
HTML에서 웹앱까지

3주차_01

한 동 대 학 교
김군오 교수

학습 목표: HTML5 구조 알아보기

강의내용:

1. HTML5의 개념과 구조
2. 메모장으로 html 파일 작성
3. Visual Studio Code 설치 및 문서 작성

HTML이란?

HTML이란?



Markup Language
Content



Style sheet Language
Presentation



Programming Language
Behavior

1. HyperText Markup Language

HTML이란?



Markup Language
Content



Style sheet Language
Presentation



Programming Language
Behavior

1. HyperText Markup Language
2. 웹페이지 기술을 위한 마크업 언어

HTML이란?



Markup Language
Content



Style sheet Language
Presentation



Programming Language
Behavior

1. HyperText Markup Language
2. 웹페이지 기술을 위한 마크업 언어
3. 웹페이지의 내용과 구조를 담당

HTML5 란?

HTML5 란?

1. 멀티미디어: 플러그인 없이 비디오, 오디오 자체적 지원

HTML5 란?

1. **멀티미디어**: 플러그인 없이 비디오, 오디오 자체적 지원
2. **그래픽**: 3차원 그래픽 지원

HTML5 란?

1. **멀티미디어**: 플러그인 없이 비디오, 오디오 자체적 지원
2. **그래픽**: 3차원 그래픽 지원
3. **통신**: 단방향 통신 → 서버와의 양방향 통신

HTML5 란?

1. **멀티미디어**: 플러그인 없이 비디오, 오디오 자체적 지원
2. **그래픽**: 3차원 그래픽 지원
3. **통신**: 단방향 통신 → 서버와의 양방향 통신
4. **디바이스 접근**: 카메라, 센서 등 제어 가능

HTML5 란?

1. **멀티미디어**: 플러그인 없이 비디오, 오디오 자체적 지원
2. **그래픽**: 3차원 그래픽 지원
3. **통신**: 단방향 통신 → 서버와의 양방향 통신
4. **디바이스 접근**: 카메라, 센서 등 제어 가능
5. **오프라인 및 저장소**: 오프라인에서도 동작 가능

HTML5의 기본 구조

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

HTML5의 기본 구조

```
<!DOCTYPE html>  
<html>  
  <head>  
    <meta charset="utf-8">  
    <title>Hello World</title>  
  </head>  
  <body>  
    <h1>Hello World</h1>  
    <p>안녕하세요! HTML5</p>  
  </body>  
</html>
```

→ HTML5의 문서 선언

HTML5의 기본 구조

```
<!DOCTYPE html>  
<html>  
  <head>  
    <meta charset="utf-8">  
    <title>Hello World</title>  
  </head>  
  <body>  
    <h1>Hello World</h1>  
    <p>안녕하세요! HTML5</p>  
  </body>  
</html>
```

→ 2행에서부터 실질적 html 문서 시작

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

→ <head> 태그 사이
메타데이터, 문서 이름을 입력

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

→ meta 태그

head 태그 안에서 사용

사용자에게는 나타나지 않음

페이지마다 고유한 정보 전달

<meta name="author" content="kok">

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

→ 범용성 문자셋 : charset에 utf-8을 설정

AWS EC2 서버에서는 utf-8 사용

예) 한글 문자셋 : euc-kr, ISO-2022-kr

일본어 문자셋 : euc-jp, shift_jis

HTML5의 기본 구조

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

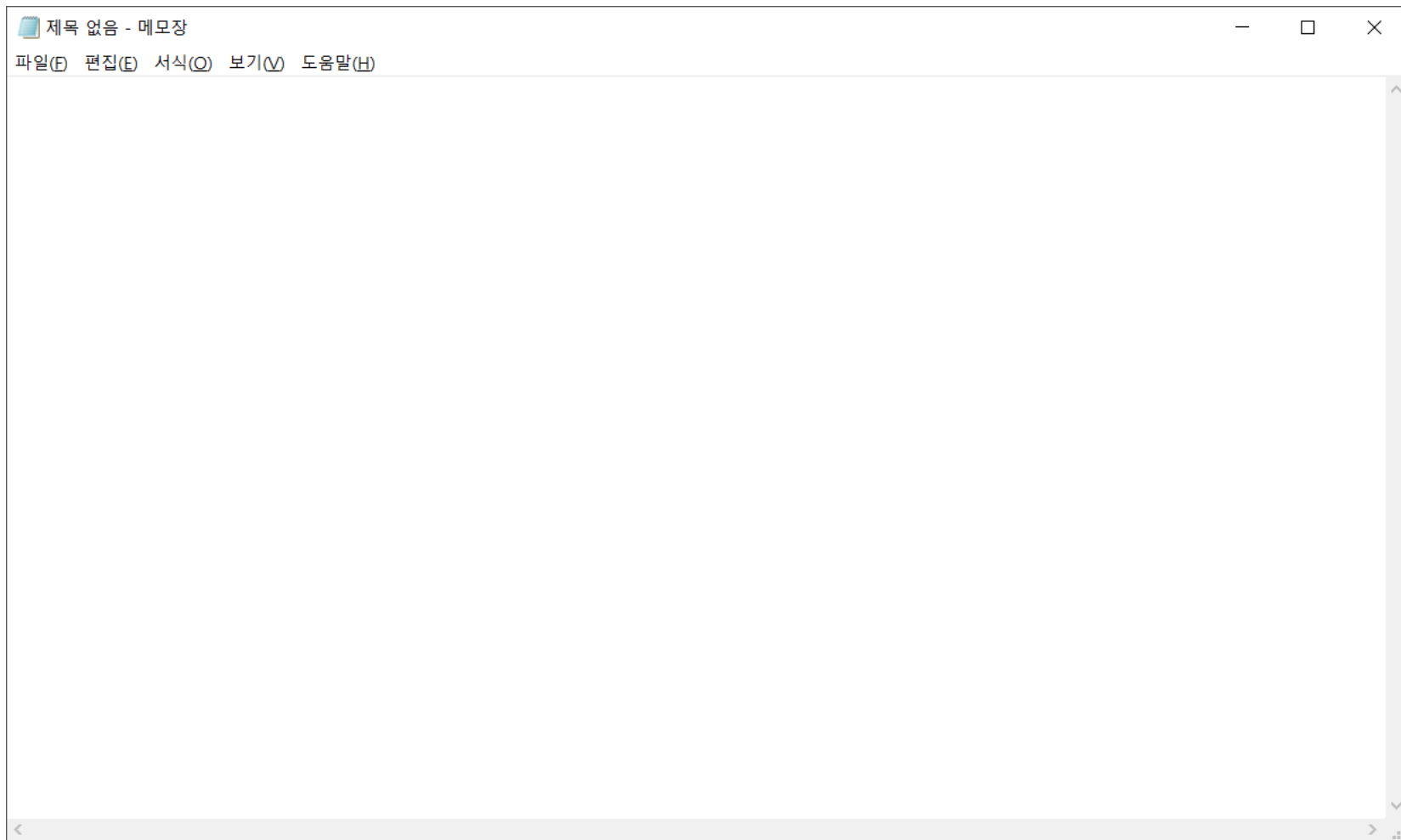
→ <body> 태그 사이는 웹 브라우저 출력

HTML5의 기본 구조


```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```

→ <h1>, <p> 태그 기능을 적용
웹 브라우저에 출력

메모장 실습




메모장 실습

 제목 없음 - 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>안녕하세요! HTML5</p>
  </body>
</html>
```


메모장 실습

 제목 없음 - 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

새로 만들기(N) Ctrl+N

열기(O)... Ctrl+O

저장(S) Ctrl+S

다른 이름으로 저장(A)...

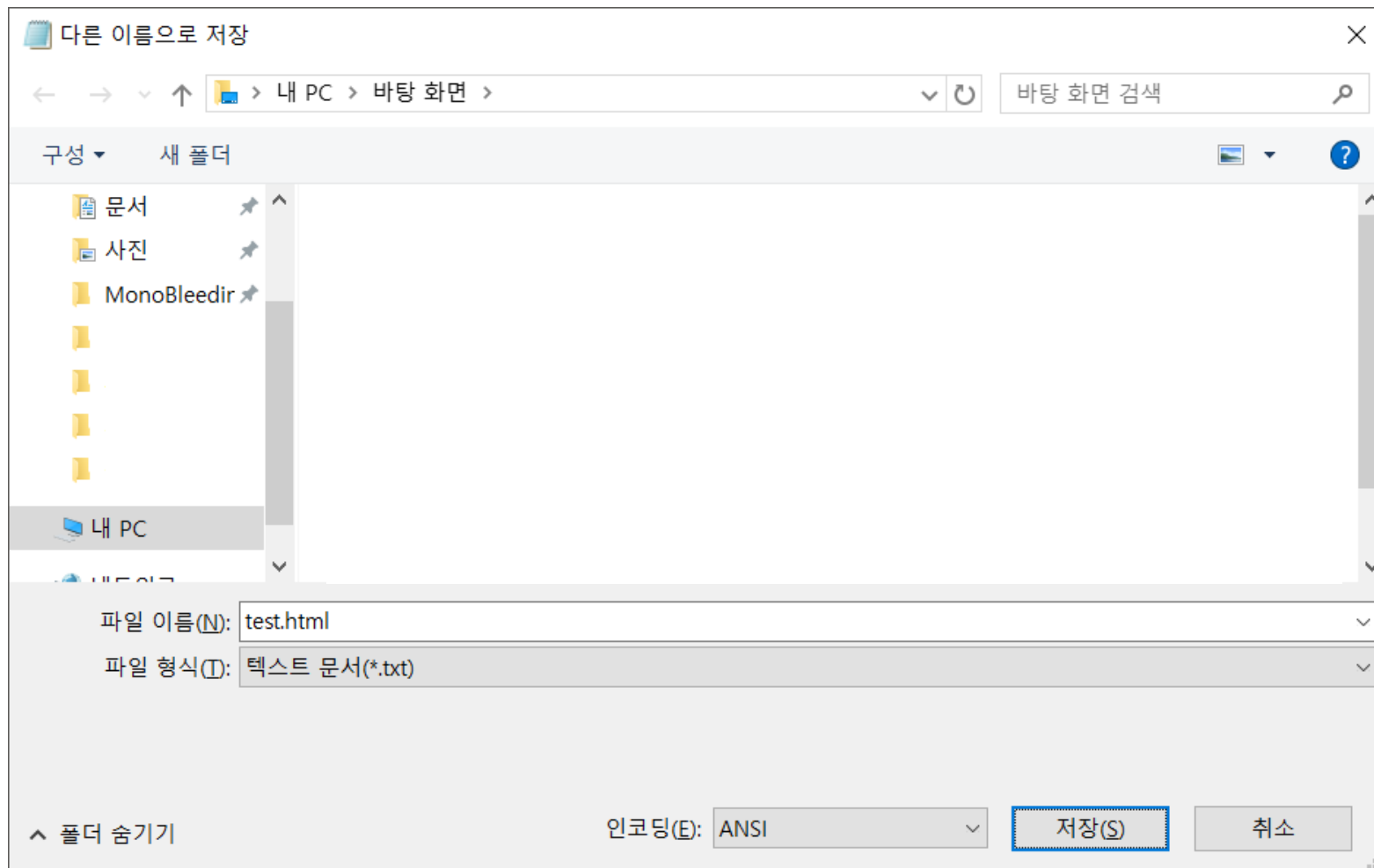
페이지 설정(U)...

인쇄(P)... Ctrl+P

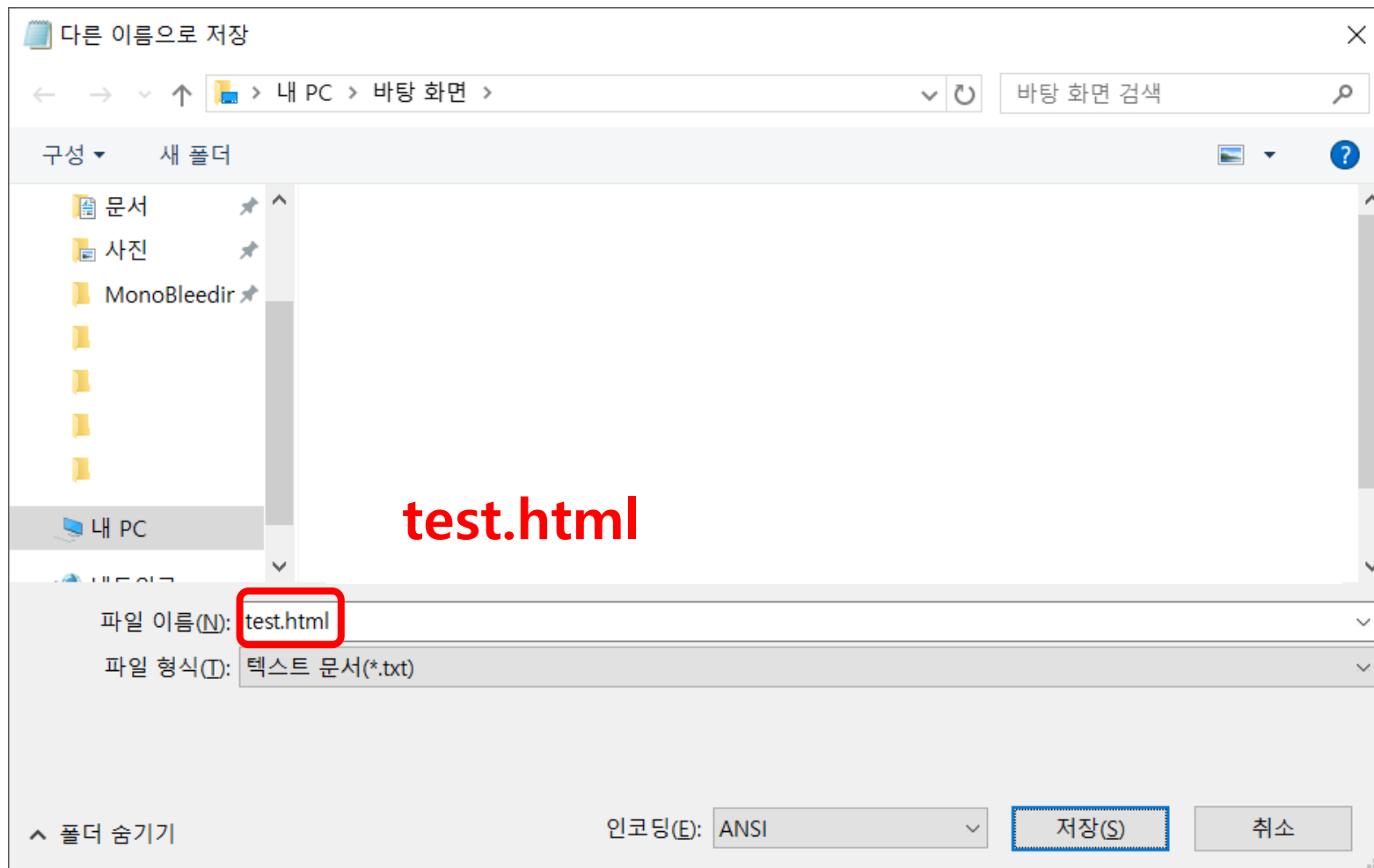
끝내기(X)

```
<body>
<h1>Hello World</h1>
<p>안녕하세요! HTML5</p>
</body>
</html>|
```

