create a production build, run npm run build.
```









```

HelloWorld.vue - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
<template>
  <div class="hello">
    <h1>{{ msg }}</h1>
    <p>
      For a guide and recipes on how to configure / customize this project,<br>
      check out the
      <a href="https://cli.vuejs.org" target="_blank" rel="noopener">vue-cli documentation</a>.
    </p>
    <h3>Installed CLI Plugins</h3>
    <ul>
      <li><a href="https://github.com/vuejs/vue-cli/tree/dev/packages/%40vue/cli-plugin-babel" target="_blank" rel="noopener">babel</a>,
      <li><a href="https://github.com/vuejs/vue-cli/tree/dev/packages/%40vue/cli-plugin-eslint" target="_blank" rel="noopener">eslint</a>
    </ul>
    <h3>Essential Links</h3>
    <ul>
      <li><a href="https://vuejs.org" target="_blank" rel="noopener">Core Docs</a></li>
      <li><a href="https://forum.vuejs.org" target="_blank" rel="noopener">Forum</a></li>
      <li><a href="https://chat.vuejs.org" target="_blank" rel="noopener">Community Chat</a></li>
      <li><a href="https://twitter.com/vuejs" target="_blank" rel="noopener">Twitter</a></li>
      <li><a href="https://news.vuejs.org" target="_blank" rel="noopener">News</a></li>
    </ul>
    <h3>Ecosystem</h3>
    <ul>
      <li><a href="https://router.vuejs.org" target="_blank" rel="noopener">vue-router</a></li>
      <li><a href="https://vuex.vuejs.org" target="_blank" rel="noopener">vuex</a></li>
      <li><a href="https://github.com/vuejs/vue-devtools#vue-devtools" target="_blank" rel="noopener">vue-devtools</a></li>
      <li><a href="https://vue-loader.vuejs.org" target="_blank" rel="noopener">vue-loader</a></li>
      <li><a href="https://github.com/vuejs/awesome-vue" target="_blank" rel="noopener">awesome-vue</a></li>
    </ul>
  </div>
</template>

```

```

HelloWorld.vue - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
</template>

<script>
export default {
  name: 'HelloWorld',
  props: {
    msg: String
  }
}
</script>

<!-- Add "scoped" attribute to limit CSS to this component only -->
<style scoped>
h3 {
  margin: 40px 0 0;
}
ul {
  list-style-type: none;
  padding: 0;
}
li {

```

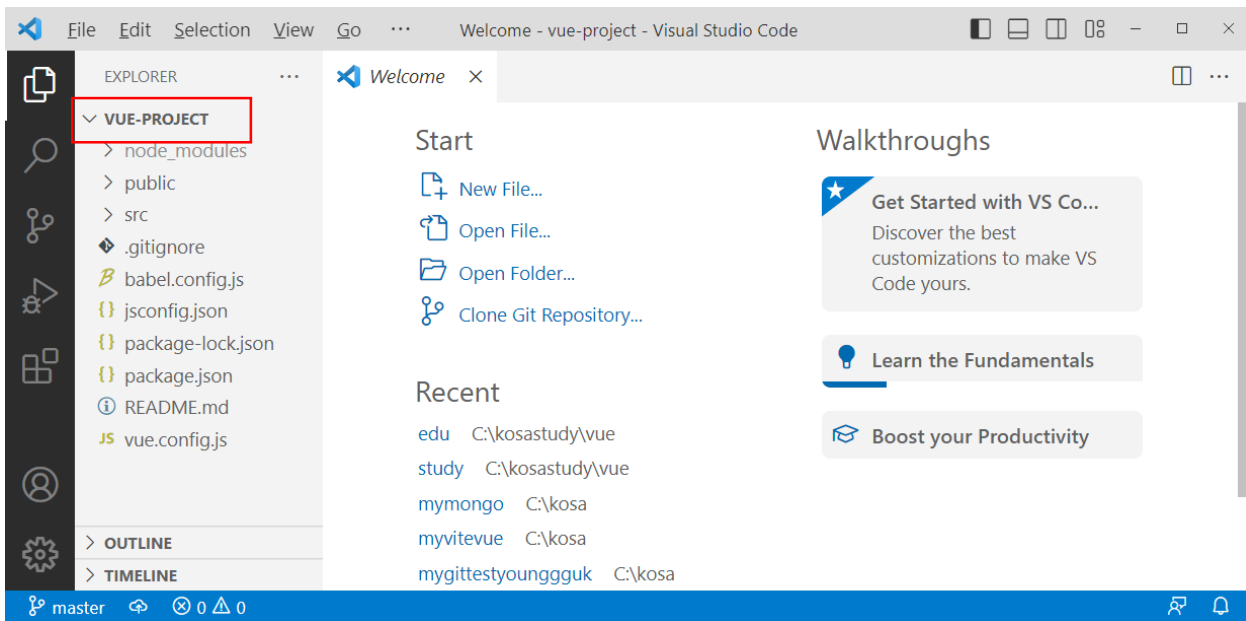
```
package.json - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

{
  "name": "vue-project",
  "version": "0.1.0",
  "private": true,
  "scripts": {
    "serve": "vue-cli-service serve",
    "build": "vue-cli-service build",
    "lint": "vue-cli-service lint"
  },
  "dependencies": {
    "core-js": "^3.8.3",
    "vue": "^3.2.13"
  },
  "devDependencies": {
    "@babel/core": "^7.12.16",
    "@babel/eslint-parser": "^7.12.16",
    "@vue/cli-plugin-babel": "~5.0.0",
    "@vue/cli-plugin-eslint": "~5.0.0",
    "@vue/cli-service": "~5.0.0",
    "eslint": "^7.32.0",
    "eslint-plugin-vue": "^8.0.3"
  },
  "eslintConfig": {
    "root": true,
    "env": {
      "node": true
    },
    "extends": [
      "plugin:vue/vue3-essential",
      "eslint:recommended"
    ],
    "parserOptions": {
      "parser": "@babel/eslint-parser"
    },
    "rules": {}
  }
}
```

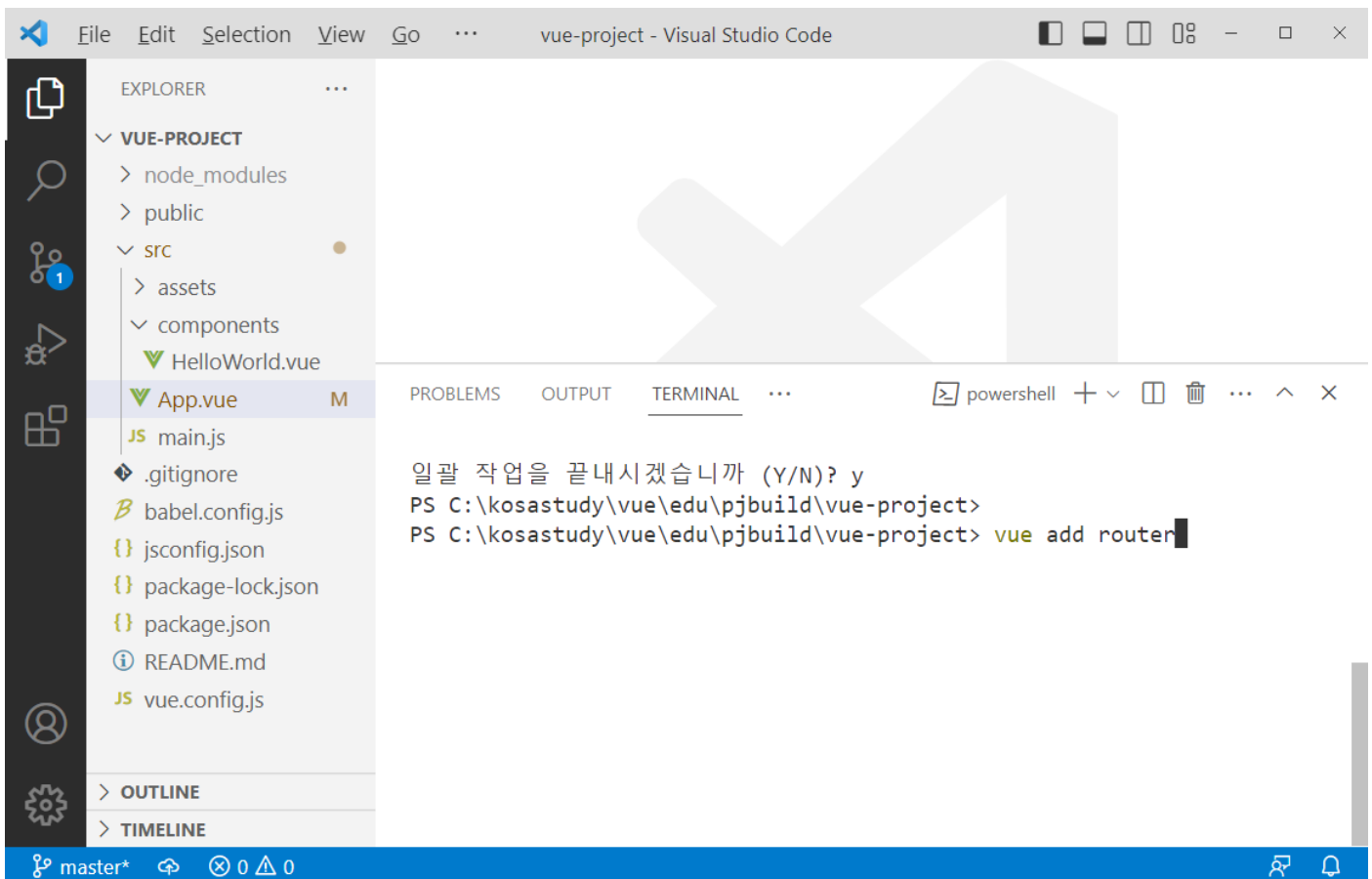
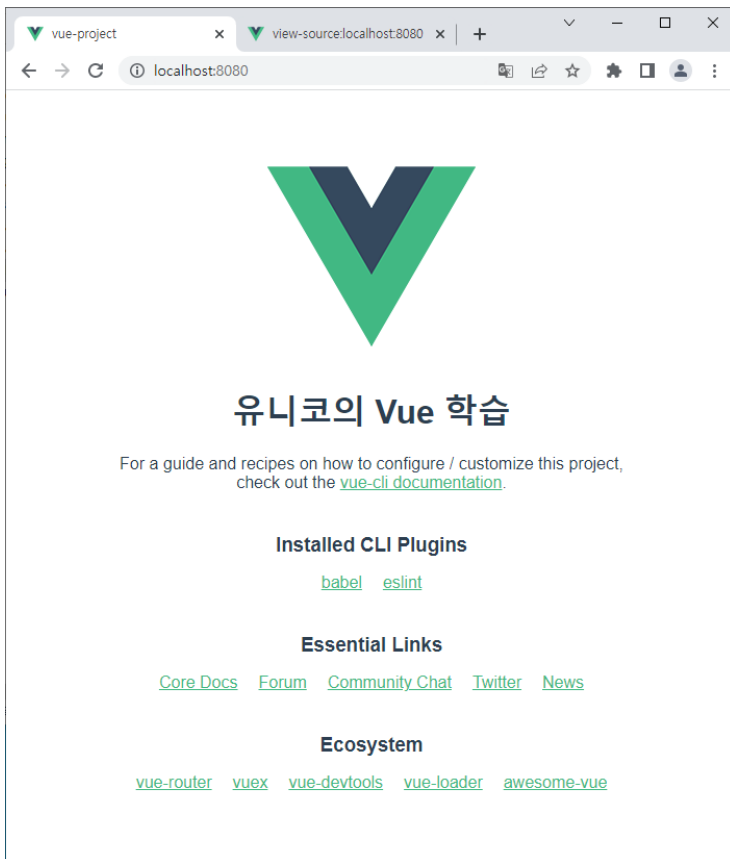
```
vue.config.js - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