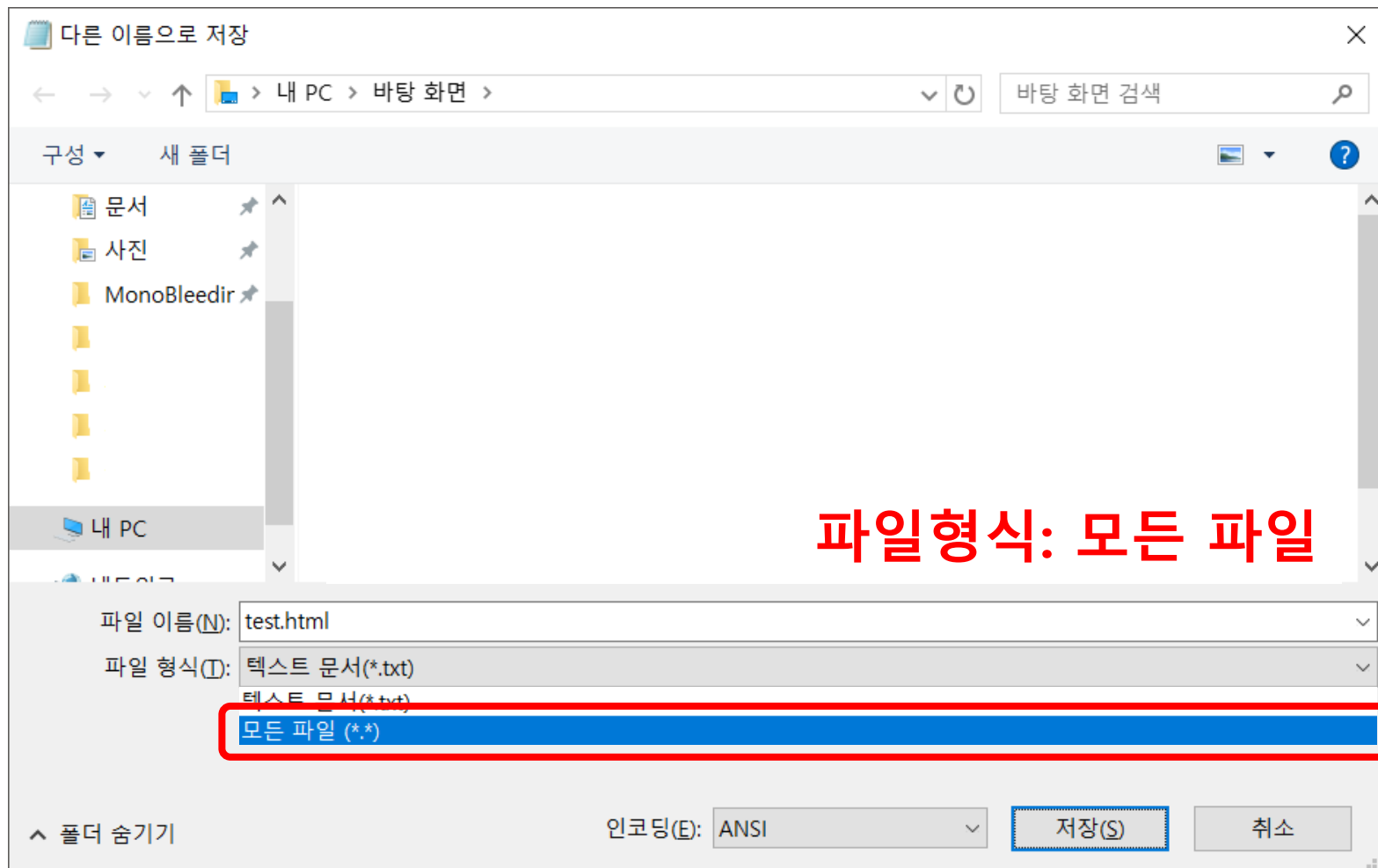
메모장 실습



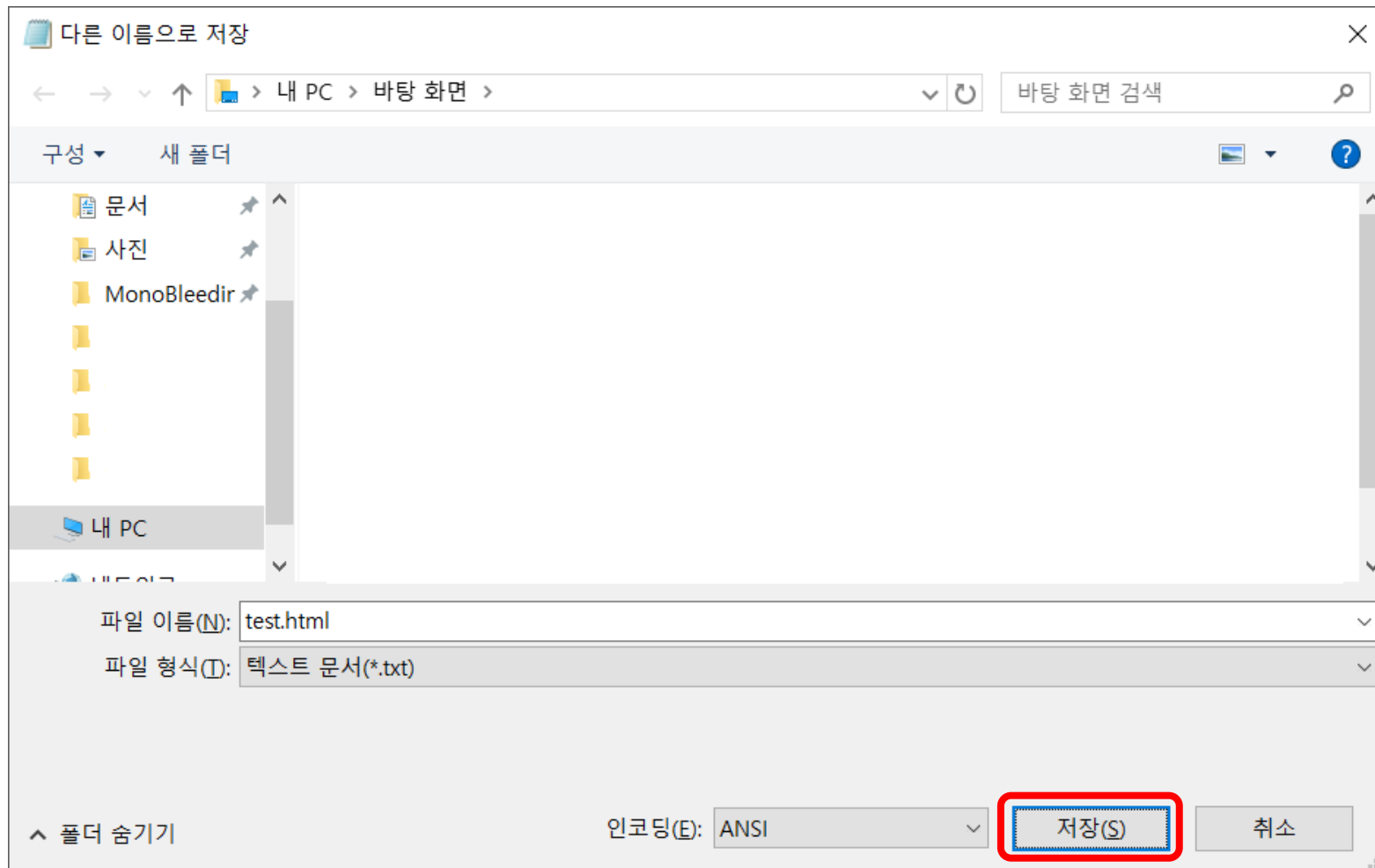
메모장 실습



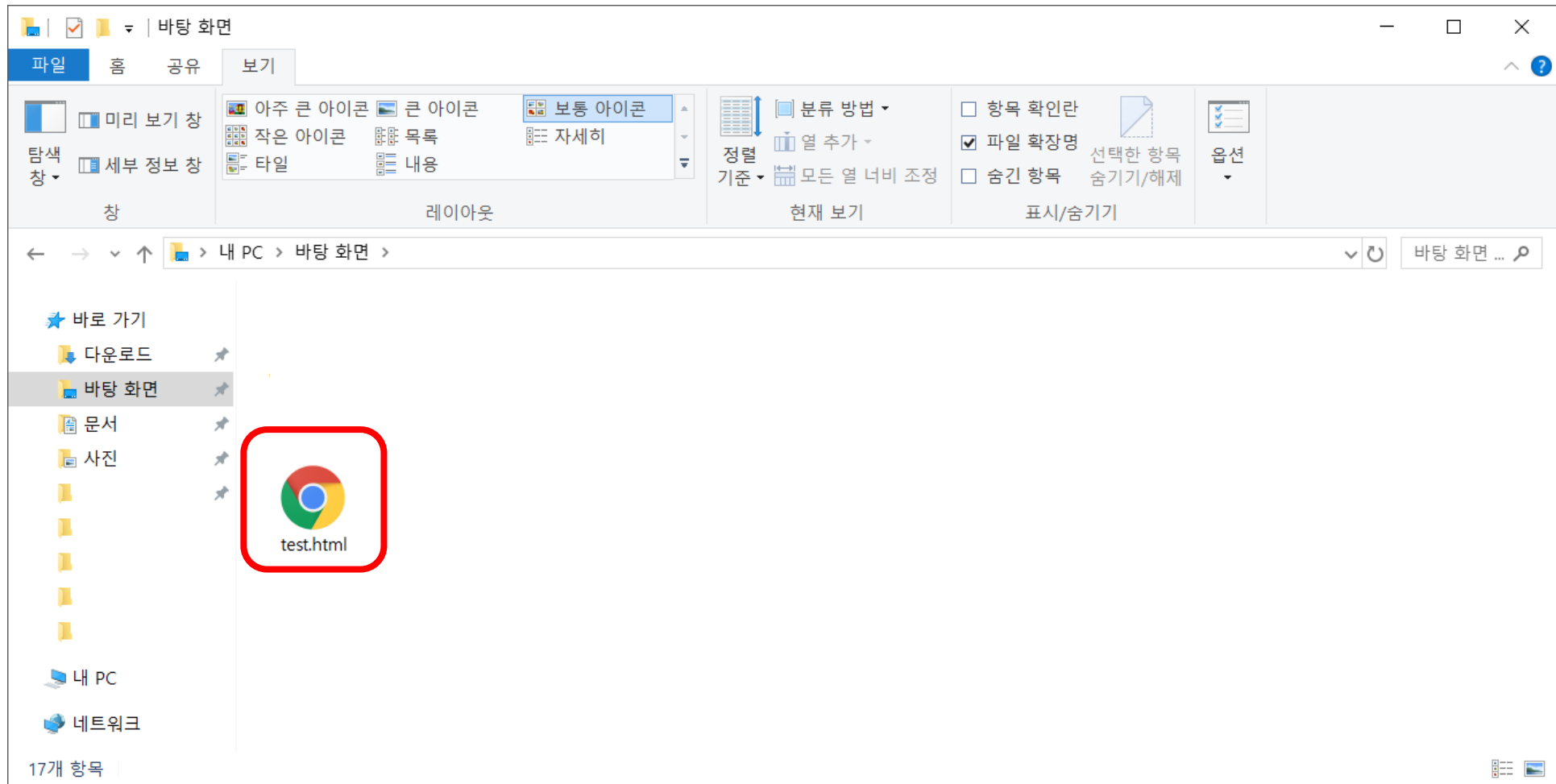
메모장 실습



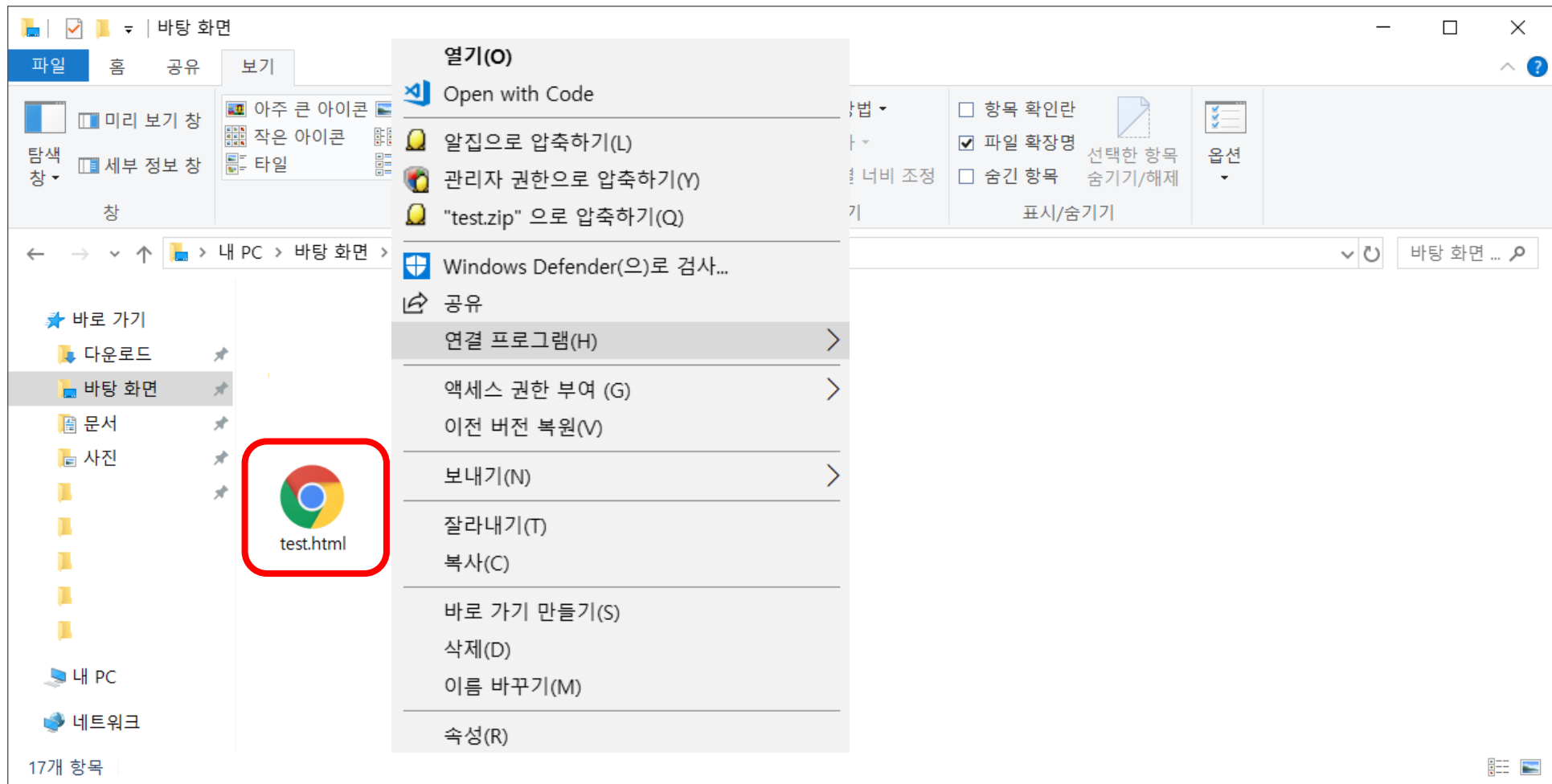
메모장 실습



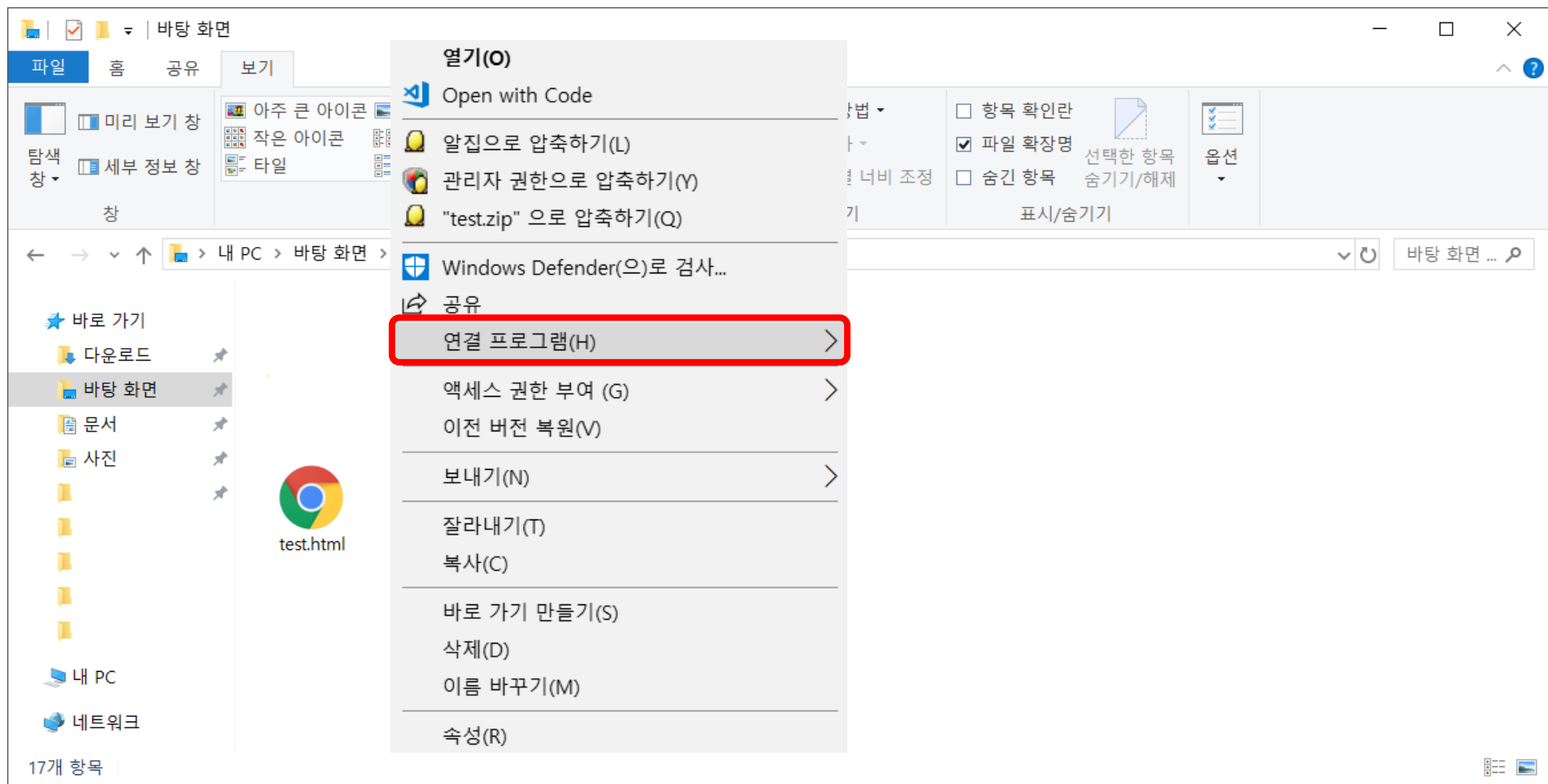
메모장 실습



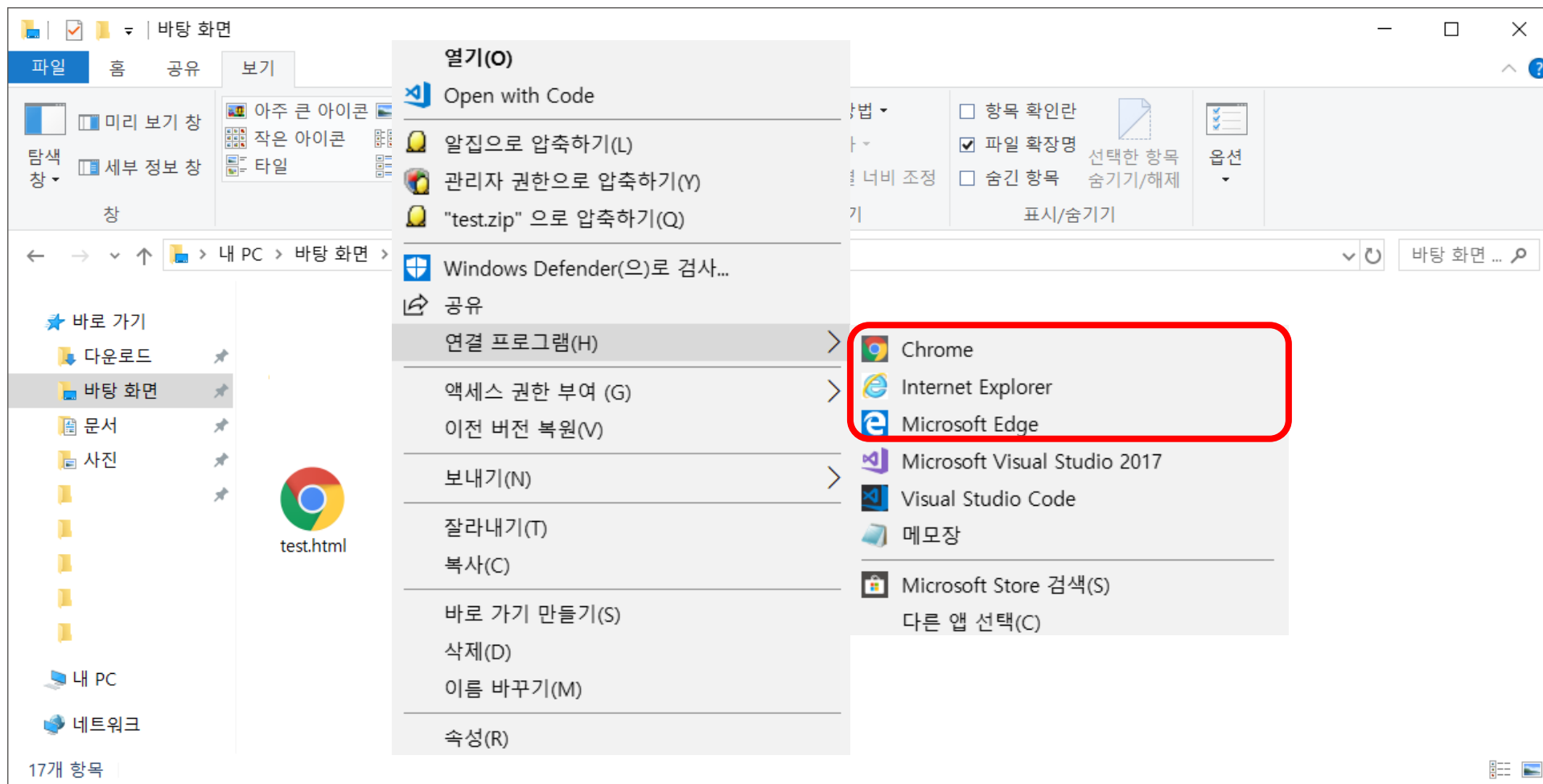
메모장 실습



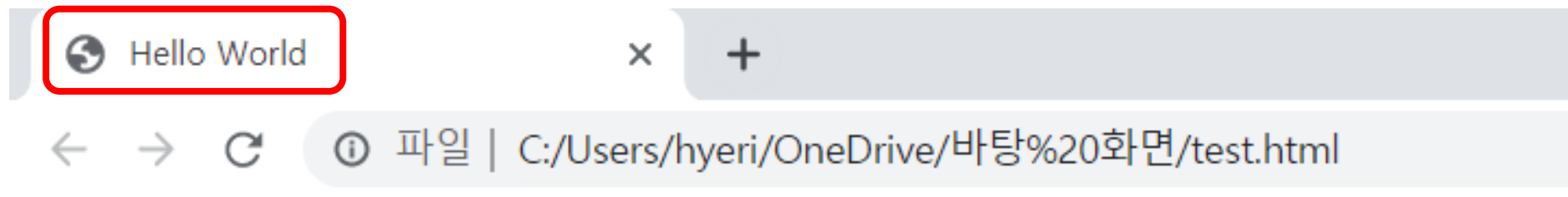
메모장 실습



메모장 실습

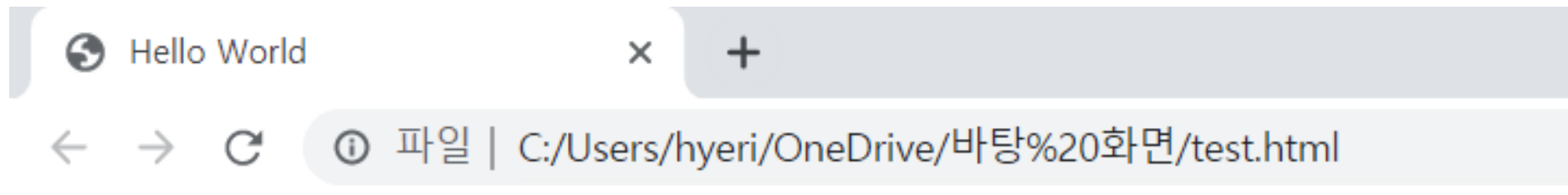


메모장 실습



Hello World

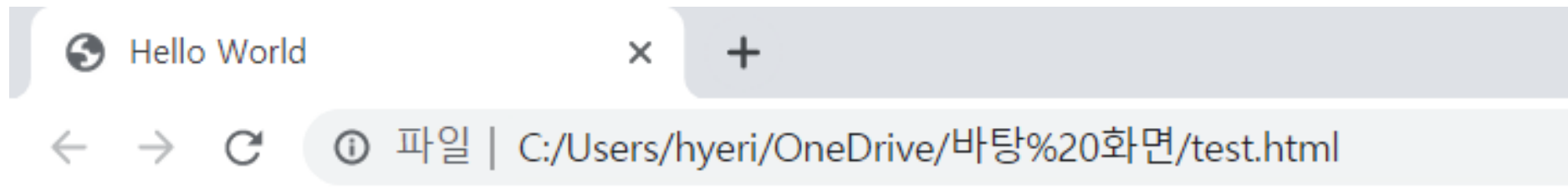
??̃??p???! HTML5



Hello World

⦿ \bar{y} ⦿⦿ μ ⦿⦿⦿! HTML5

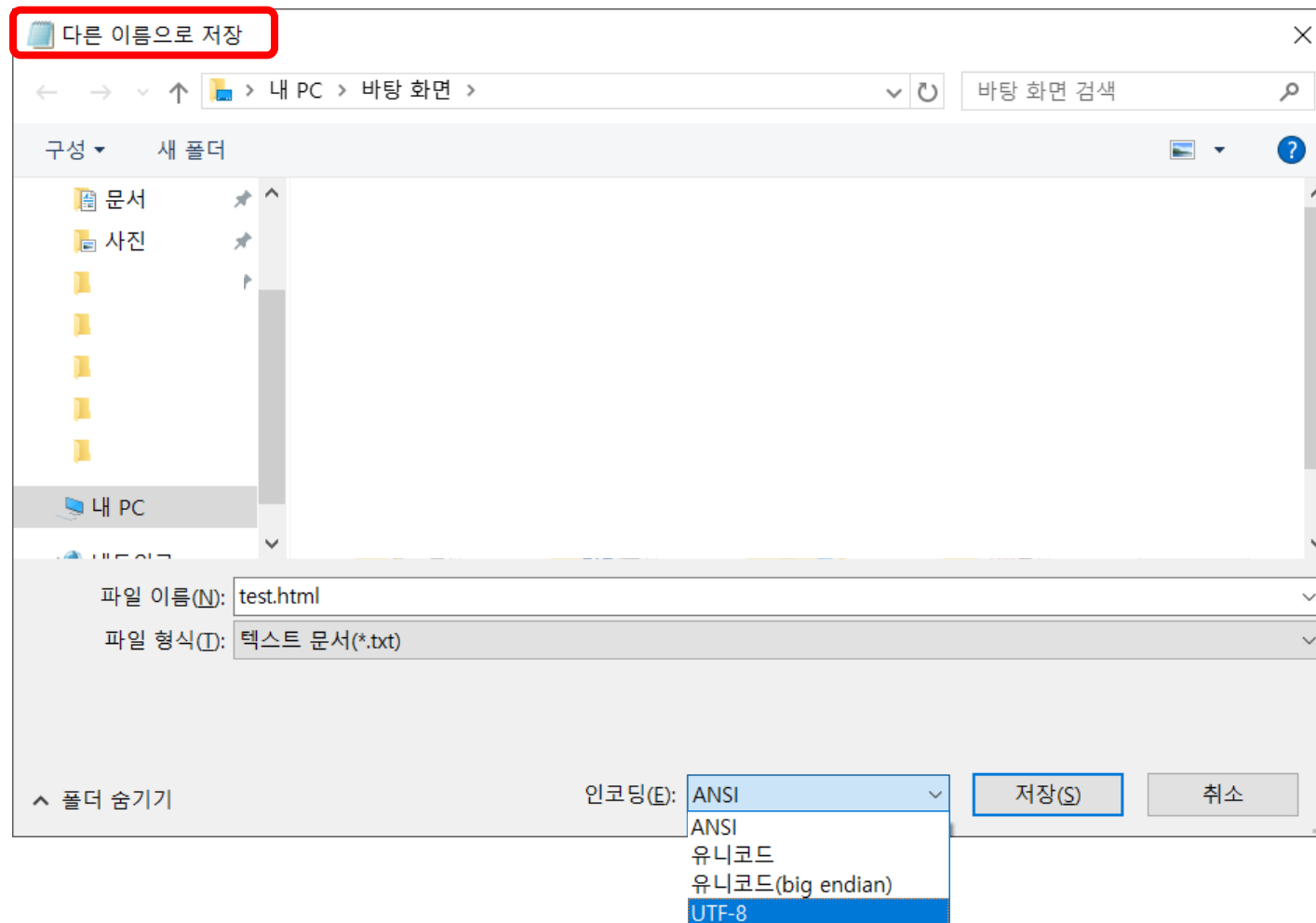
메모장 실습



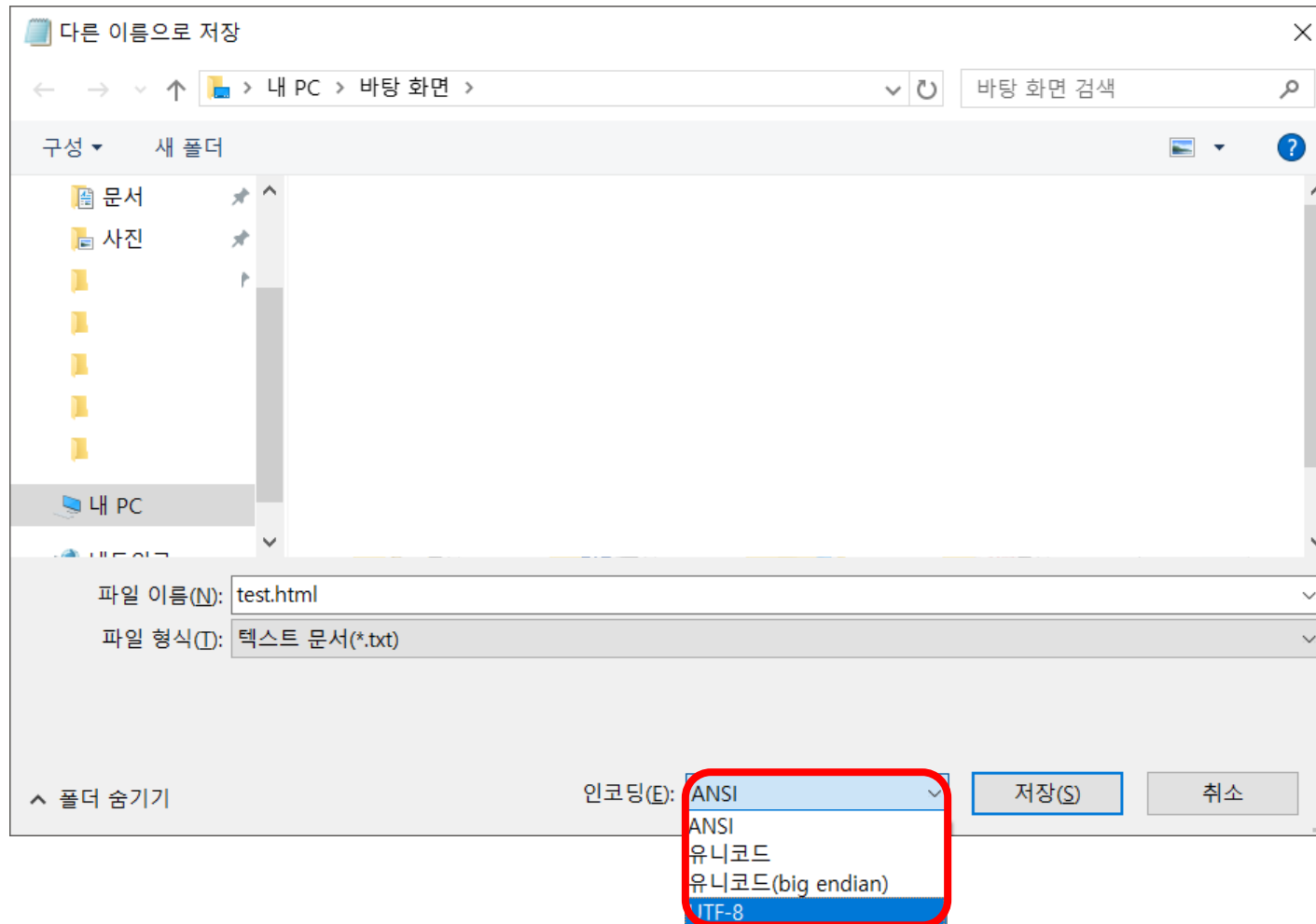
Hello World

??̃??p???! HTML5

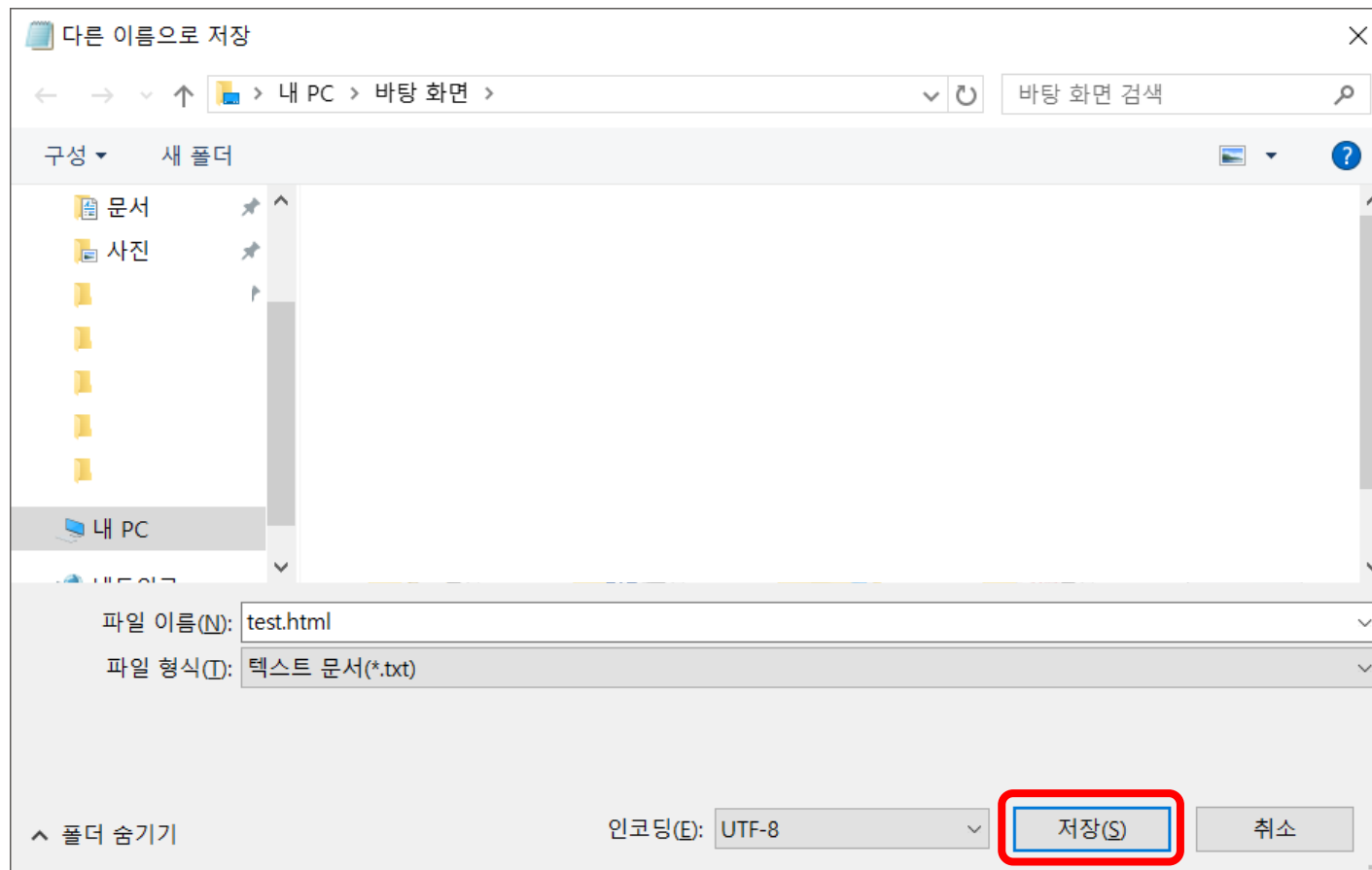
메모장 실습



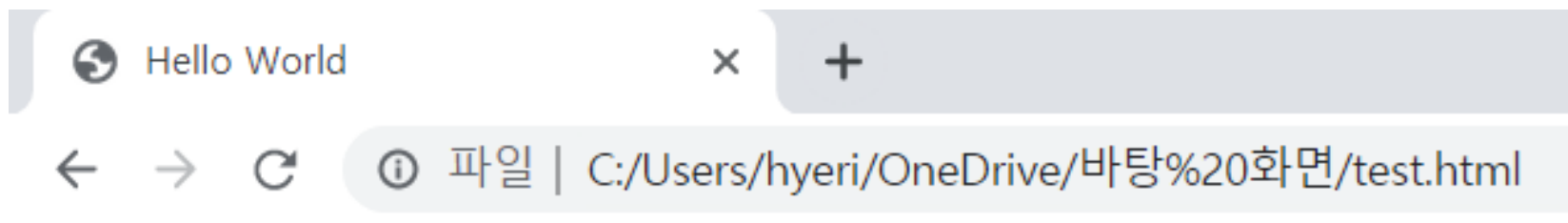
메모장 실습



메모장 실습



메모장 실습



Hello World

안녕하세요! HTML5

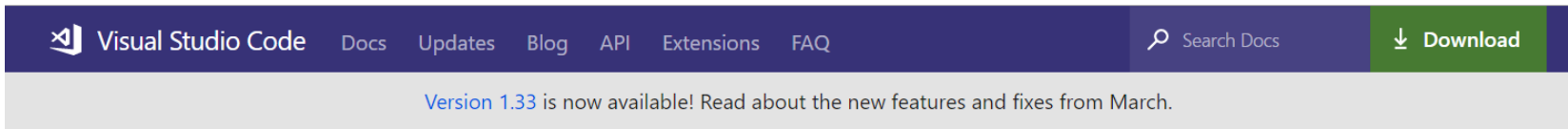
Visual Studio Code 실습

Visual Studio Code 실습

<https://code.visualstudio.com/Download>

Visual Studio Code 실습

<https://code.visualstudio.com/Download>



Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.



↓ Windows

Windows 7, 8, 10

User Installer	64 bit	32 bit
System Installer	64 bit	32 bit
.zip	64 bit	32 bit



↓ .deb

Debian, Ubuntu

↓ .rpm

Red Hat, Fedora, SUSE

.deb	64 bit	32 bit
.rpm	64 bit	32 bit
.tar.gz	64 bit	32 bit

[Snap Store](#)

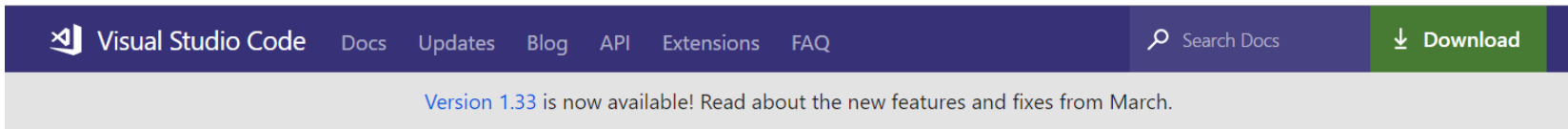


↓ Mac

macOS 10.9+

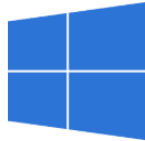
Visual Studio Code 실습


<https://code.visualstudio.com/Download>




Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.