const { defineConfig } = require('@vue/cli-service')
module.exports = defineConfig({
  transpileDependencies: true,
  runtimeCompiler: true,
  lintOnSave: false
})
```

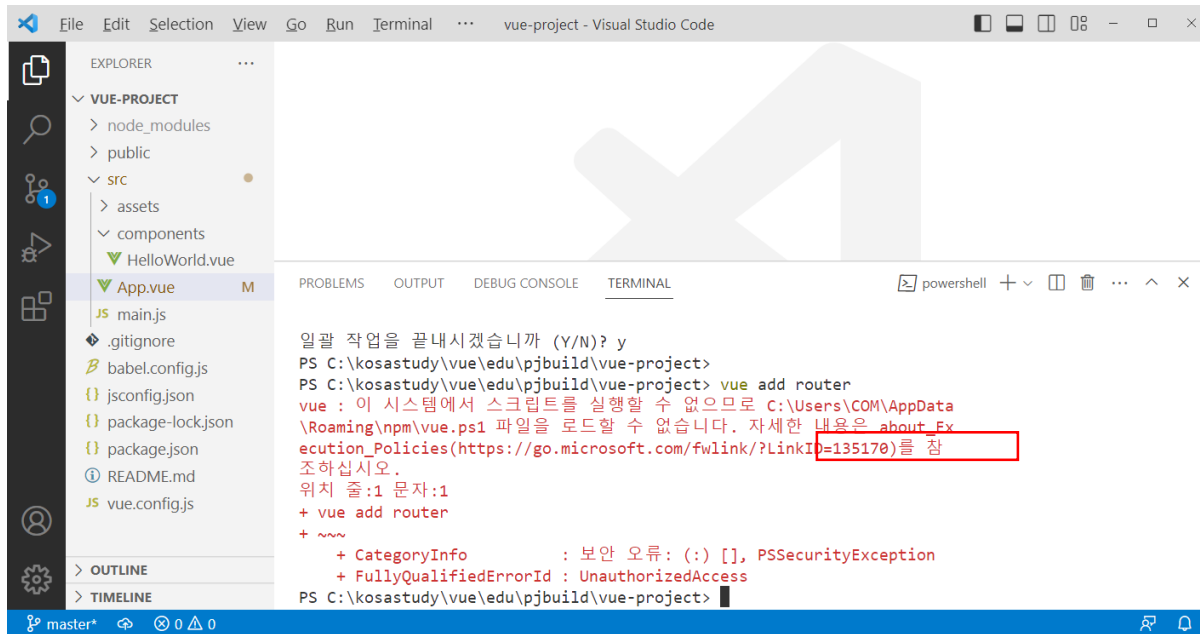