[↓ Windows](#)
Windows 7, 8, 10


[↓ .deb](#)
Debian, Ubuntu

[↓ .rpm](#)
Red Hat, Fedora, SUSE


[↓ Mac](#)
macOS 10.9+

User Installer	64 bit	32 bit
System Installer	64 bit	32 bit
.zip	64 bit	32 bit

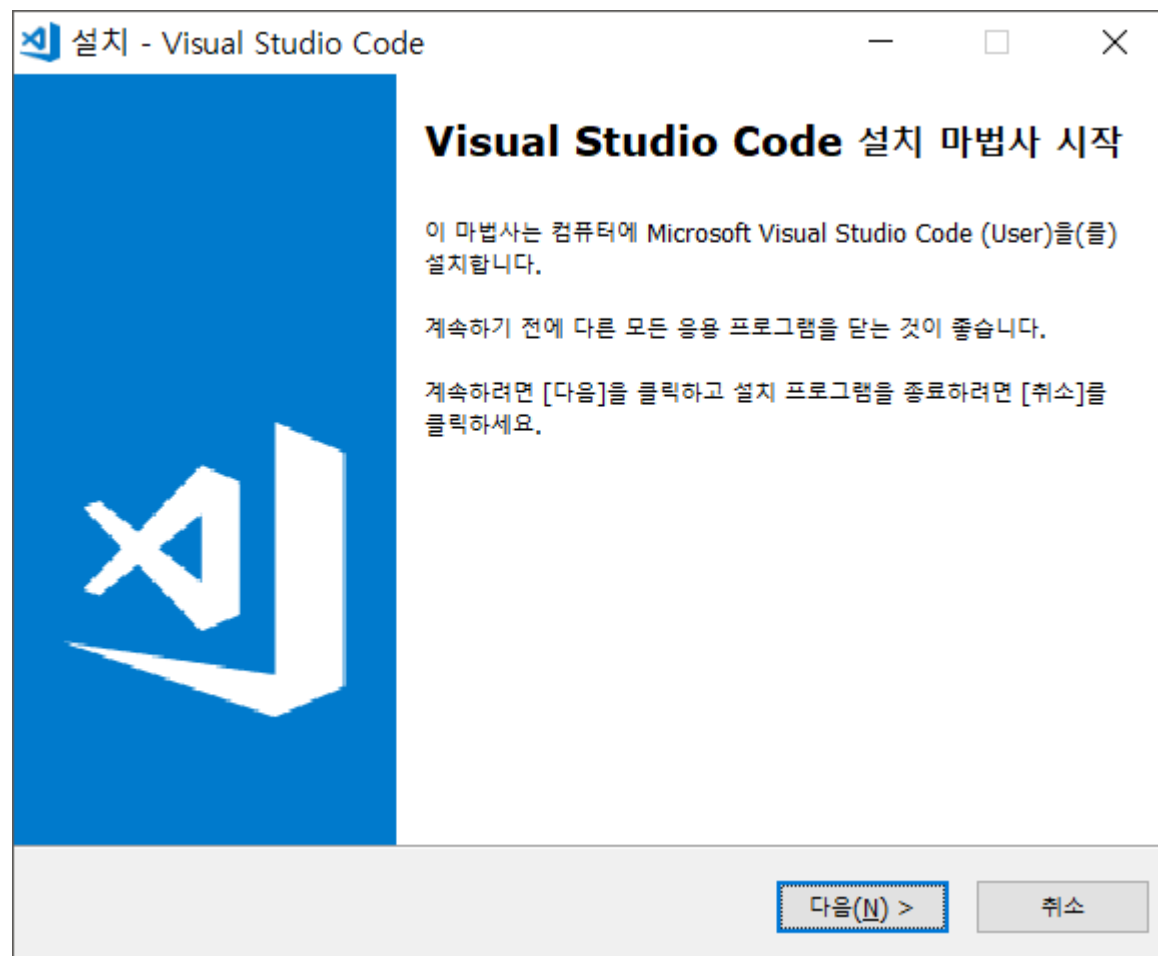
.deb	64 bit	32 bit
.rpm	64 bit	32 bit
.tar.gz	64 bit	32 bit

[Snap Store](#)