[생성된 프로젝트를 VScode에서 오픈]



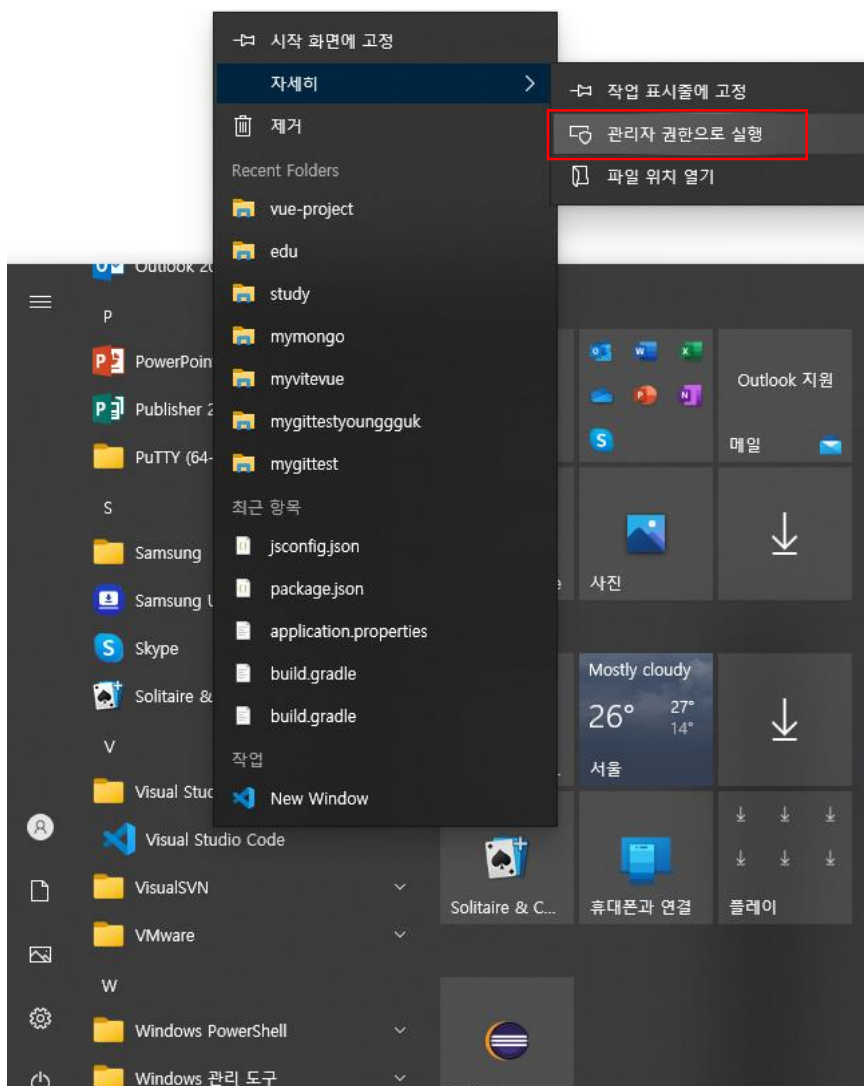
터미널을 기동하고 **npm run serve** 를 실행한다.

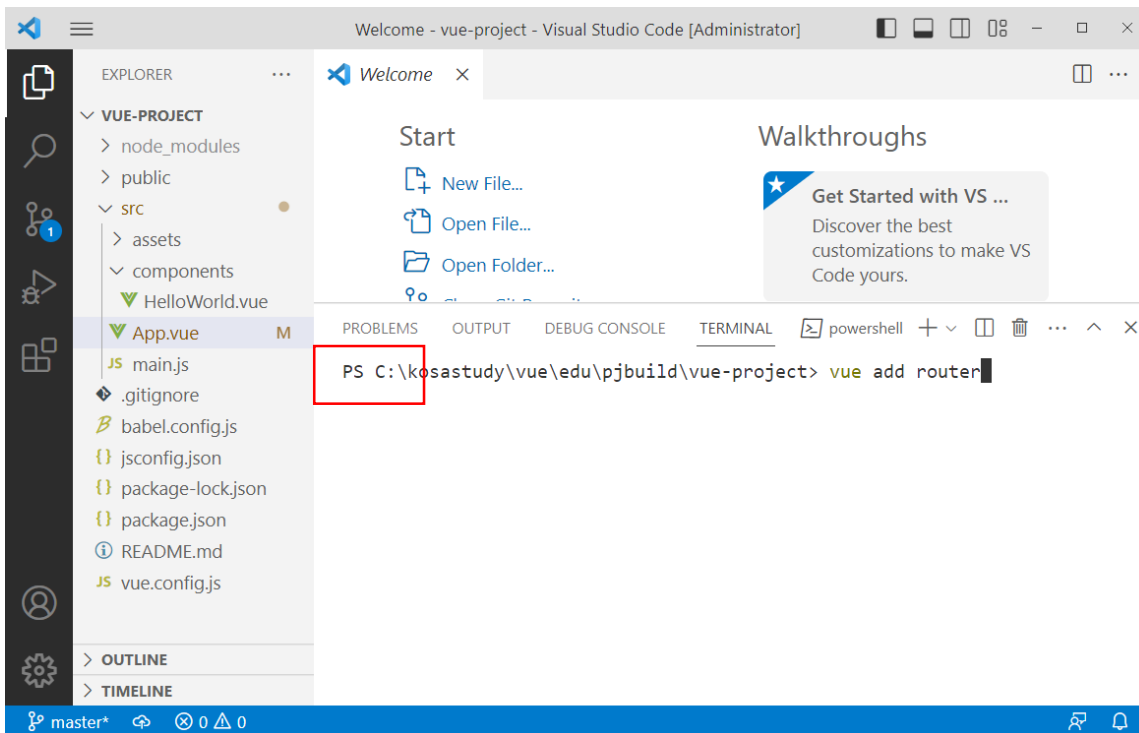


[Vue-Router 설치 및 설정]

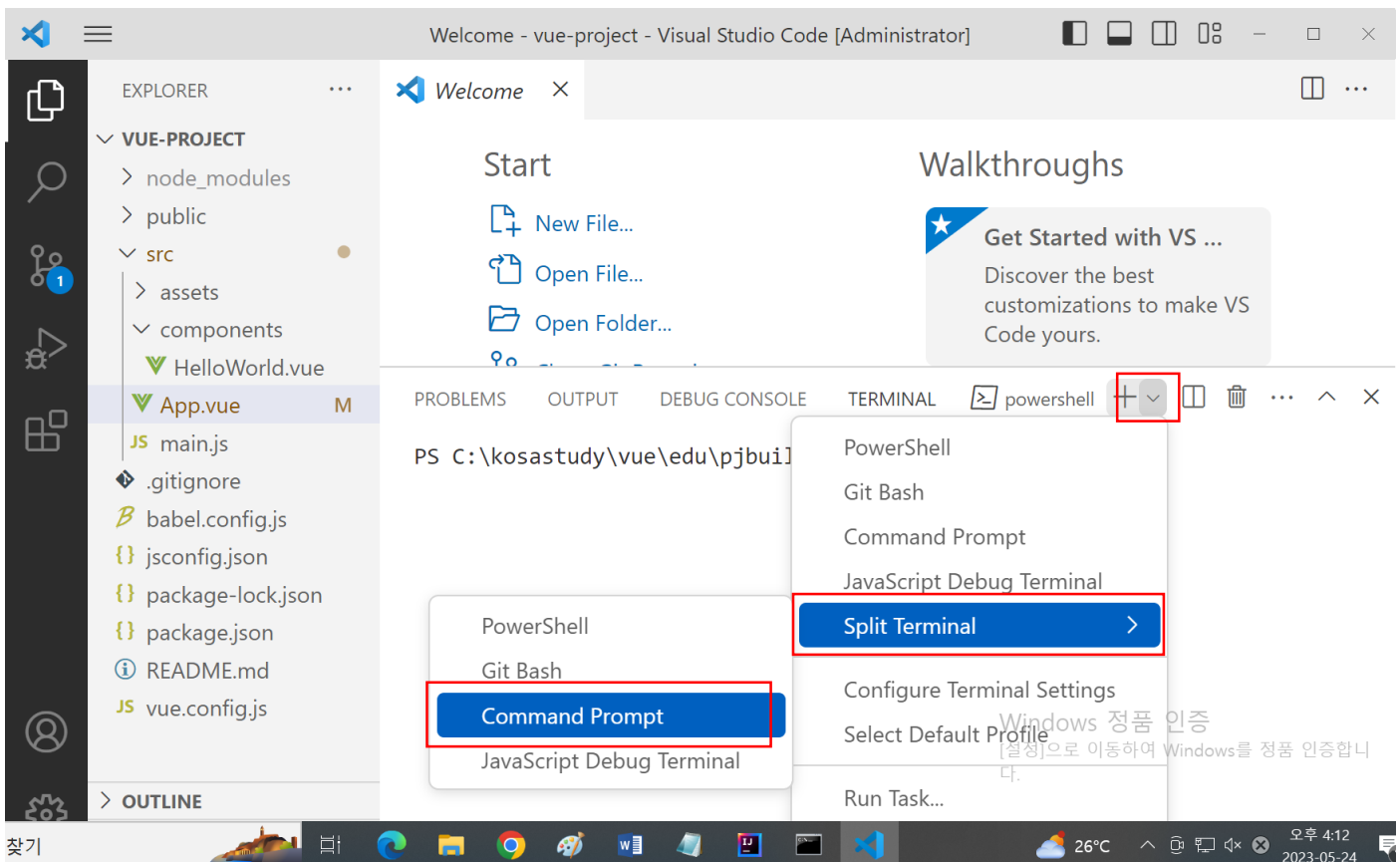


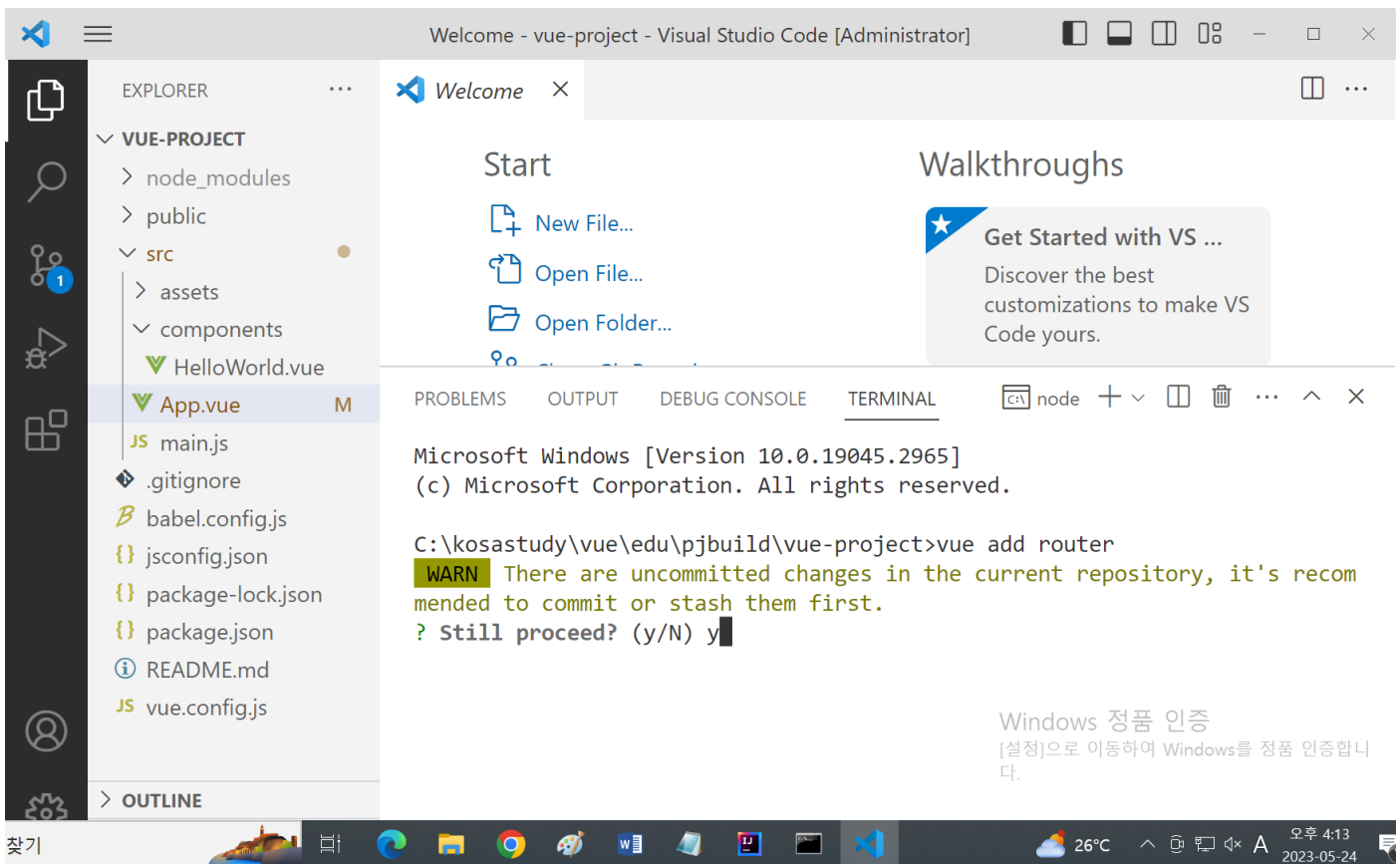
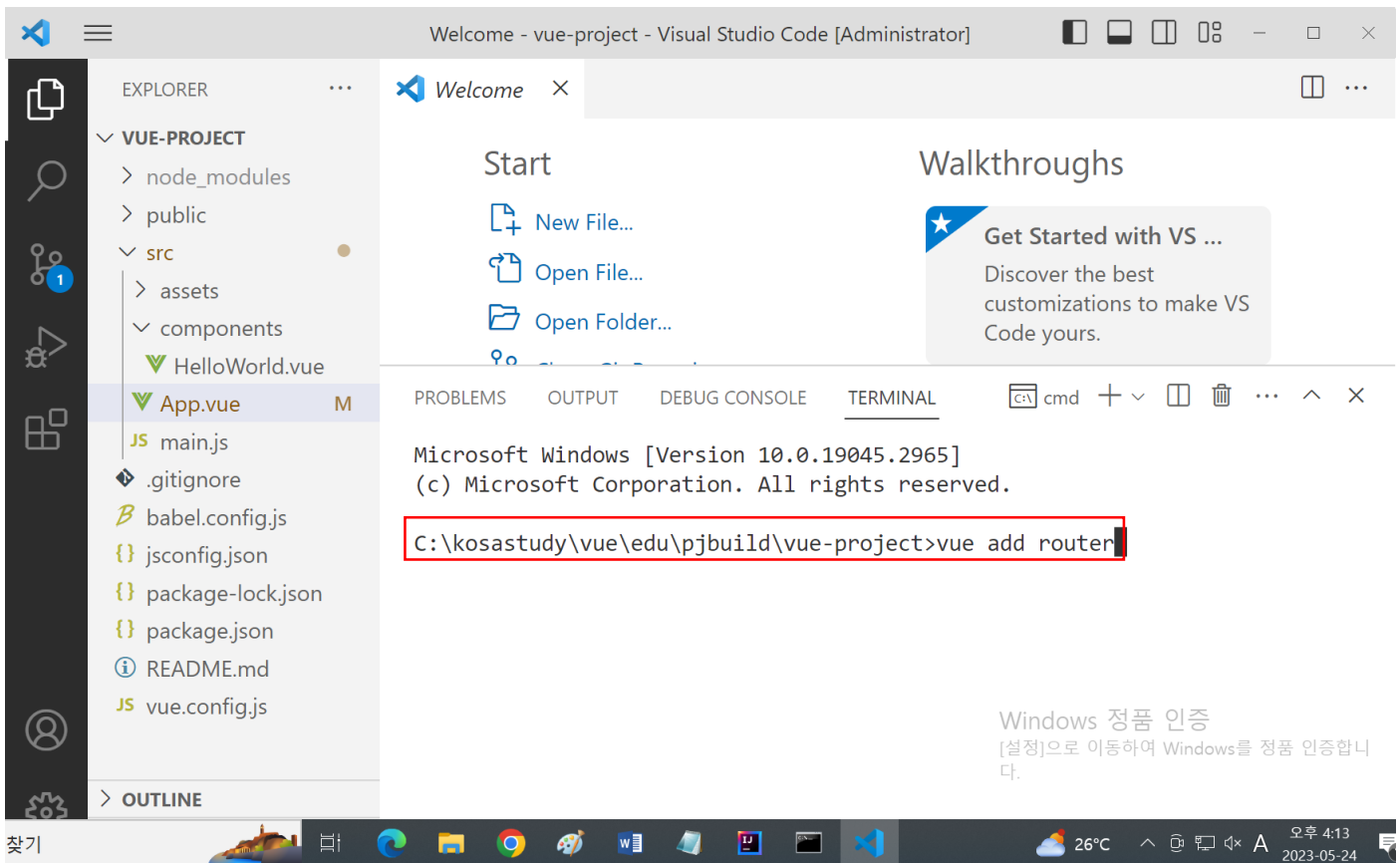
- 파워셸 보안 오류 해결

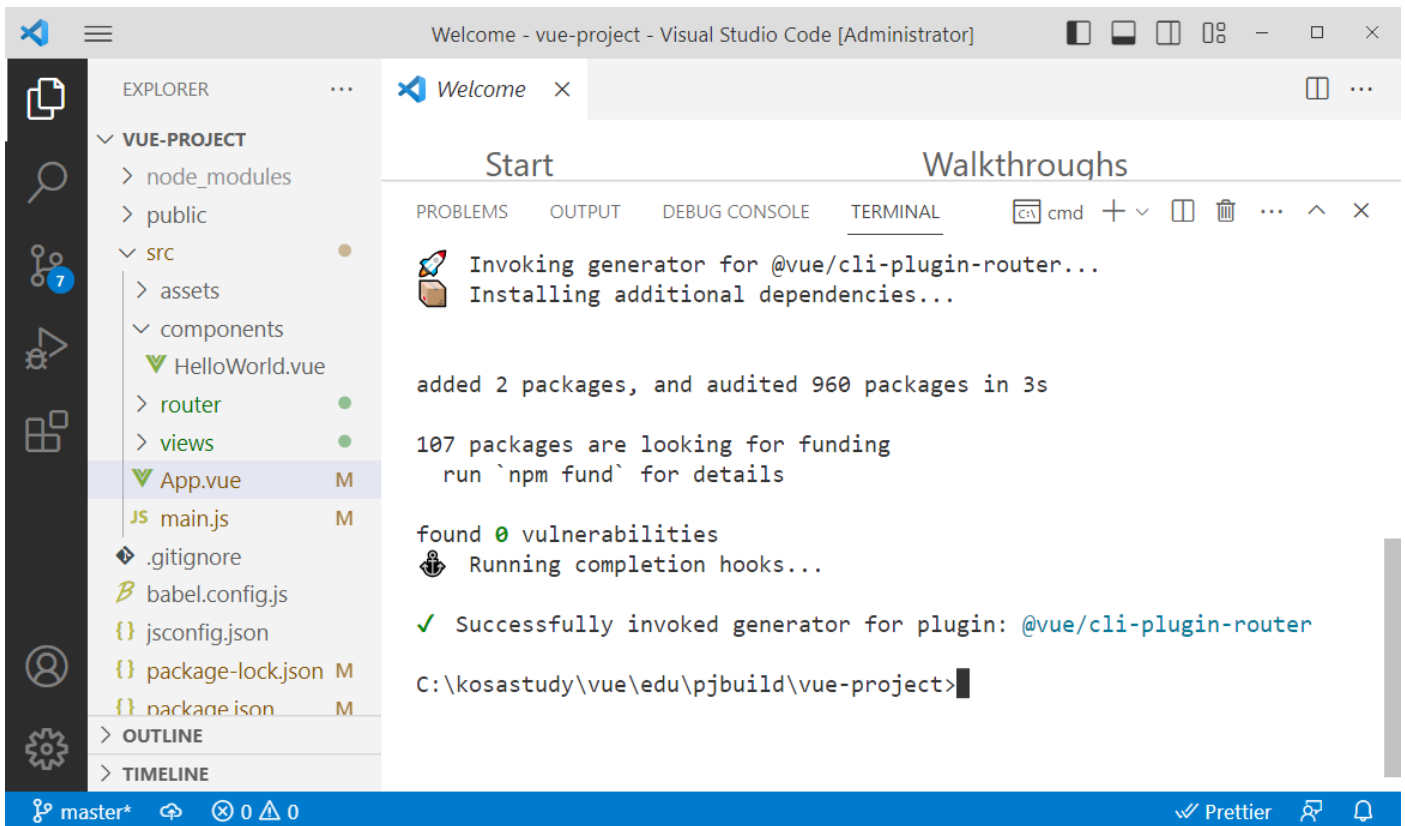
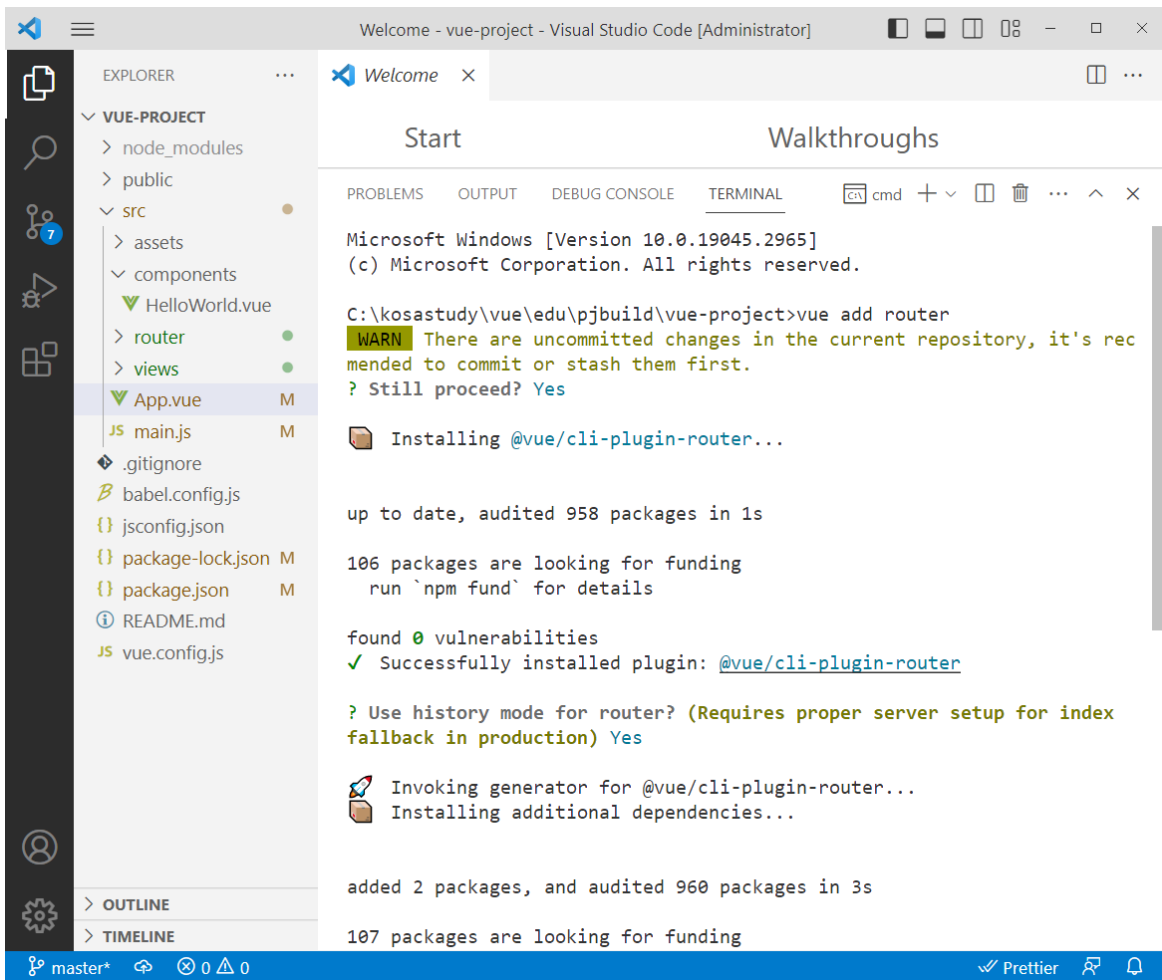


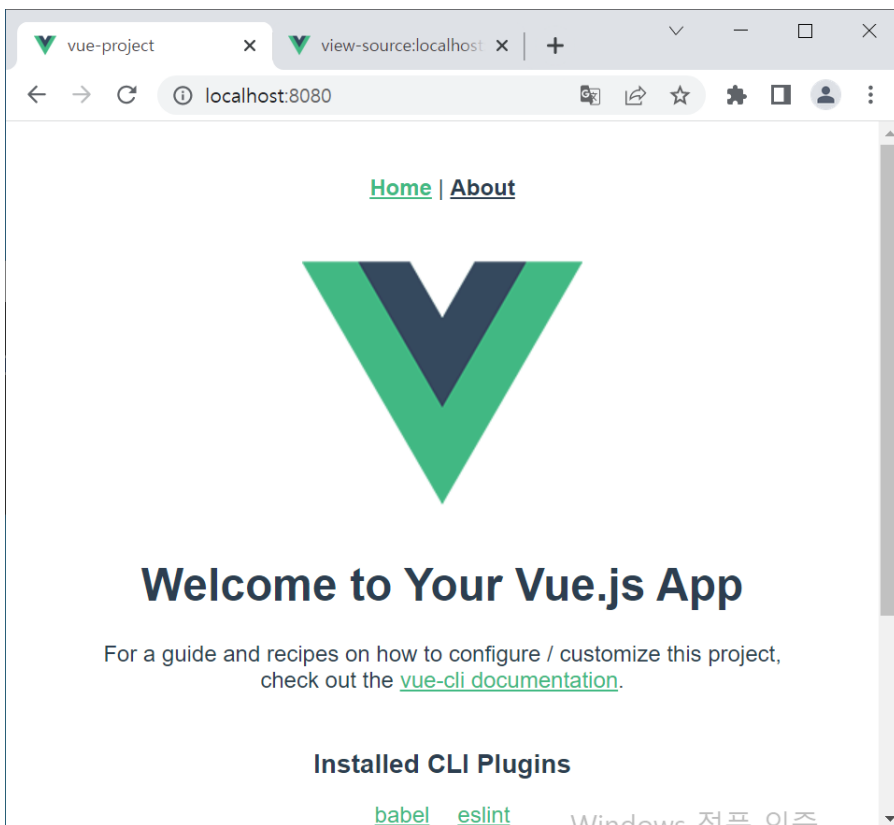