Visual Studio Code 실습



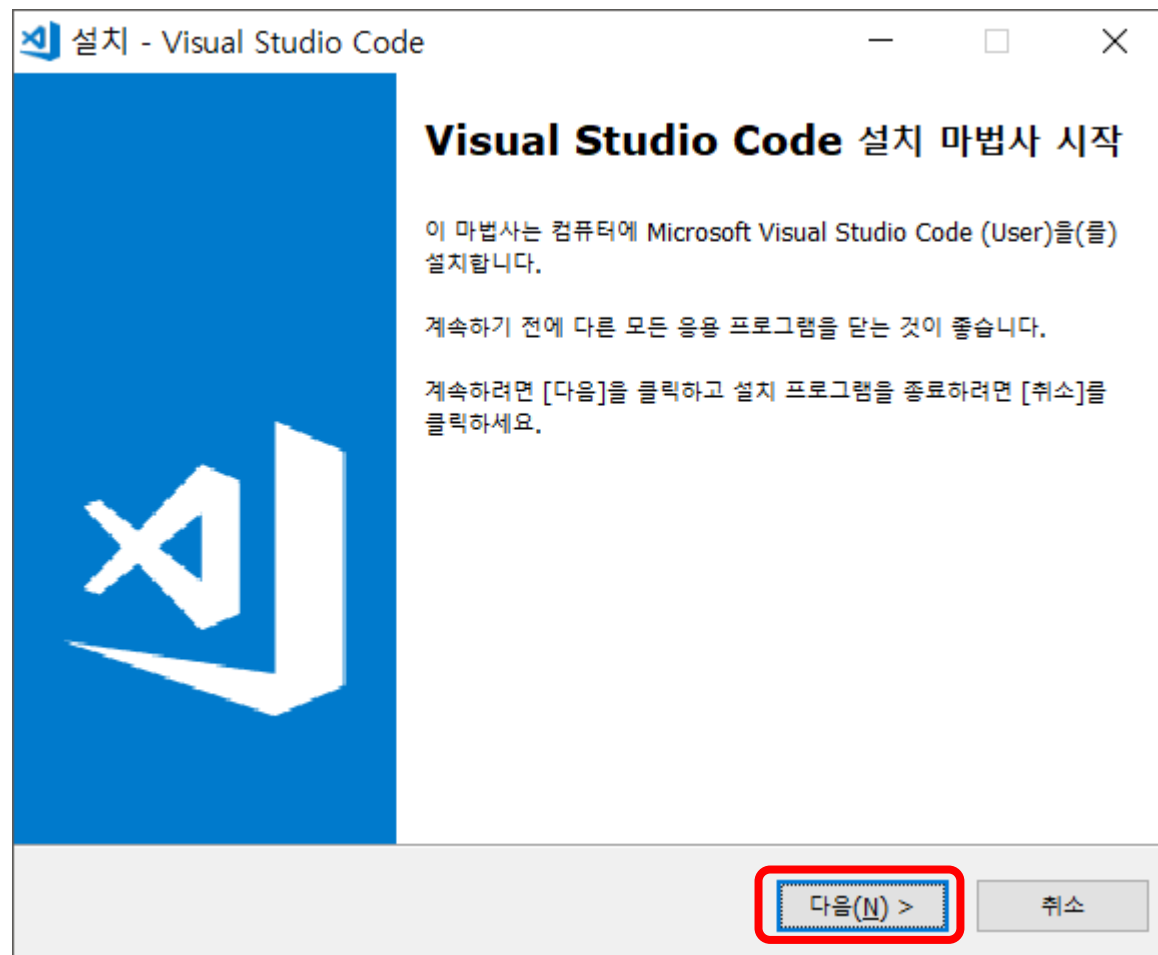
VSCoDeUserSetu
p-x64-1.33.1.exe



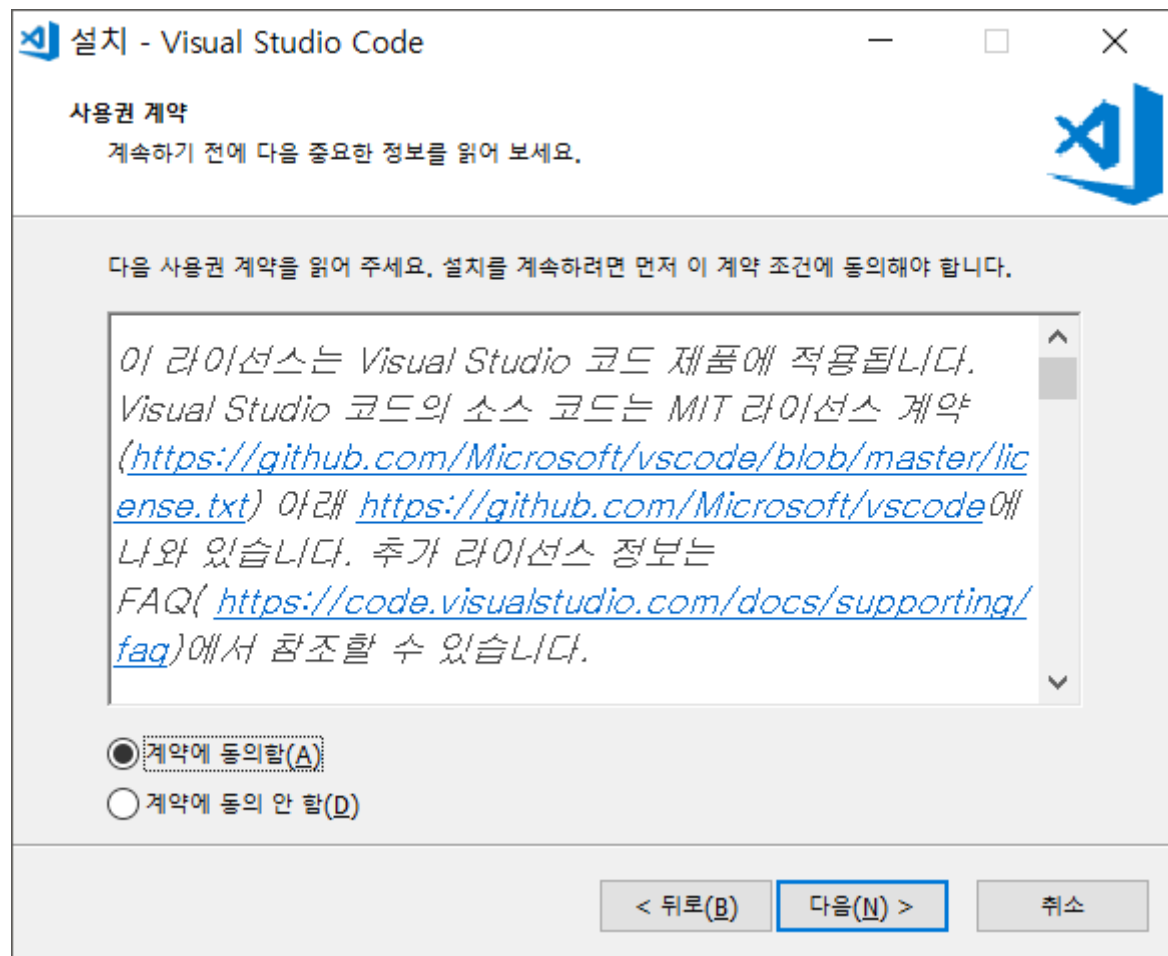
Visual Studio Code 실습



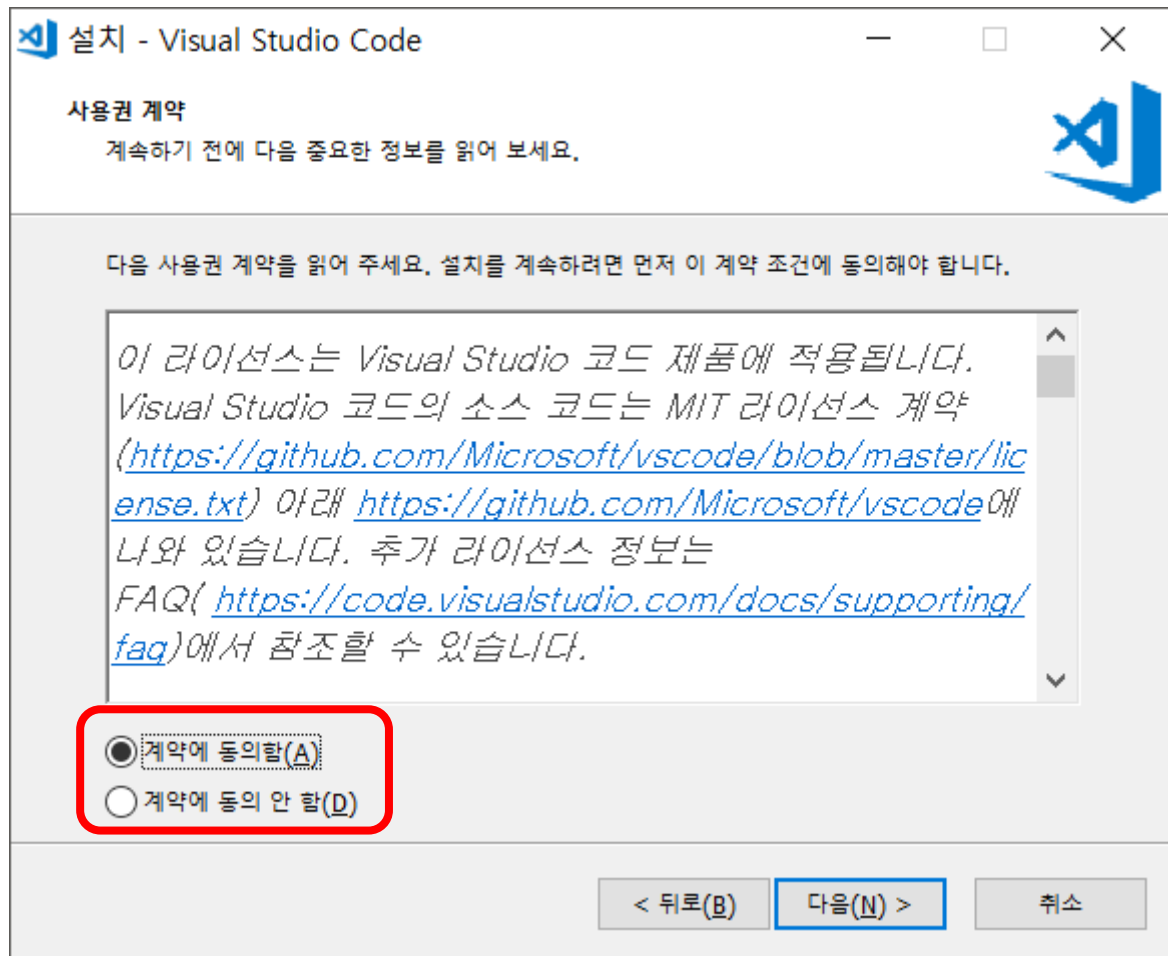
VSCoDeUserSetu
p-x64-1.33.1.exe



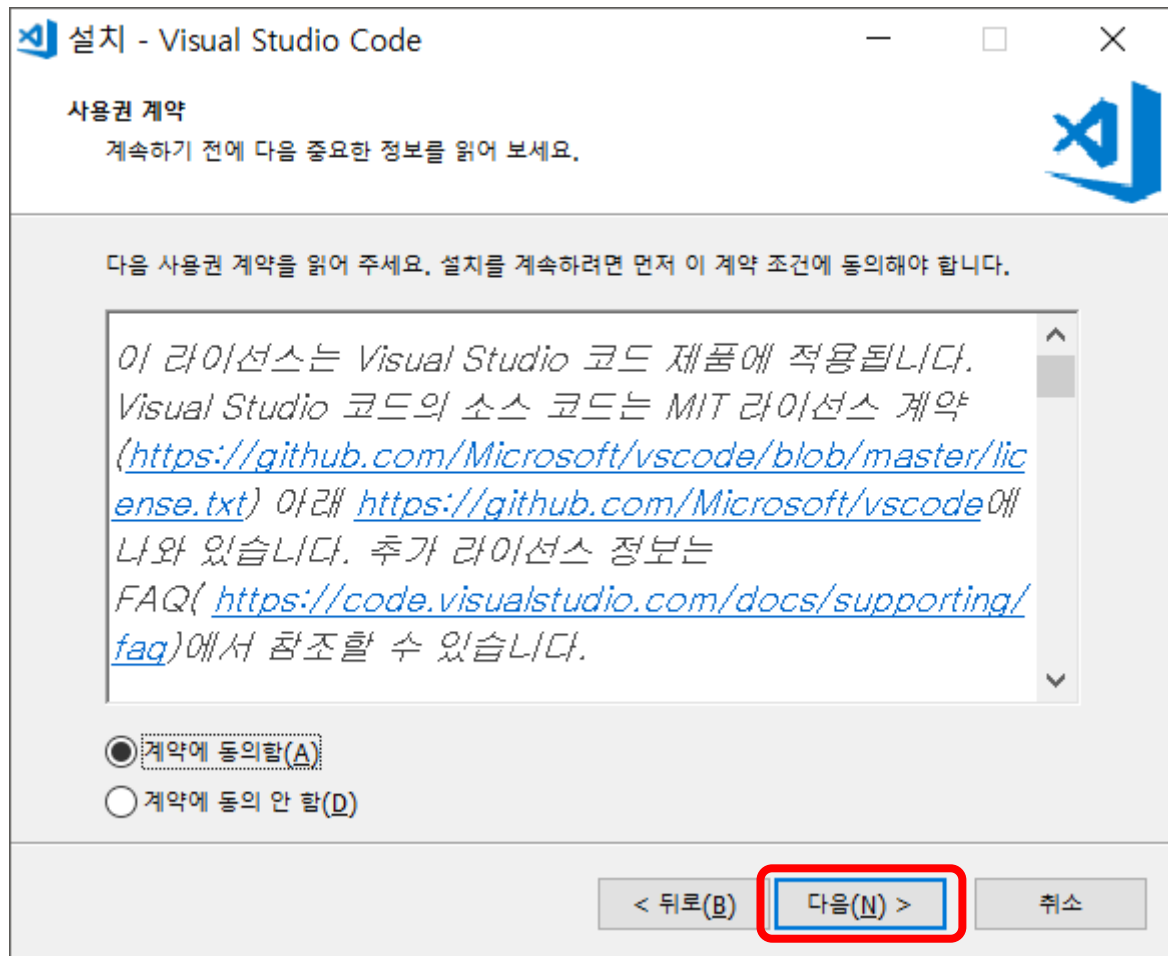
Visual Studio Code 실습



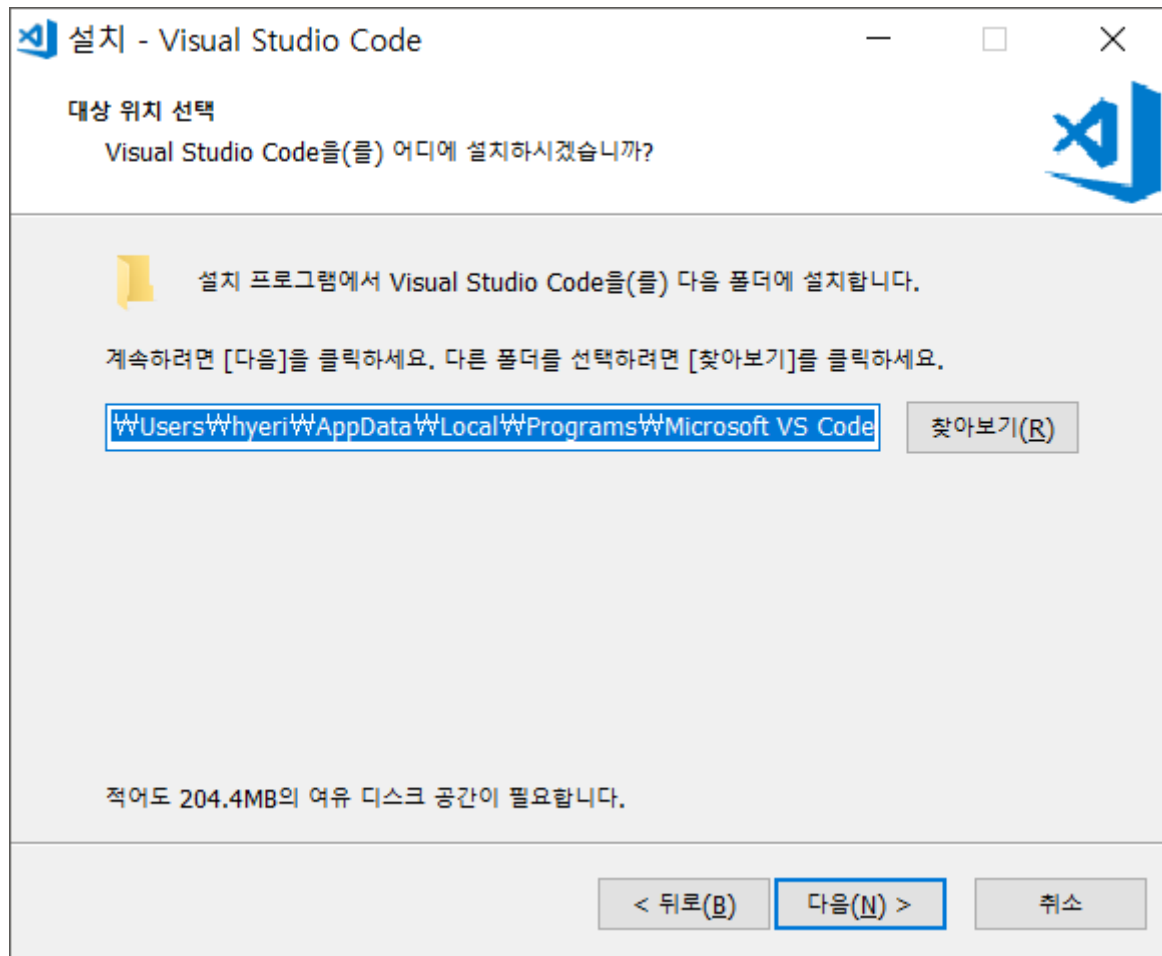
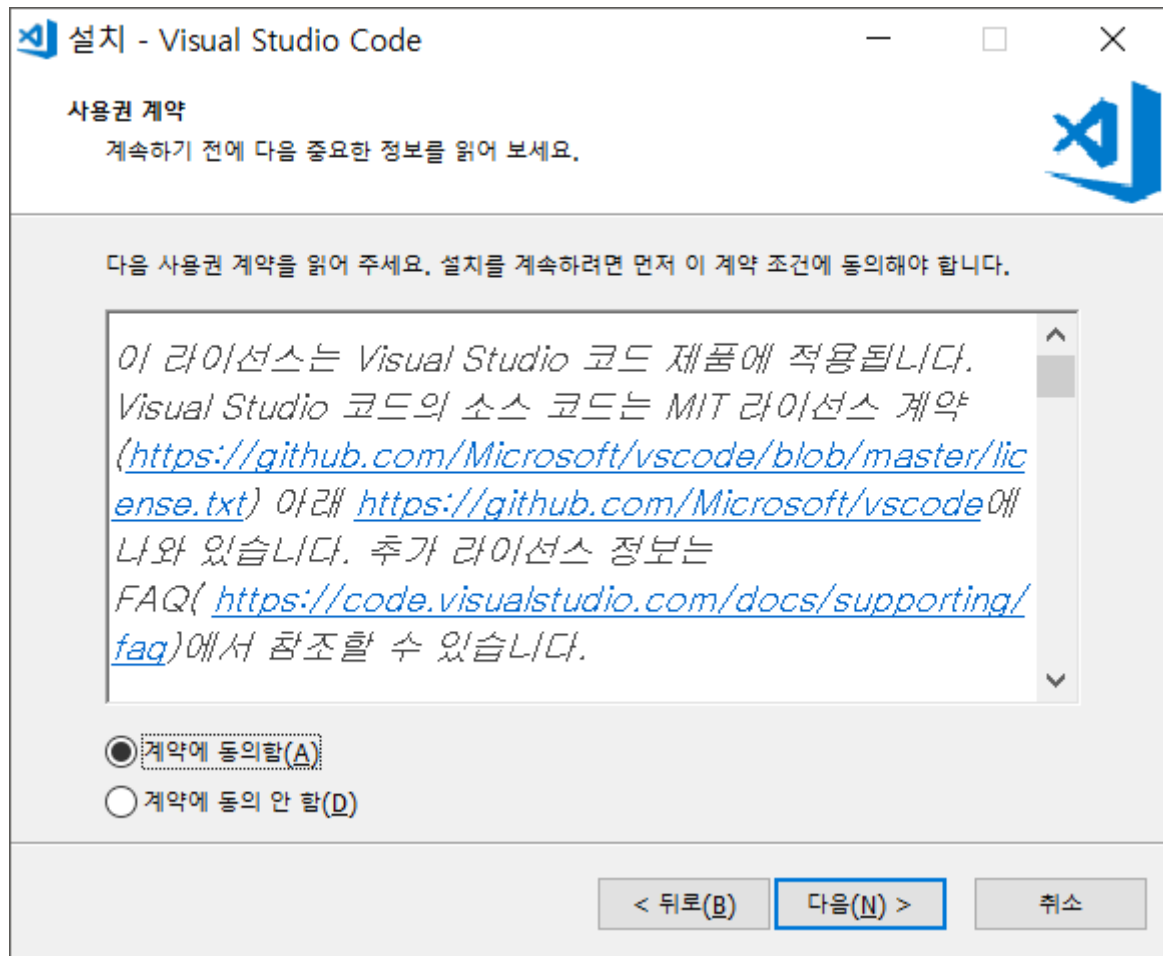
Visual Studio Code 실습



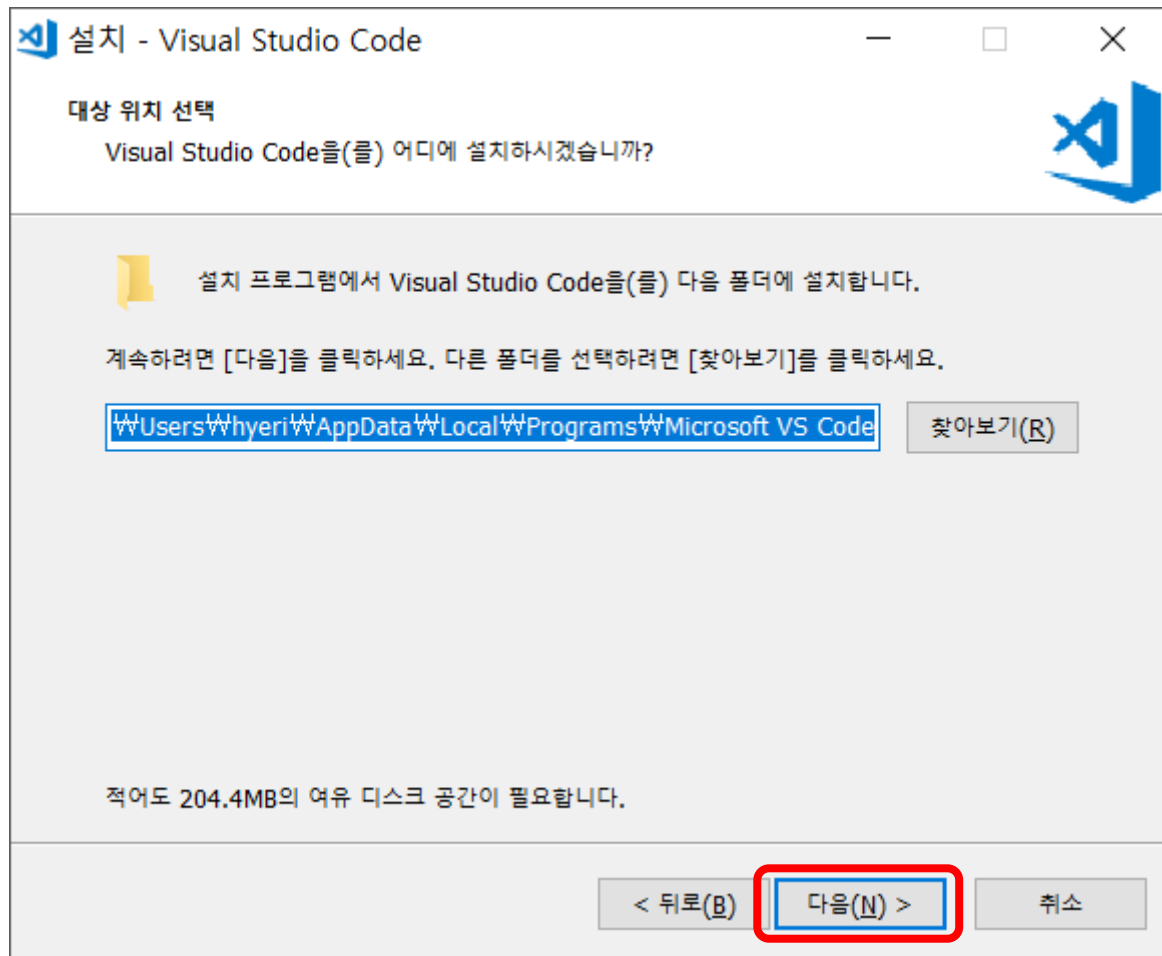
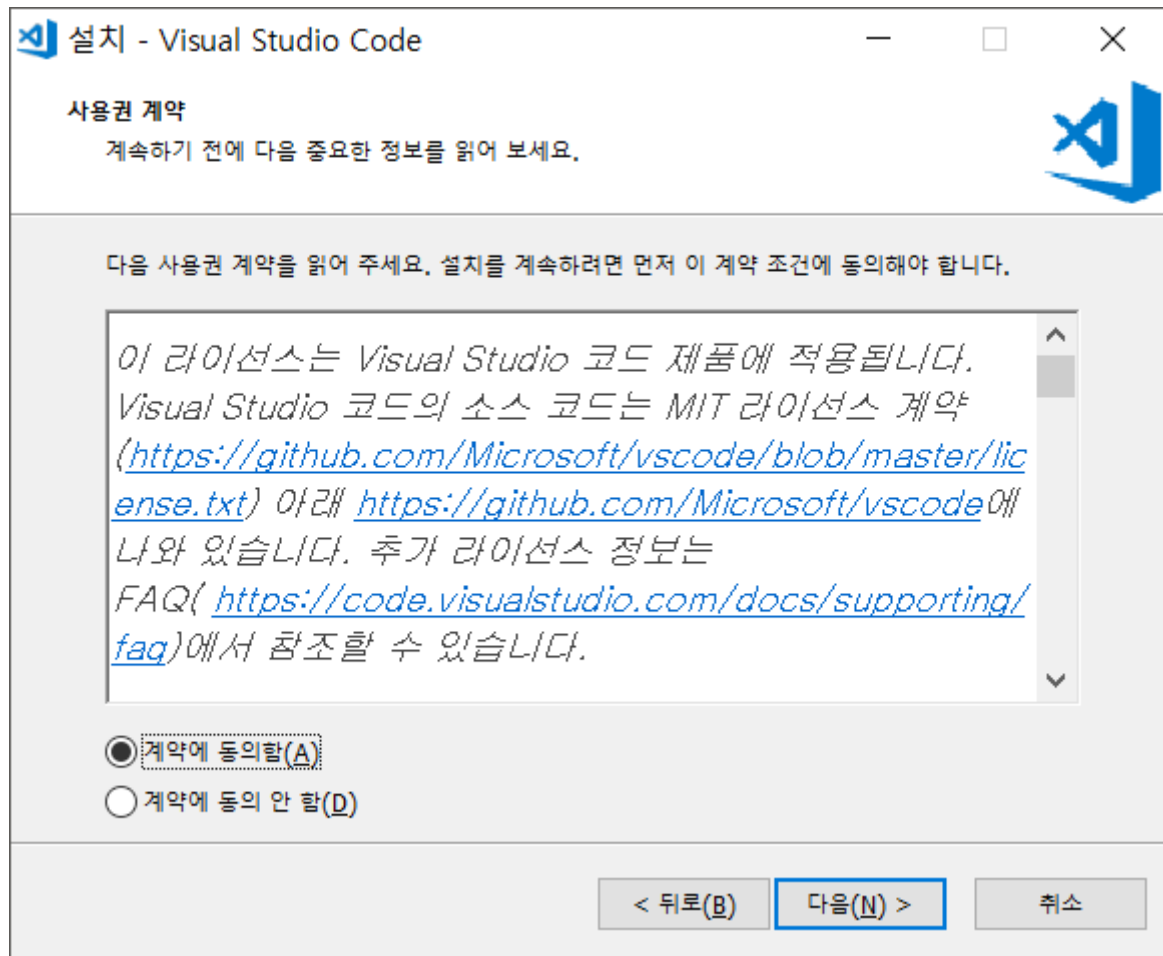
Visual Studio Code 실습



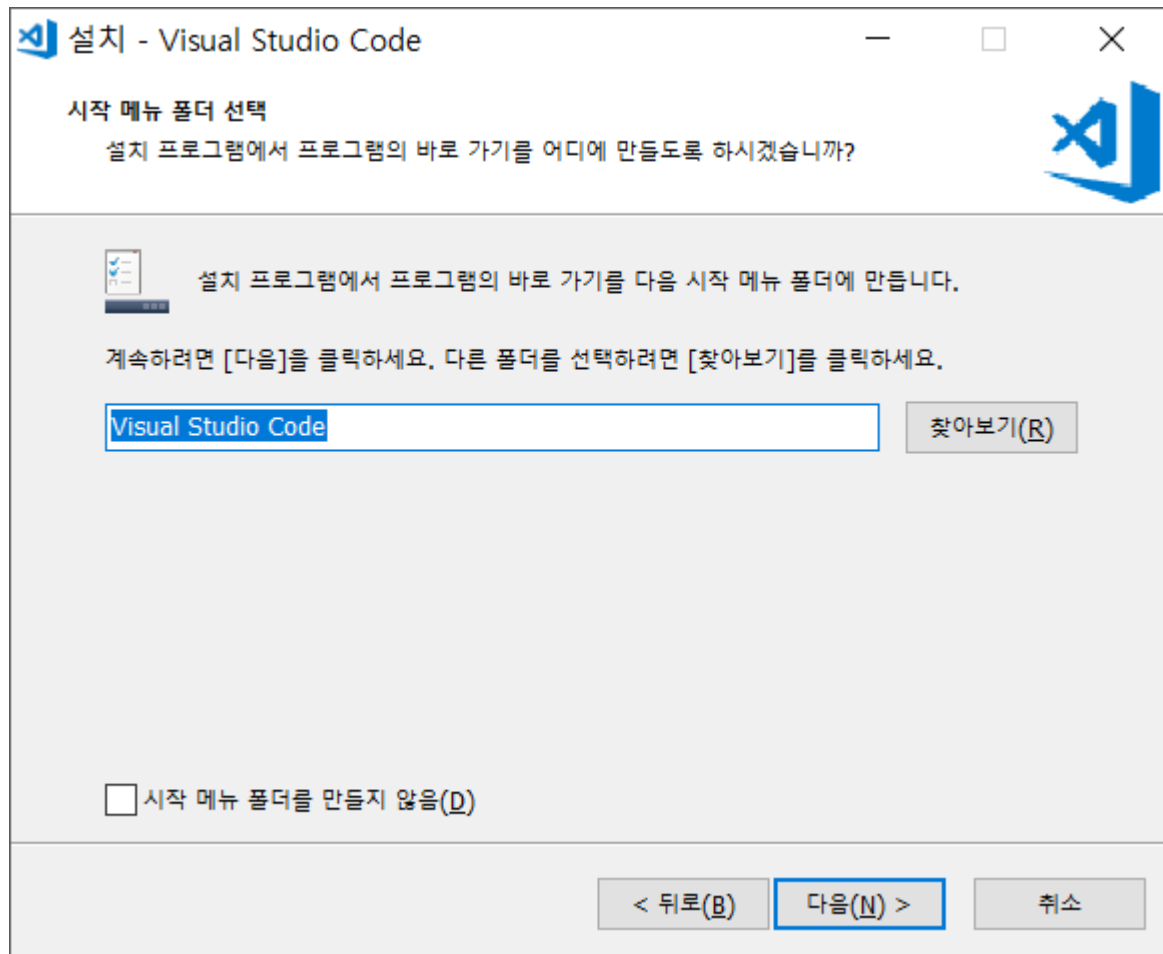
Visual Studio Code 실습



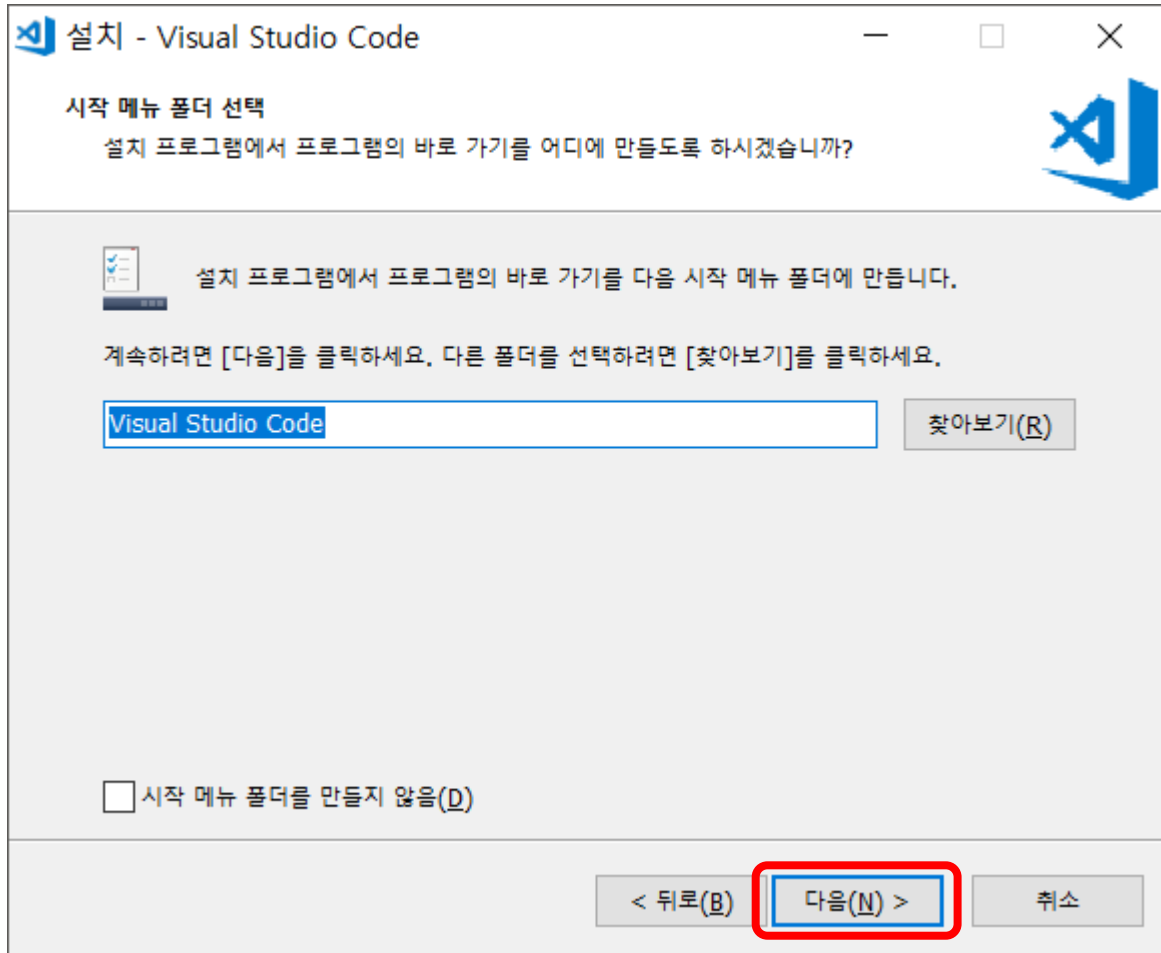
Visual Studio Code 실습



Visual Studio Code 실습



Visual Studio Code 실습




Visual Studio Code 실습

설치 - Visual Studio Code

시작 메뉴 폴더 선택

설치 프로그램에서 프로그램의 바로 가기를 어디에 만들도록 하시겠습니까?

 설치 프로그램에서 프로그램의 바로 가기를 다음 시작 메뉴 폴더에 만듭니다.

계속하려면 [다음]을 클릭하세요. 다른 폴더를 선택하려면 [찾아보기]를 클릭하세요.

☐ 시작 메뉴 폴더를 만들지 않음(D)

< 뒤로(B)

다음(N) >

취소

설치 - Visual Studio Code

추가 작업 선택

어떤 작업을 추가로 수행하시겠습니까?

설치 프로그램에서 Visual Studio Code(를) 설치하는 동안 수행할 추가 작업을 선택한 후 [다음]을 클릭하세요.