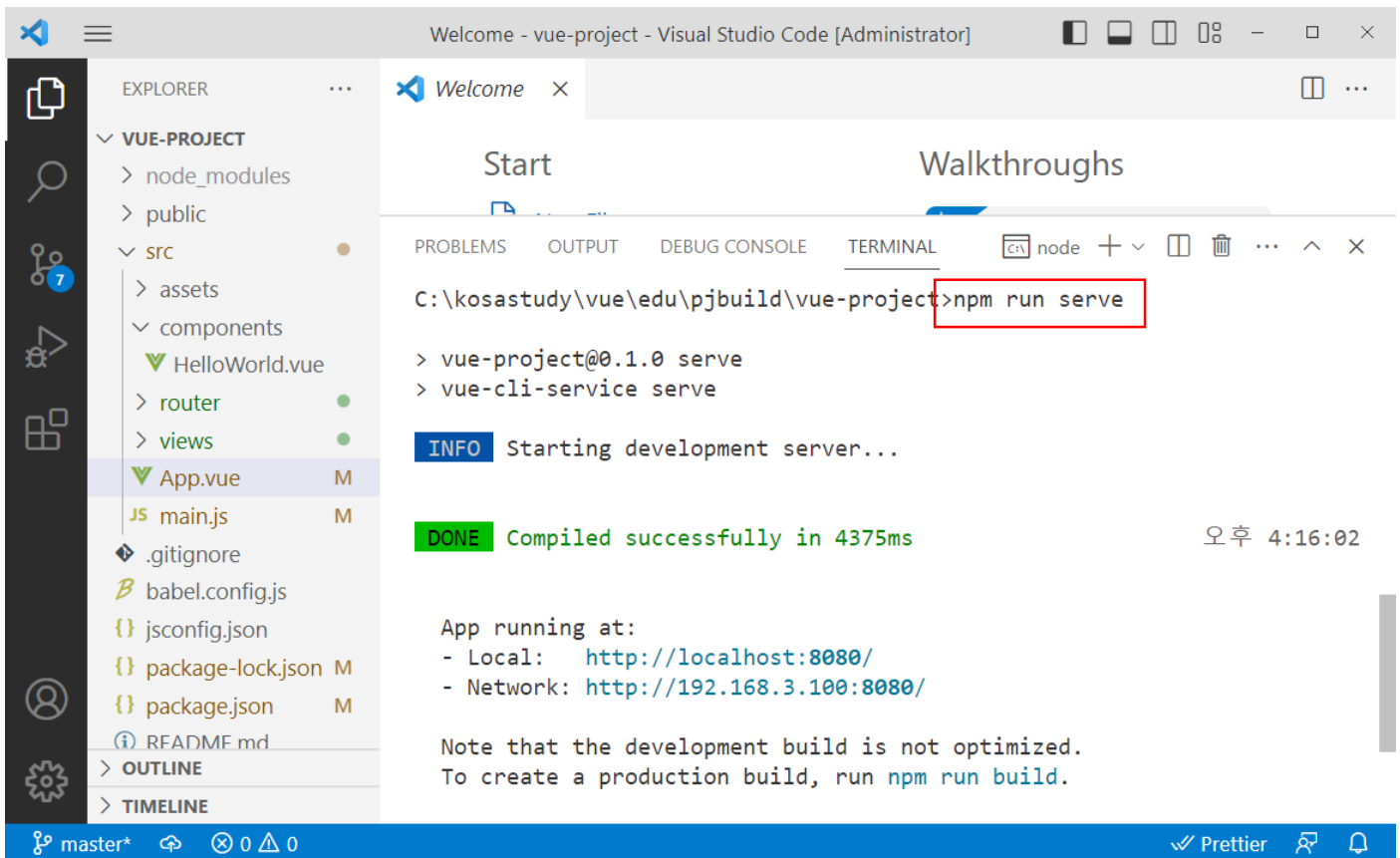


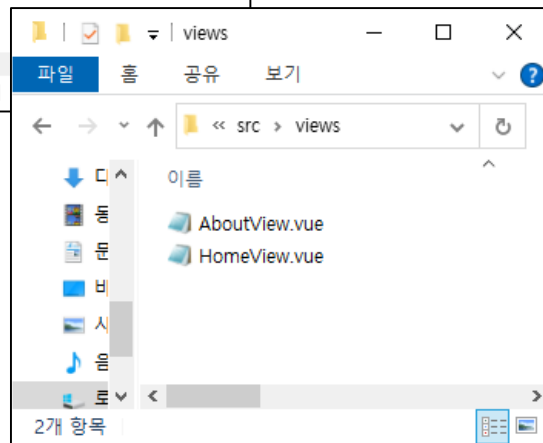
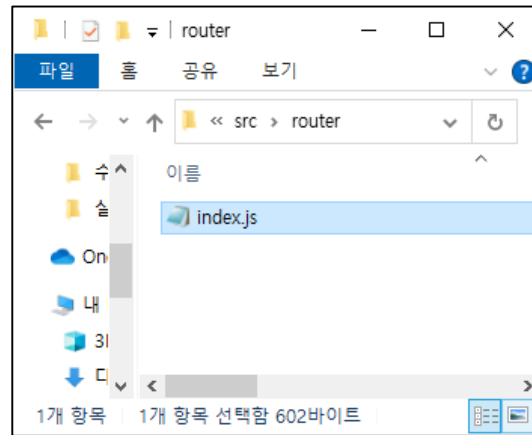
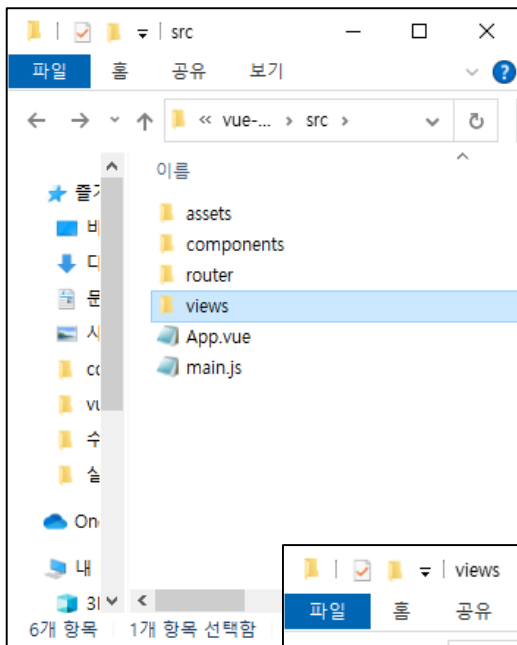
해결이 안되면 파워셸 대신 Command Prompt 를 사용한다.