추가 바로 가기:
☐ 바탕 화면 바로 가기 만들기(D)

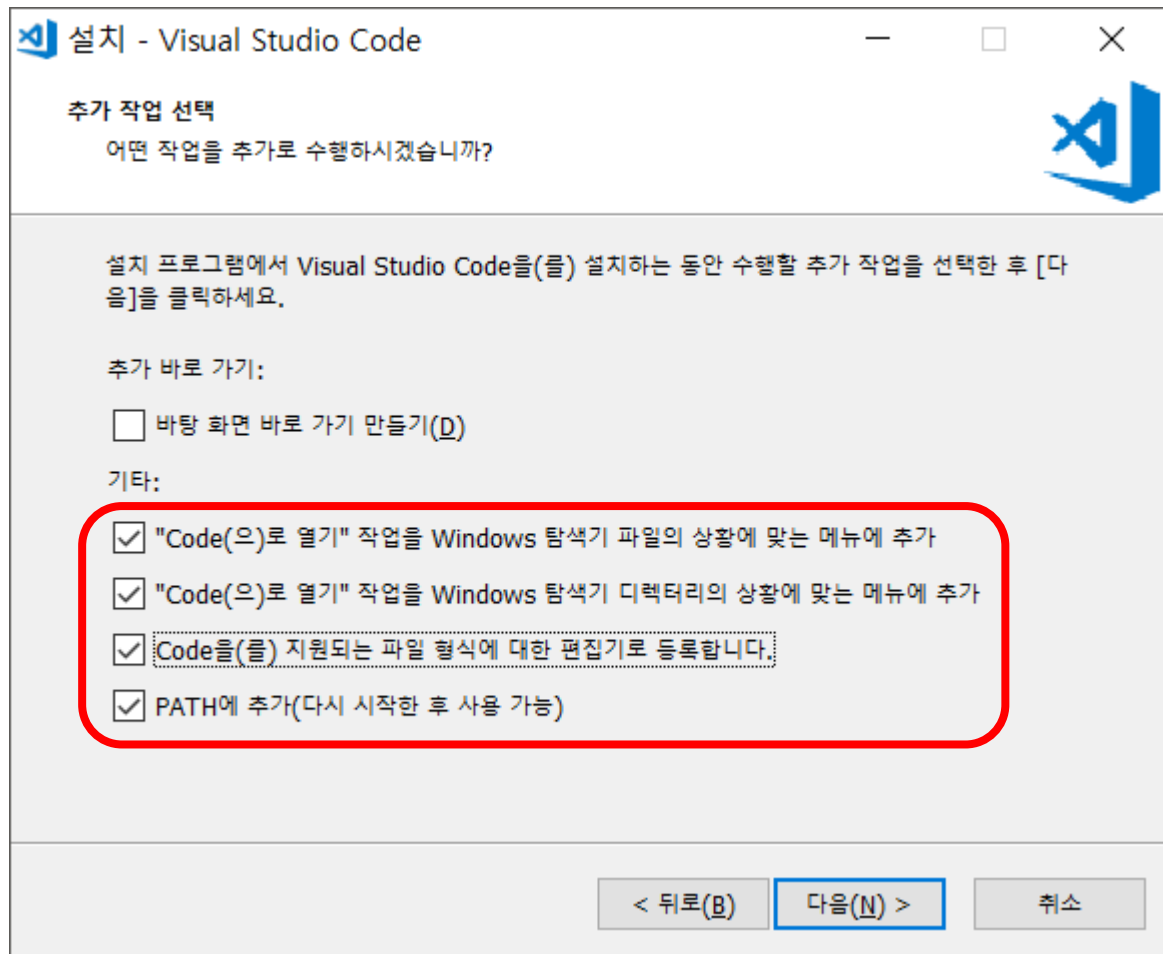
기타:
☐ "Code(으)로 열기" 작업을 Windows 탐색기 파일의 상황에 맞는 메뉴에 추가
☐ "Code(으)로 열기" 작업을 Windows 탐색기 디렉터리의 상황에 맞는 메뉴에 추가
☐ Code(를) 지원하는 파일 형식에 대한 편집기로 등록합니다.
☒ PATH에 추가(다시 시작한 후 사용 가능)

< 뒤로(B)

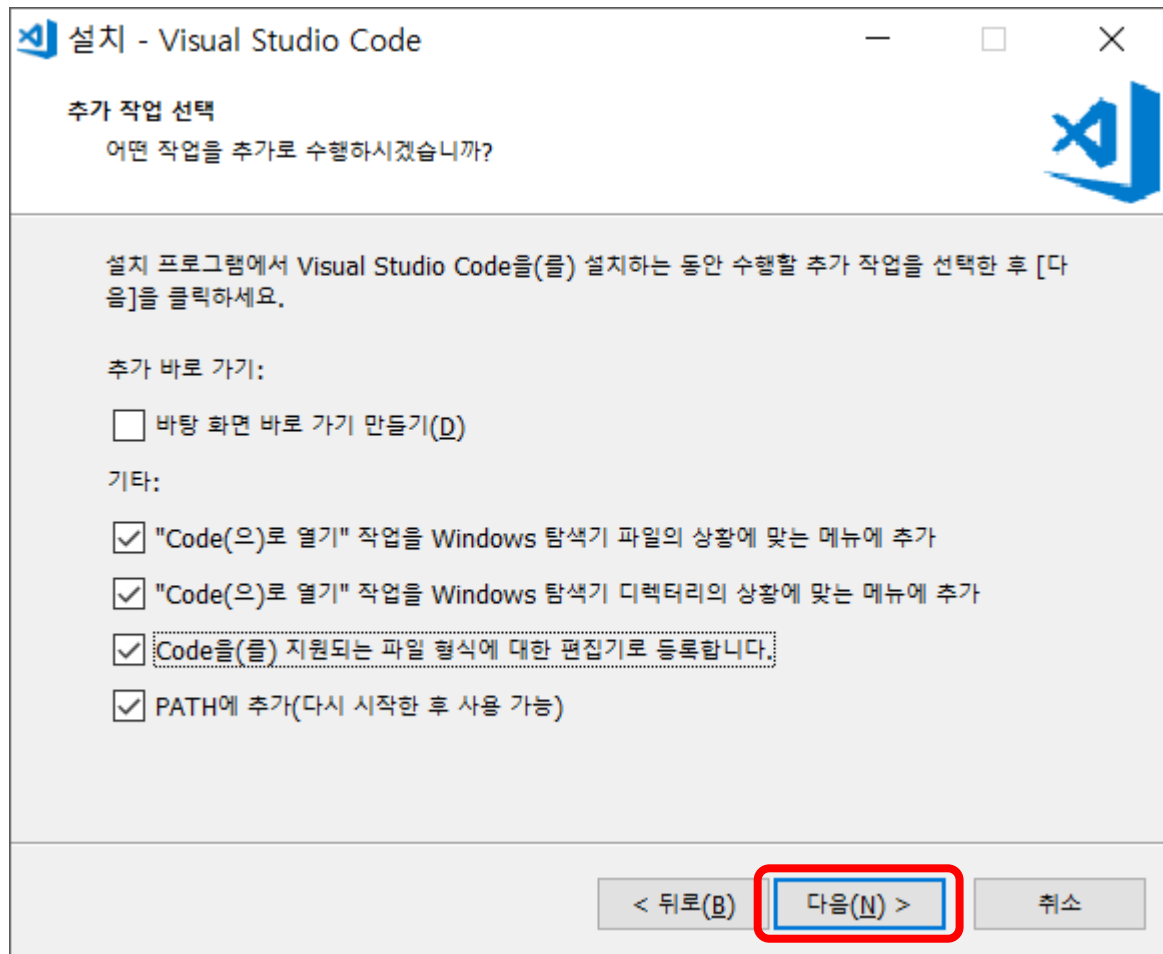
다음(N) >

취소

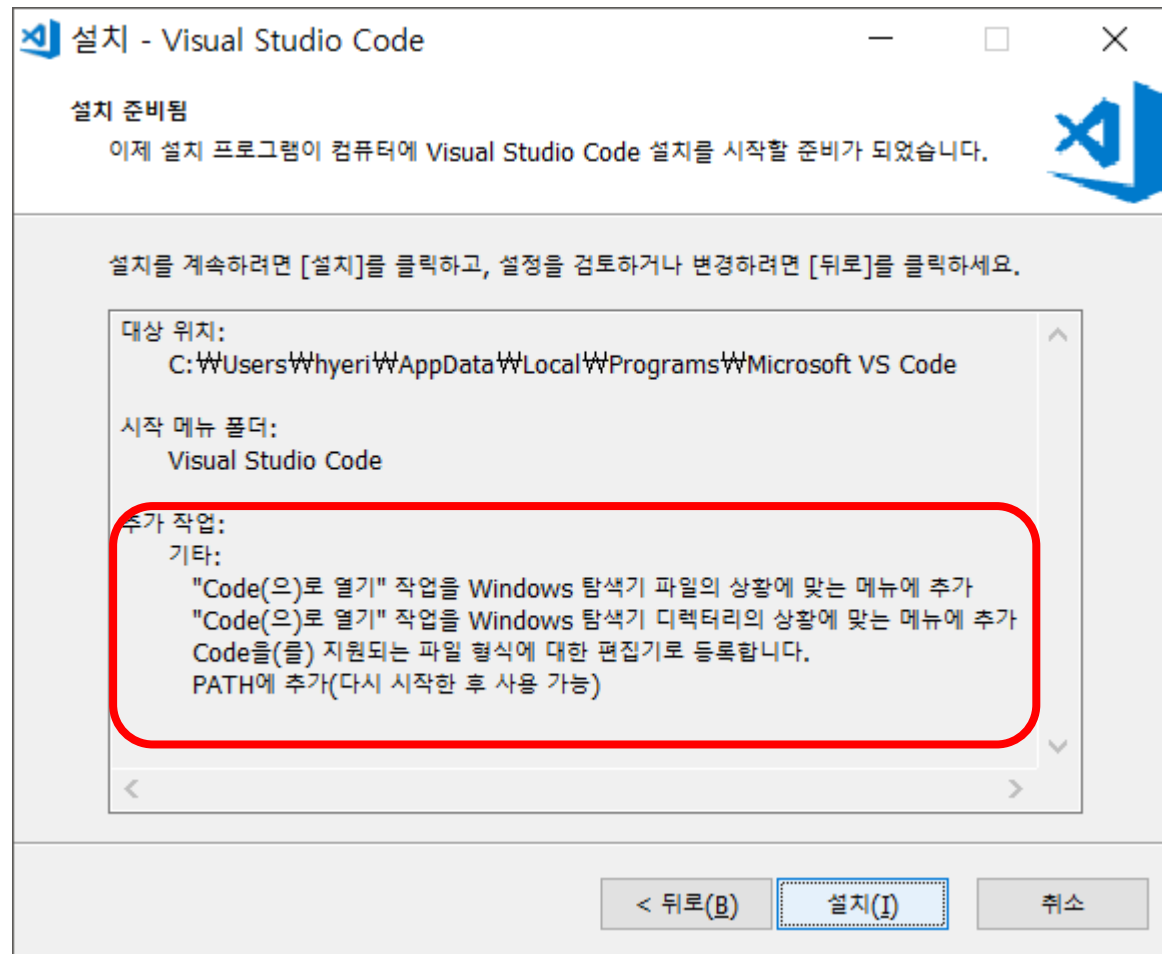
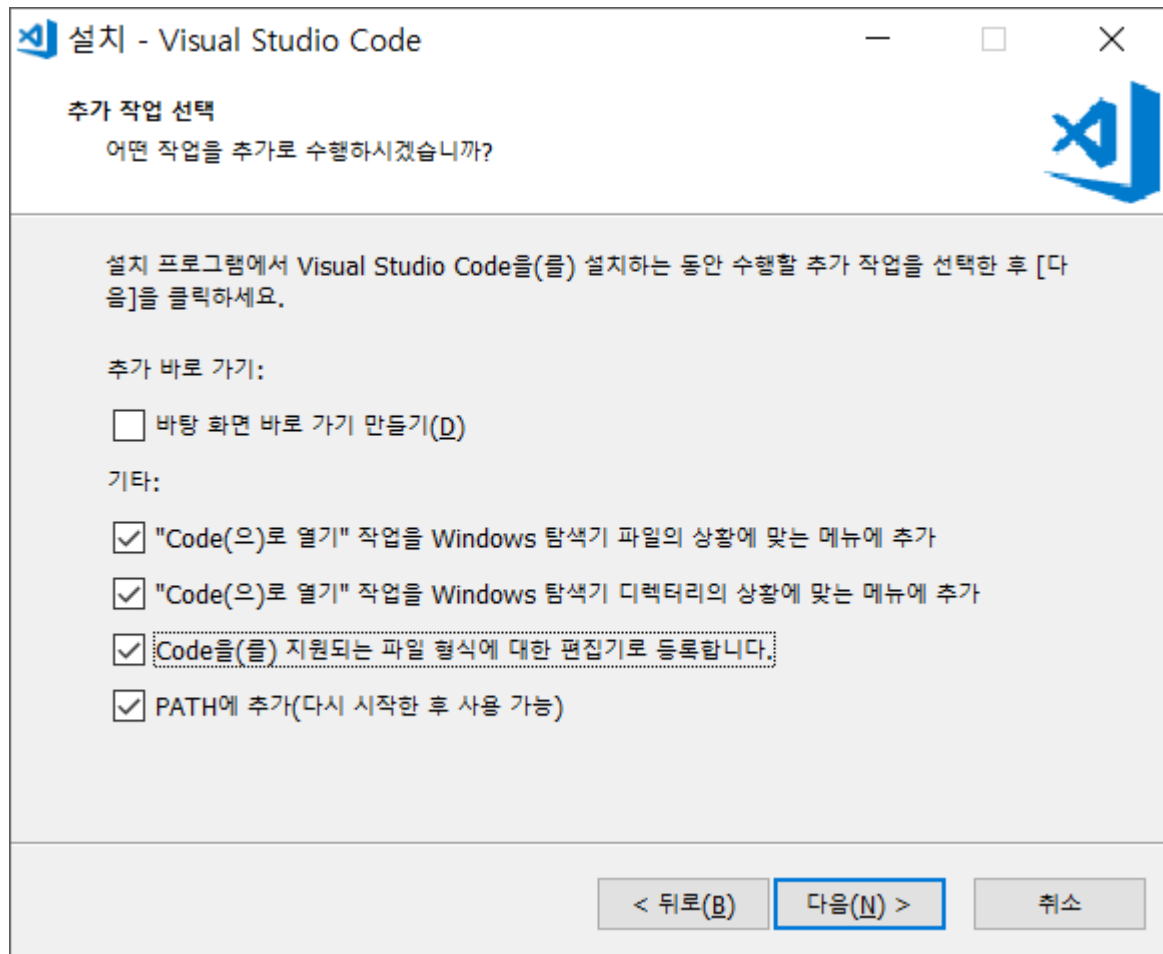
Visual Studio Code 실습



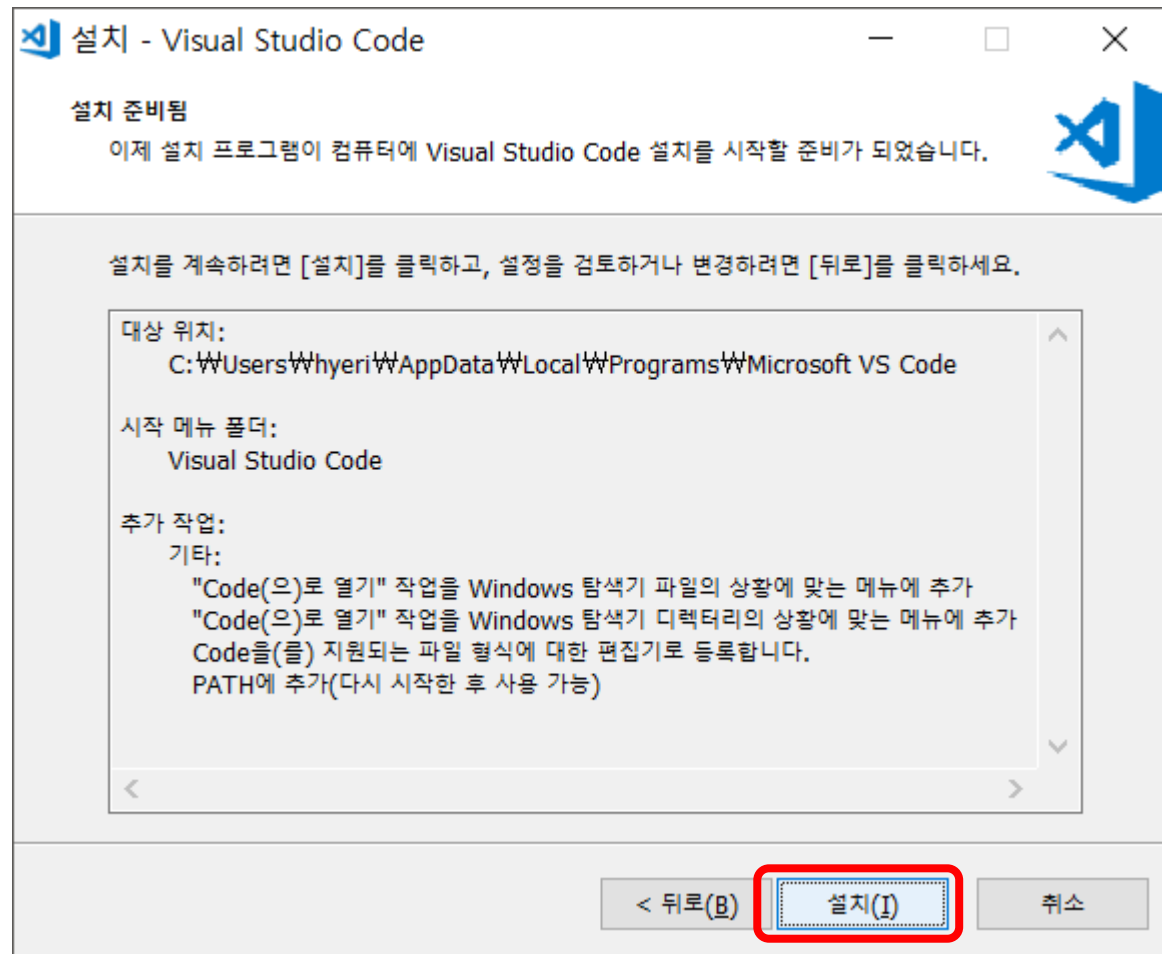
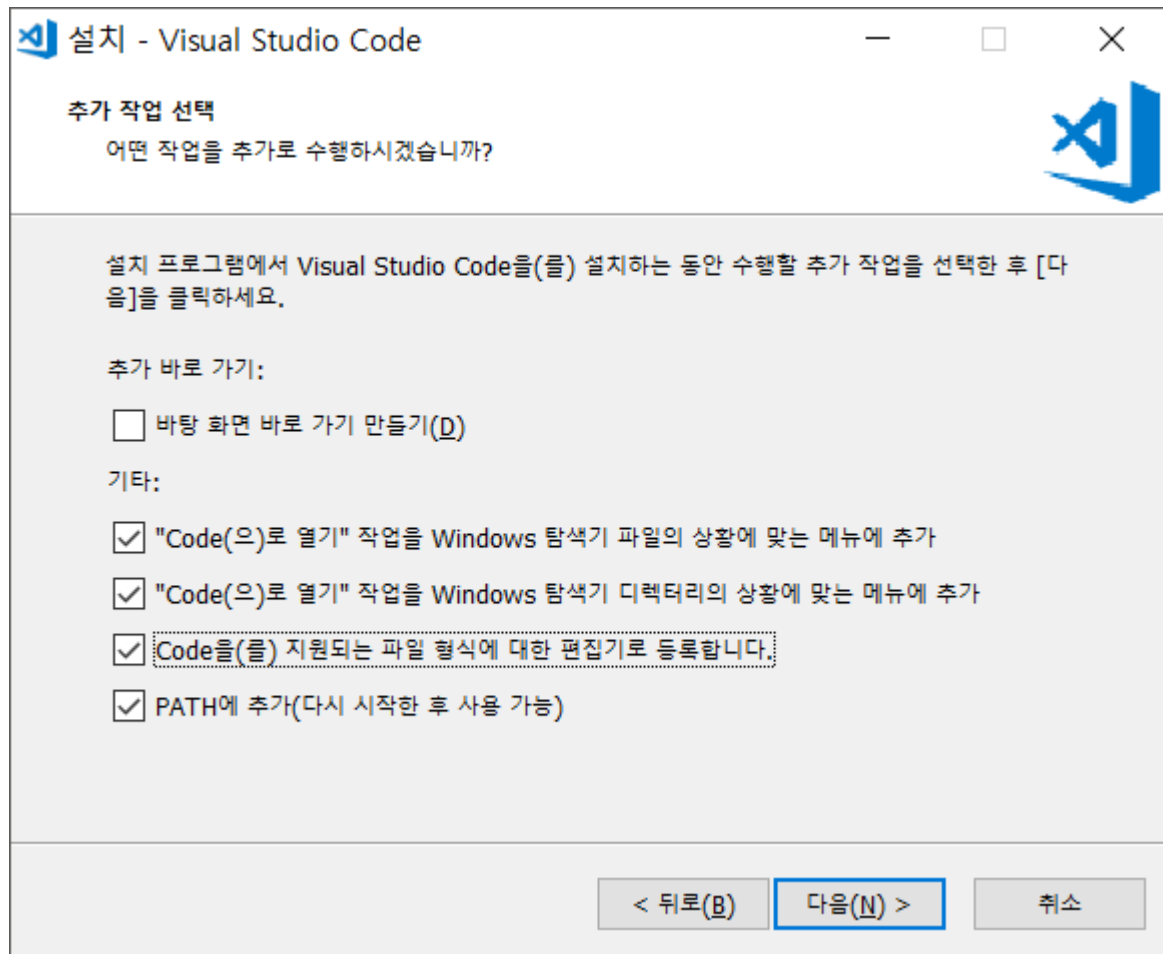
Visual Studio Code 실습



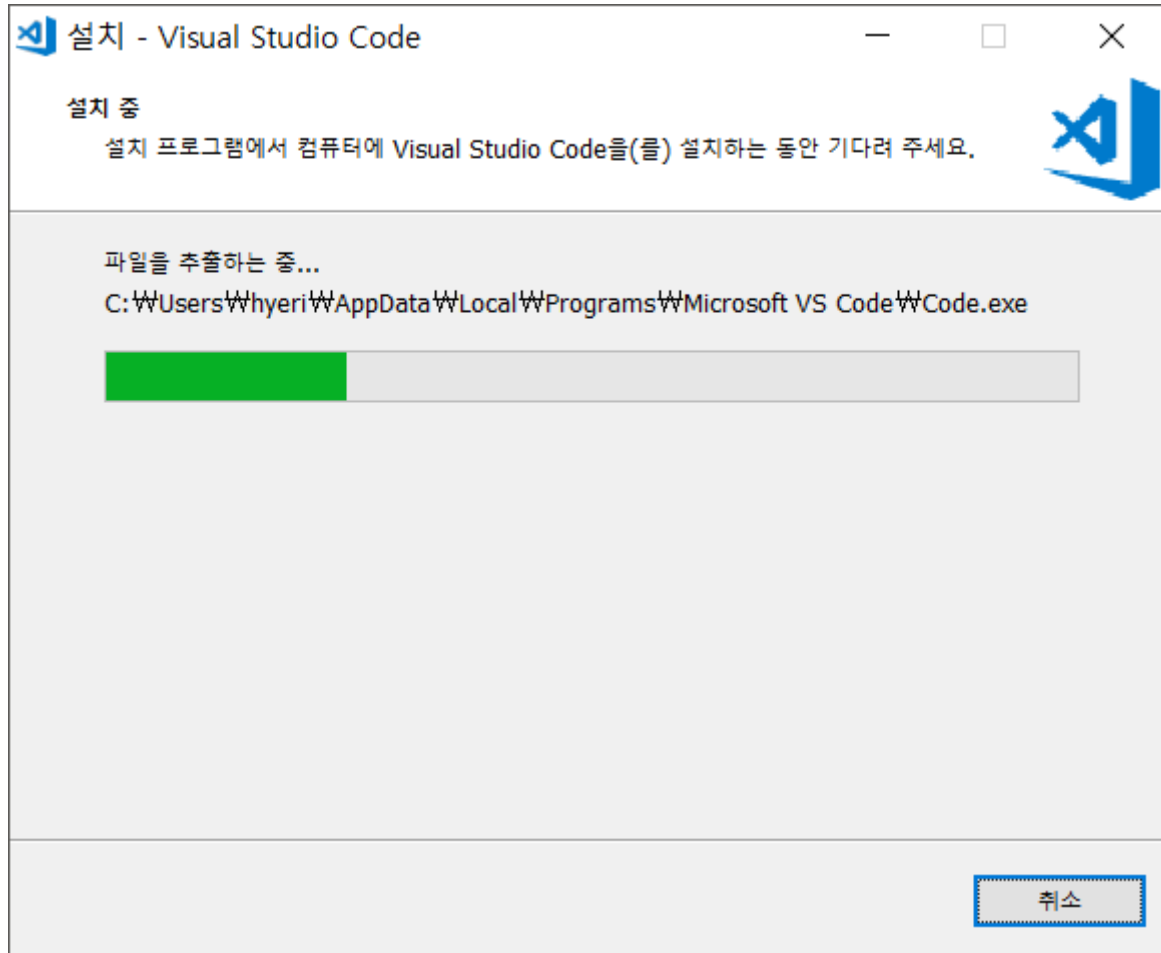
Visual Studio Code 실습



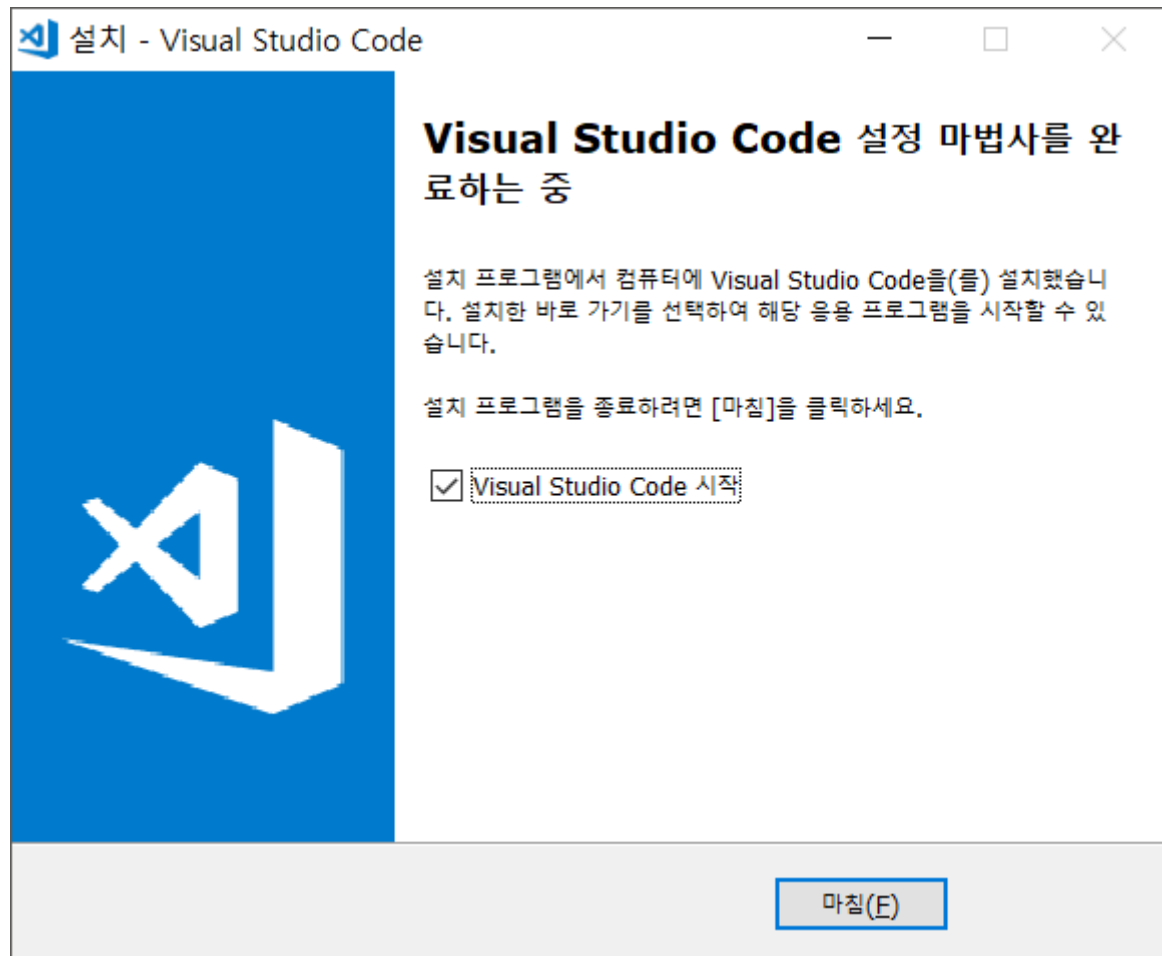
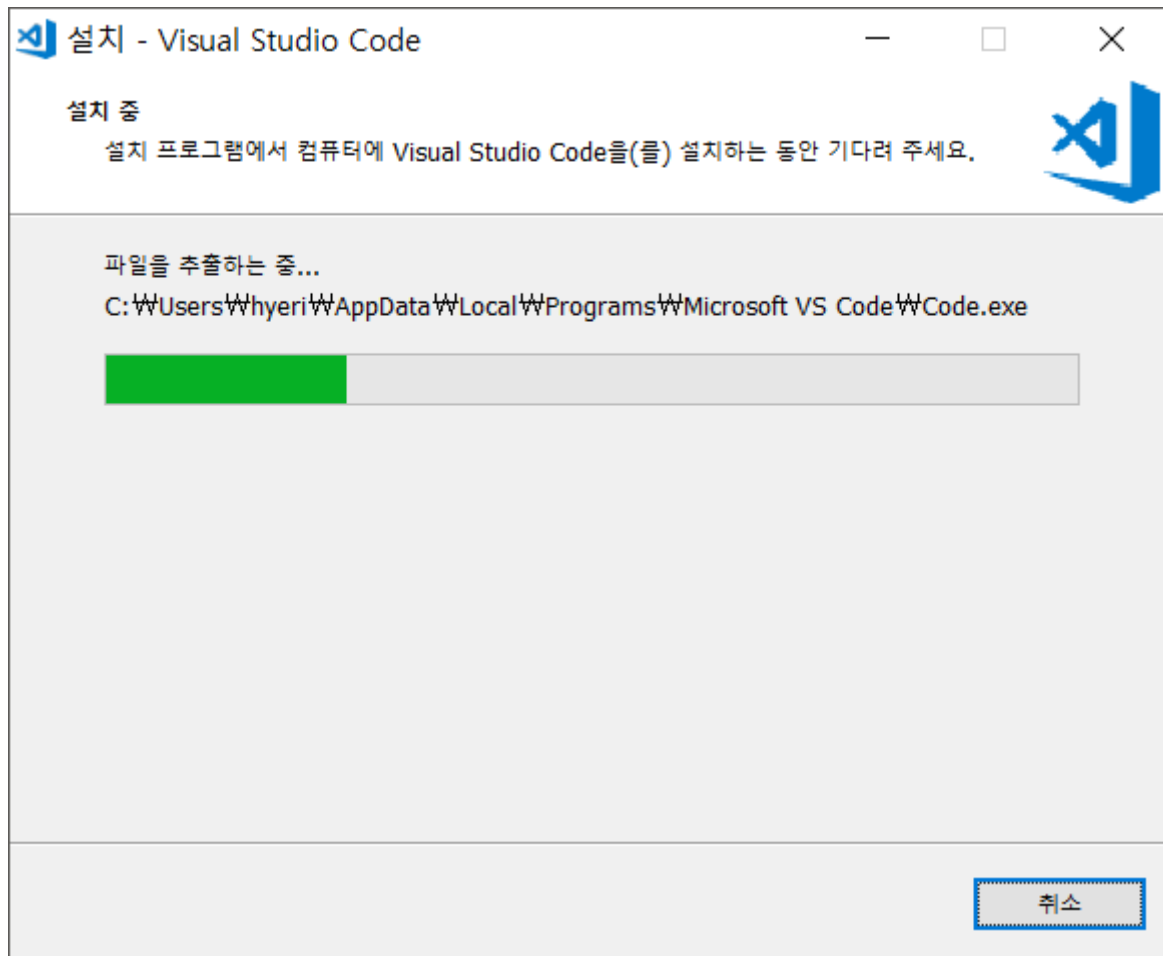
Visual Studio Code 실습