```
HomeView.vue - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
<template>
  <div class="home">
    
    <HelloWorld msg="Welcome to Your Vue.js App"/>
  </div>
</template>

<script>
// @ is an alias to /src
import HelloWorld from '@components/HelloWorld.vue'

export default {
  name: 'HomeView',
  components: {
    HelloWorld
  }
}
</script>
```

Ln 1, Col 1 100% Unix (LF) UTF-8

```
src > JS main.js
1 import { createApp } from 'vue'
2 import App from './App.vue'
3 import router from './router'
4
5 createApp(App).use(router).mount('#app')
6
```

```
index.js - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
import { createRouter, createWebHistory } from 'vue-router'
import HomeView from '../views/HomeView.vue'

const routes = [
  {
    path: '/',
    name: 'home',
    component: HomeView
  },
  {
    path: '/about',
    name: 'about',
    // route level code-splitting
    // this generates a separate chunk (about.[hash].js) for this route
    // which is lazy-loaded when the route is visited.
    component: () => import(/* webpackChunkName: "about" */ '../views/AboutView.vue')
  }
]

const router = createRouter({
  history: createWebHistory(process.env.BASE_URL),
  routes
})

export default router
```

AboutView.vue - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
<template>
 <div class="about">
 <h1>This is an about page</h1>
 </div>
</template>
Ln 1, Col 1 100% Unix (LF) UTF-8

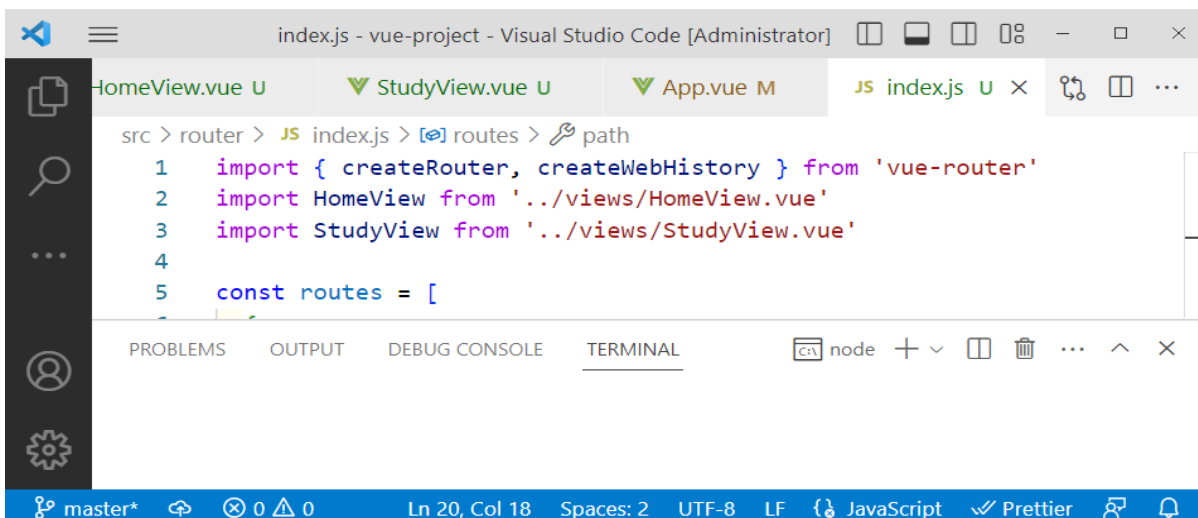
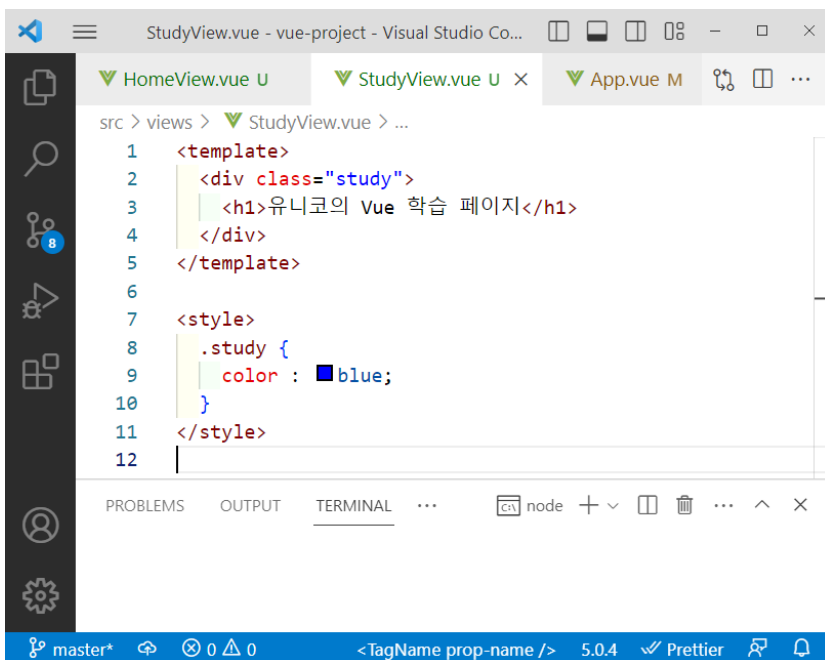
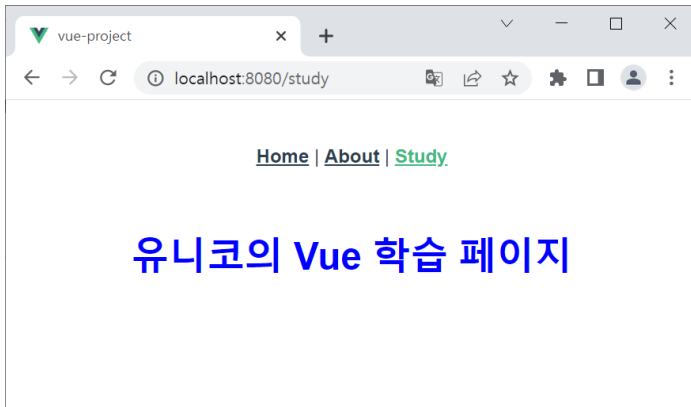
HomeView.vue - Windows 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
<template>
 <div class="home">

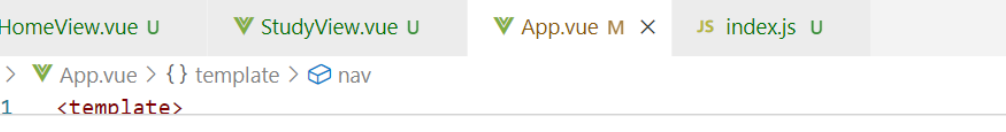
 <HelloWorld msg="Welcome to Your Vue.js App"/>
 </div>
</template>

<script>
 // @ is an alias to /src
 import HelloWorld from '@components/HelloWorld.vue'

 export default {
 name: 'HomeView',
 components: {
 HelloWorld
 }
 }
</script>
Ln 1, Col 1 100% Unix (LF) UTF-8

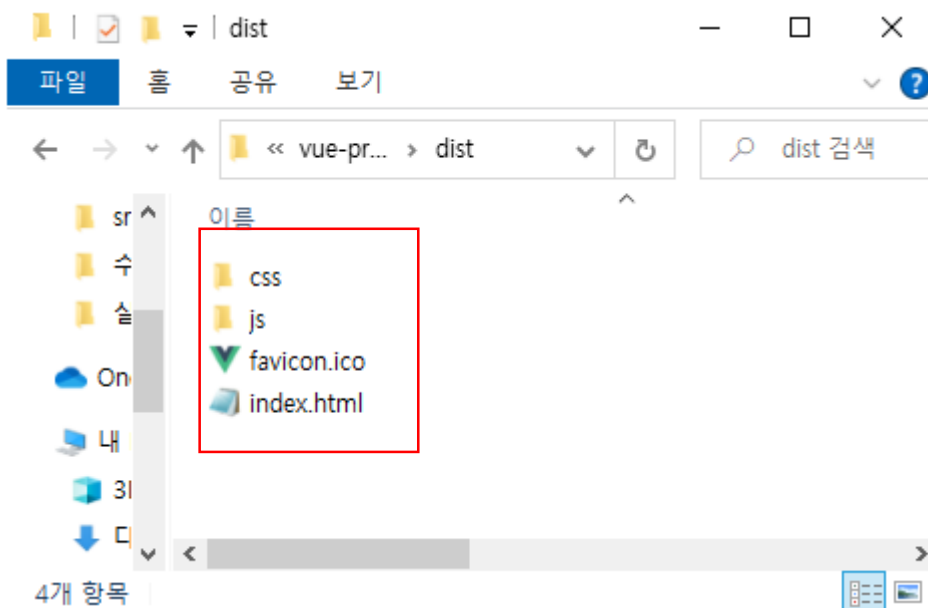
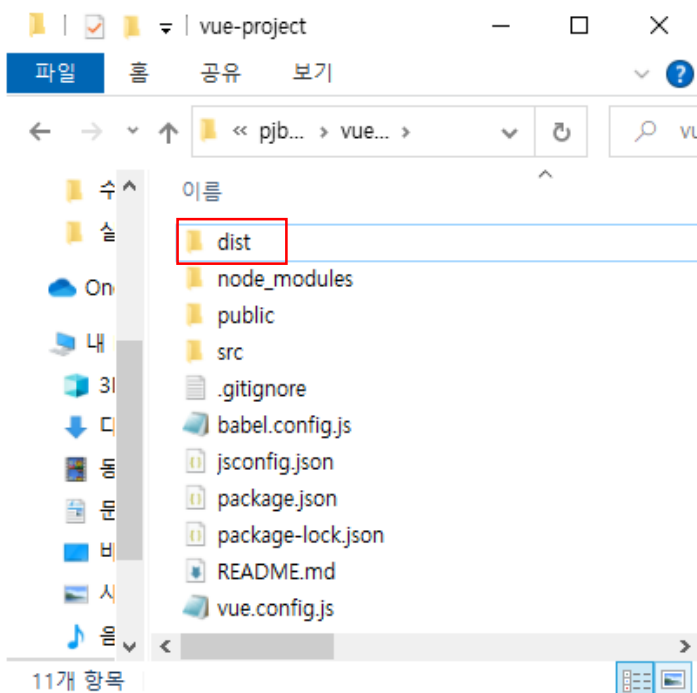
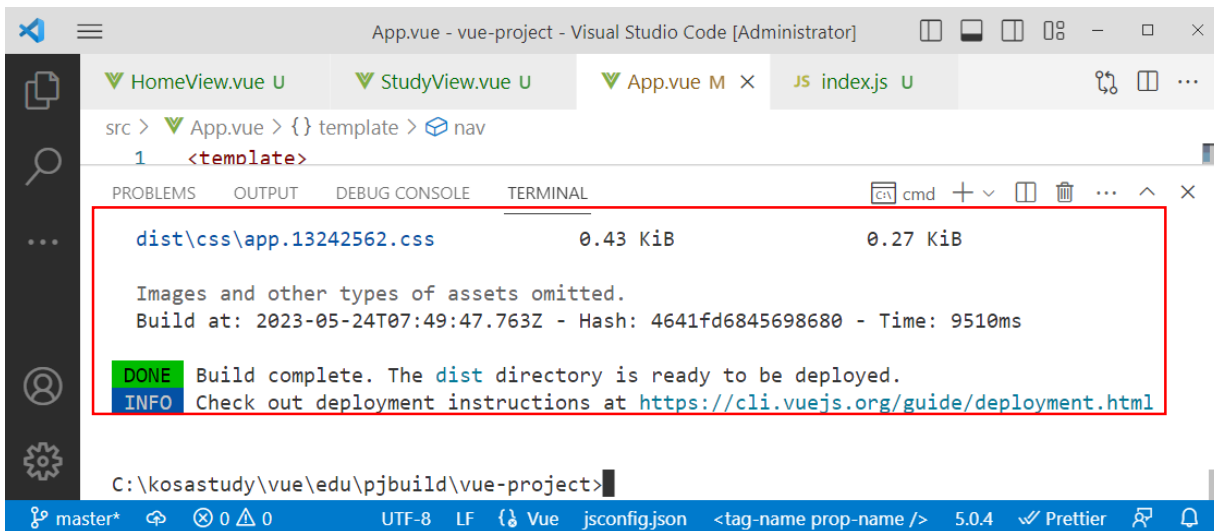
[학습용 뷰 생성]





The screenshot shows the Visual Studio Code interface with the following details:

- File Explorer:** Displays a file tree with `App.vue` selected. The path is `src > App.vue > {} template > nav`.
- Editor:** Shows the content of `App.vue` at line 1, which is `<template>`.
- Terminal:** The output shows the command `npm run build` being executed in the directory `C:\kosastudy\vue\edu\pjbuild\vue-project`. The command is highlighted with a red box.
- Terminal Output:** The prompt `일괄 작업을 끝내시겠습니까 (Y/N)?` is shown, followed by the user input `y`.
- Bottom Bar:** Displays the status bar with information such as `master*`, `UTF-8`, `LF`, `Vue`, `jsconfig.json`, `<tag-name prop-name />`, `5.0.4`, `Prettier`, and a bell icon.



```
C:\WINDOWS\system32\cmd.exe
C:\kosastudy\vue\edu\pjbuild\vue-project>cd dist
C:\kosastudy\vue\edu\pjbuild\vue-project\dist>npx serve

Serving!

- Local:    http://localhost:3000
- Network:  http://192.168.3.100:3000

Copied local address to clipboard!
```