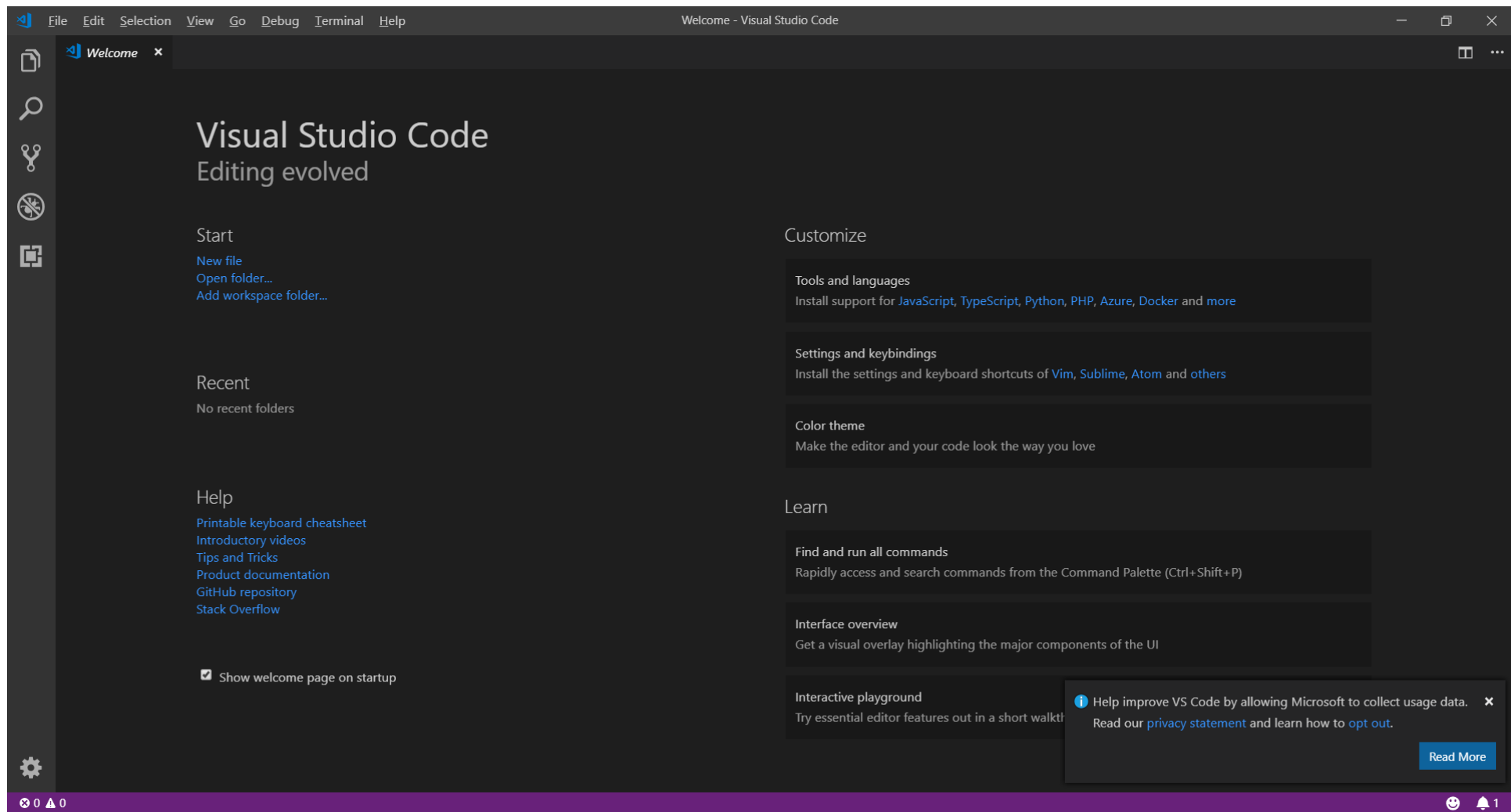
Visual Studio Code 실습



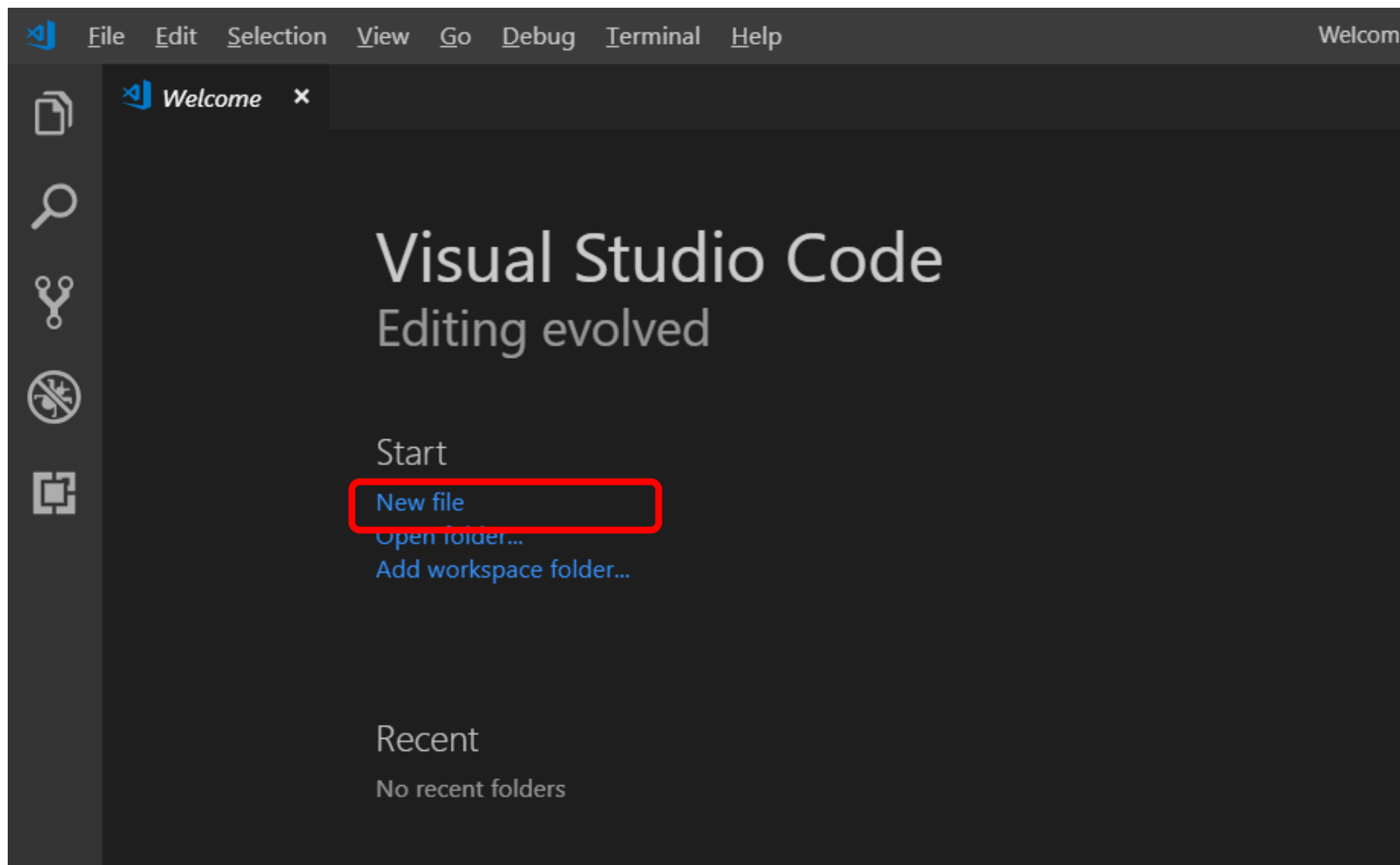
Visual Studio Code 실습



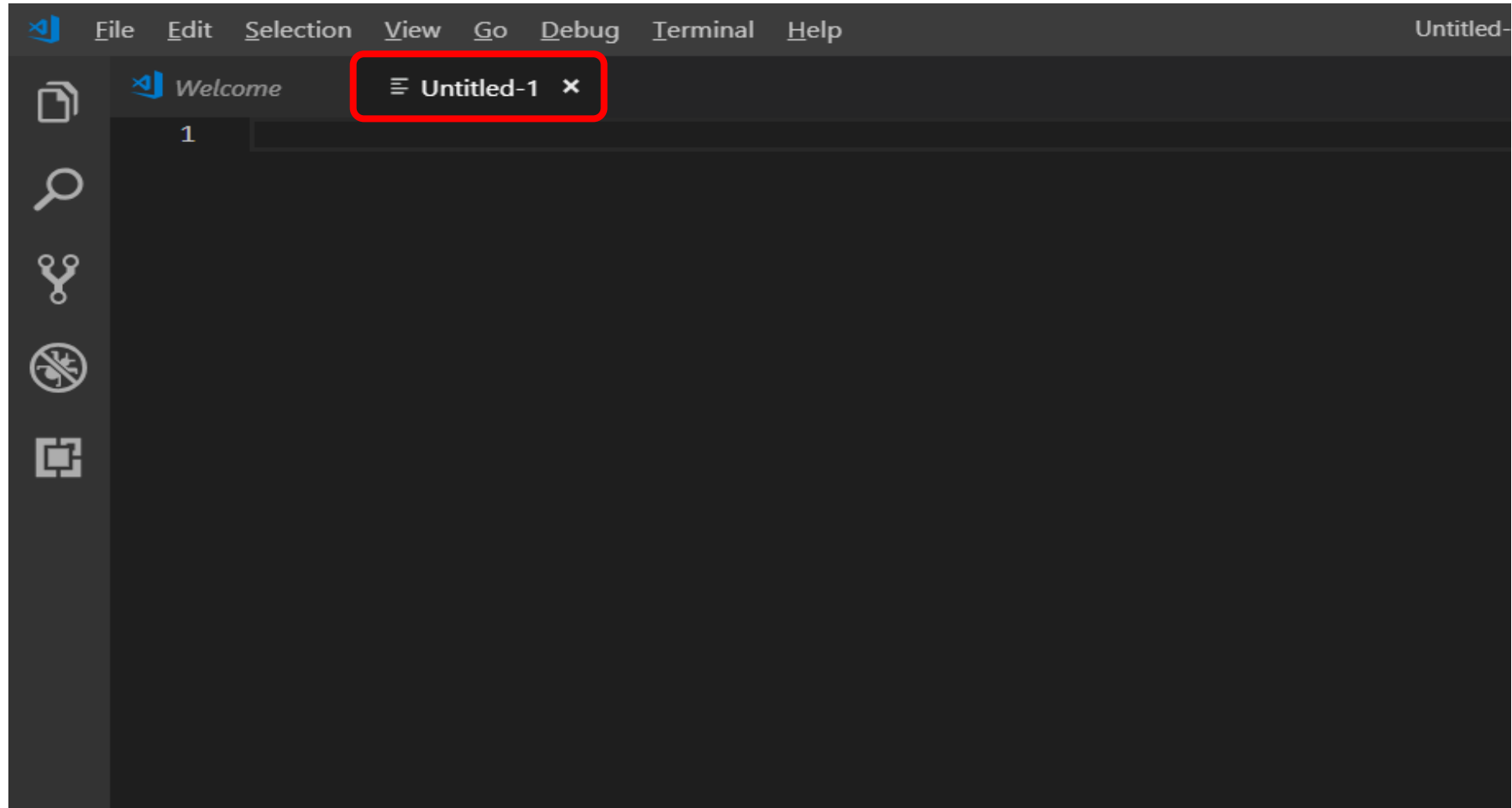
Visual Studio Code 실습



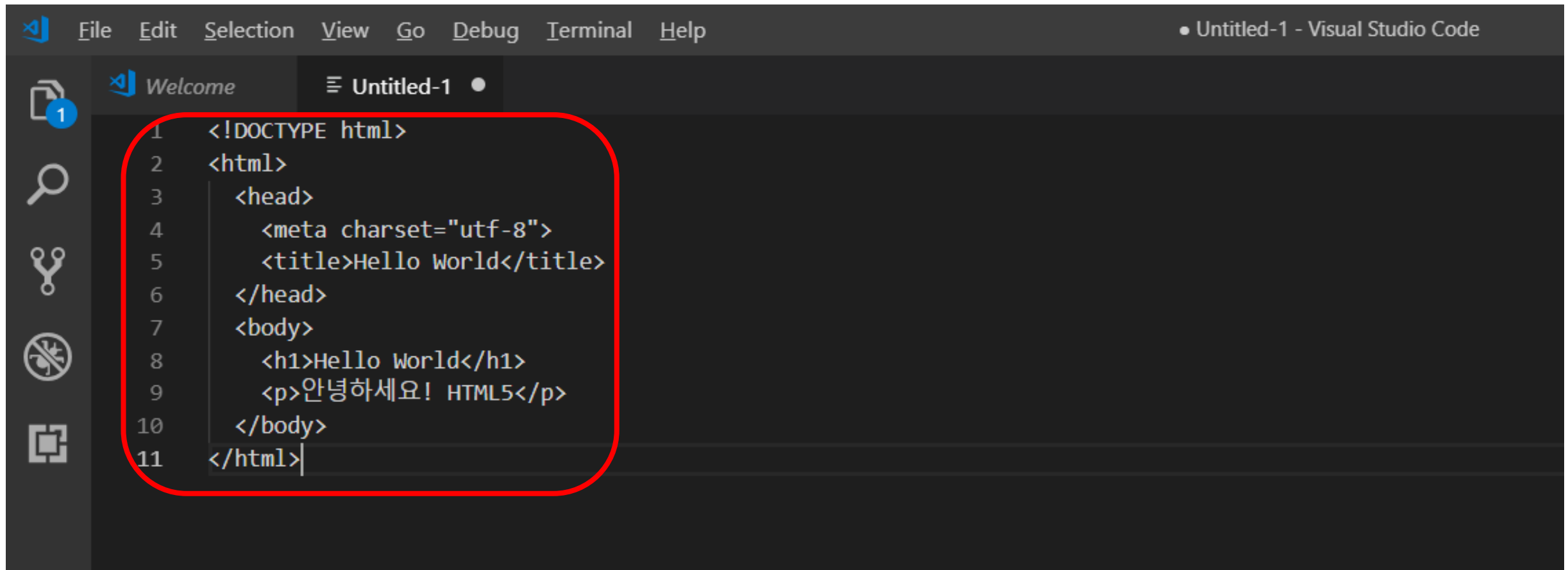
Visual Studio Code 실습



Visual Studio Code 실습



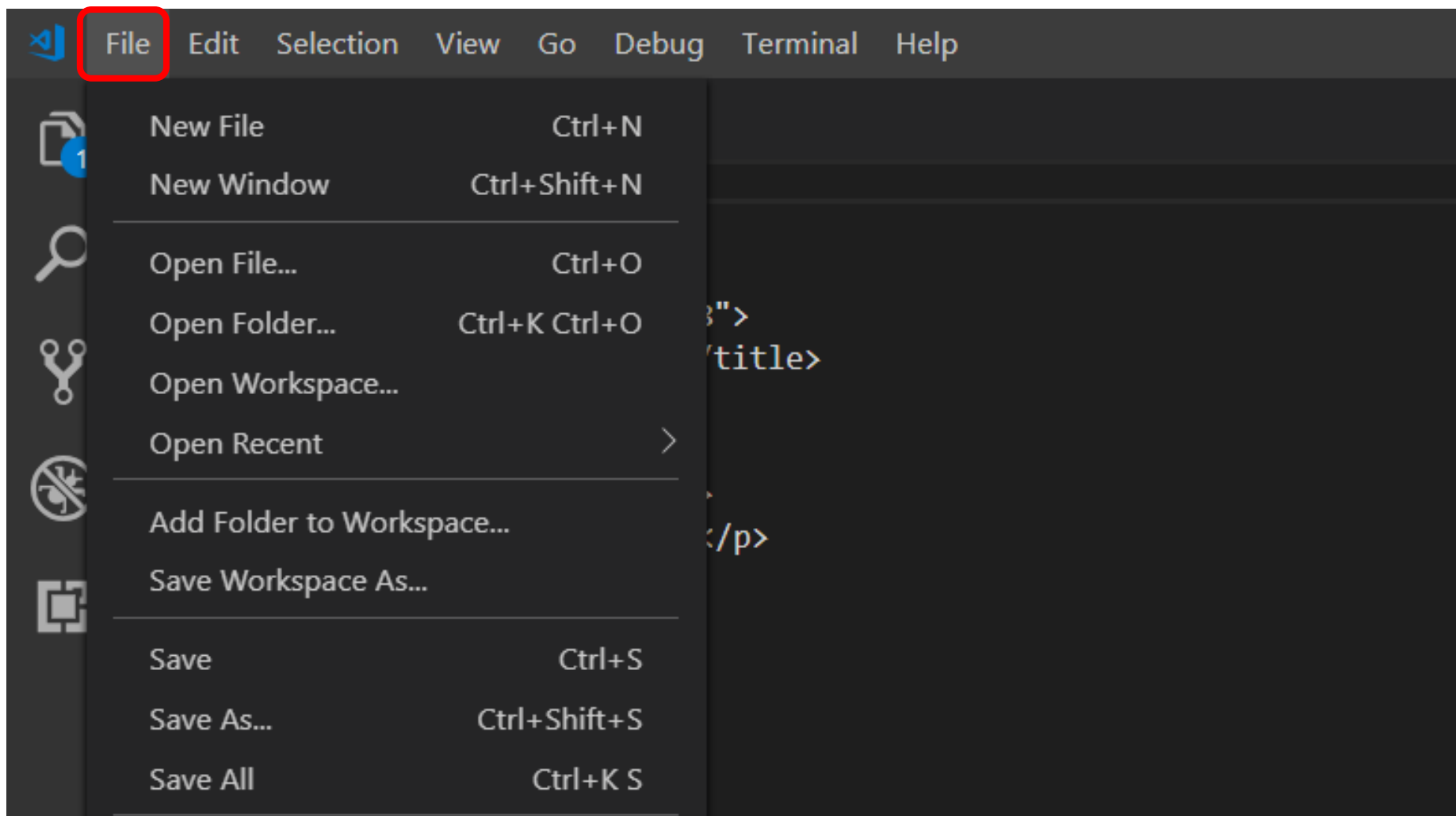
HTML5 문법



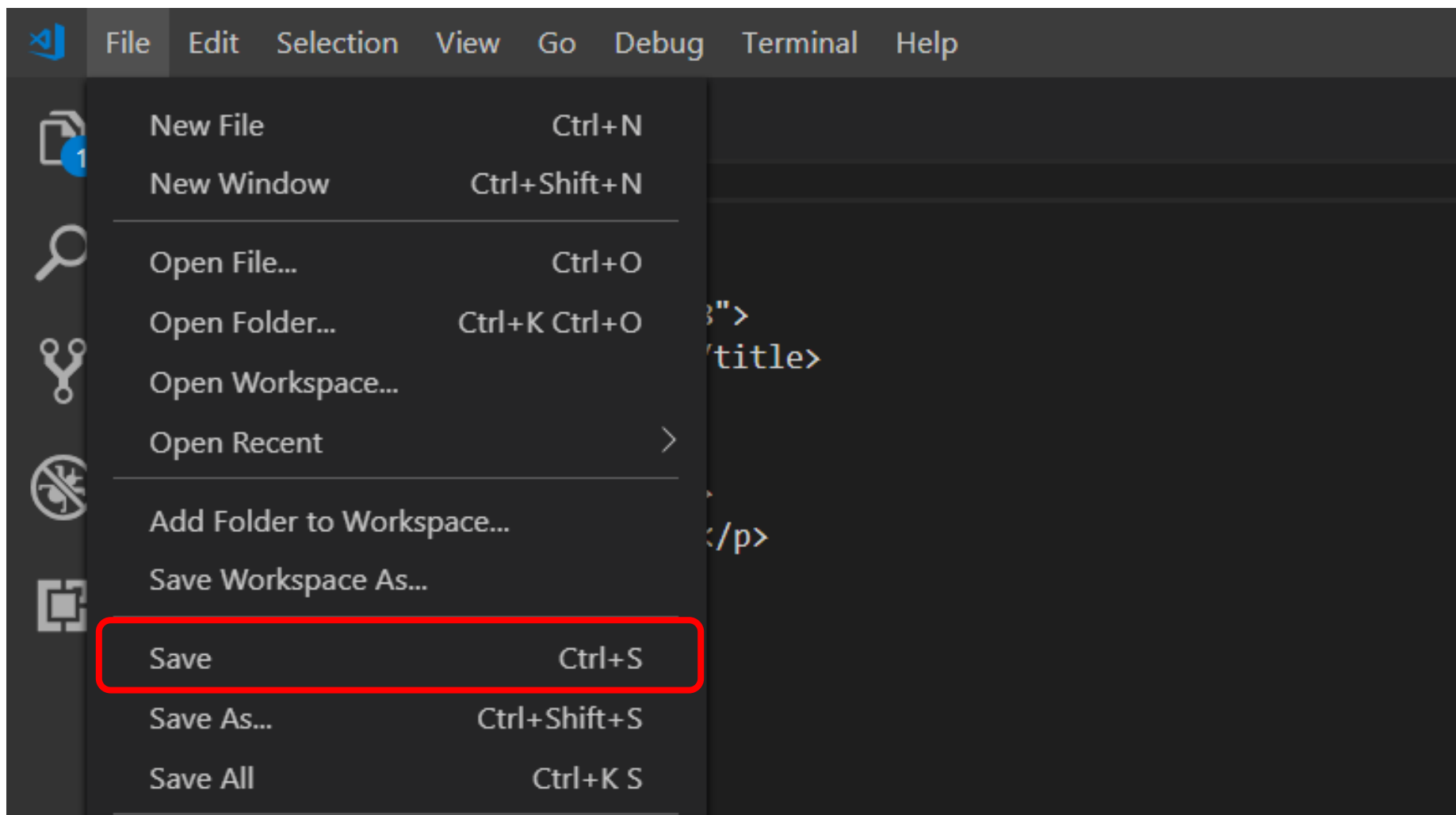
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Hello World</title>
6   </head>
7   <body>
8     <h1>Hello World</h1>
9     <p>안녕하세요! HTML5</p>
10  </body>
11 </html>
```

The screenshot shows the Visual Studio Code interface with a dark theme. The menu bar at the top includes File, Edit, Selection, View, Go, Debug, Terminal, and Help. The title bar indicates the current file is 'Untitled-1 - Visual Studio Code'. The Explorer sidebar on the left shows a file named 'Untitled-1' with a blue '1' icon. The main editor area displays the HTML5 boilerplate code, which is enclosed in a red rounded rectangle. The code consists of 11 lines, starting with the DOCTYPE declaration and ending with the closing HTML tag. The code is formatted with indentation for the head and body sections.

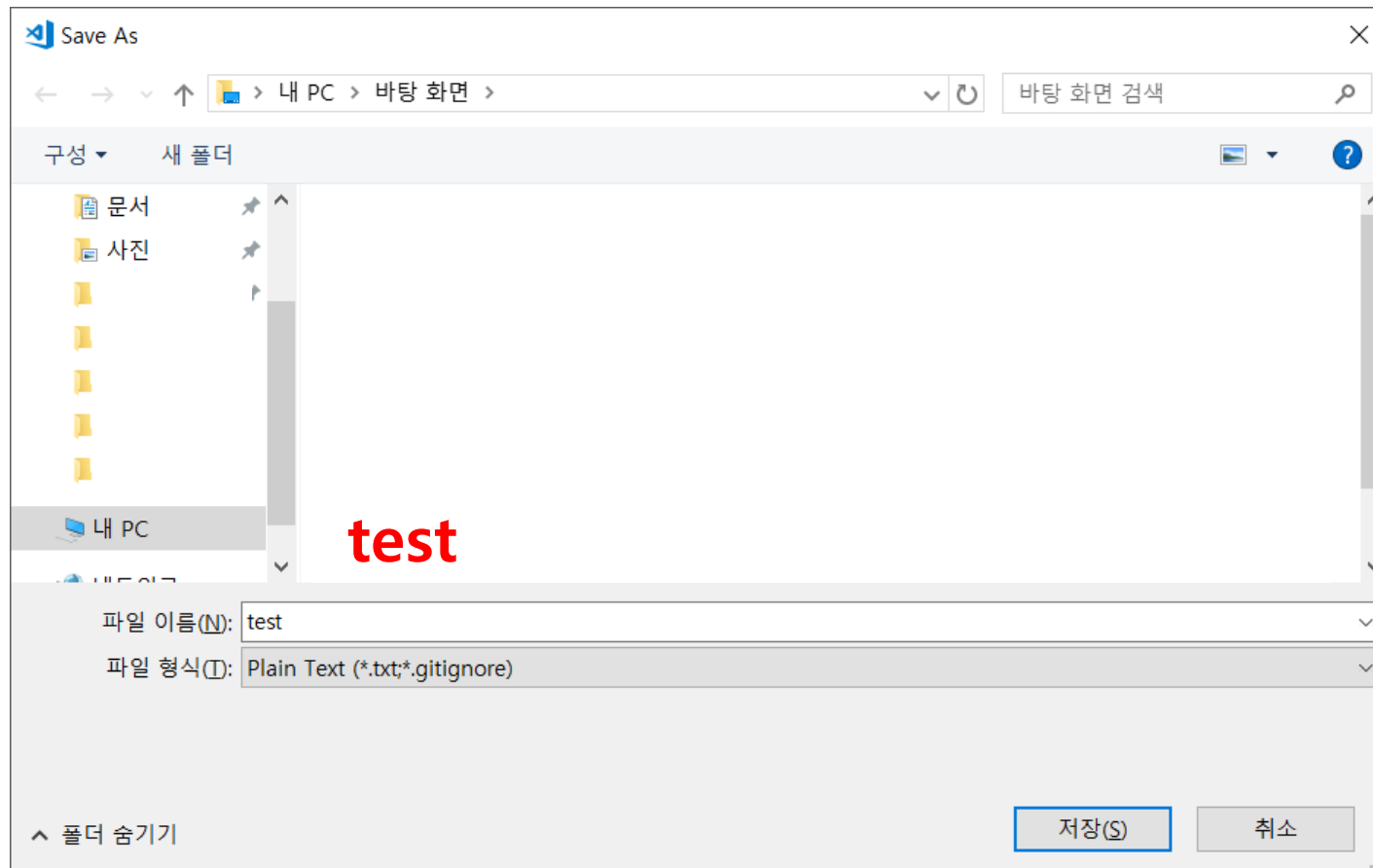
HTML5 문법



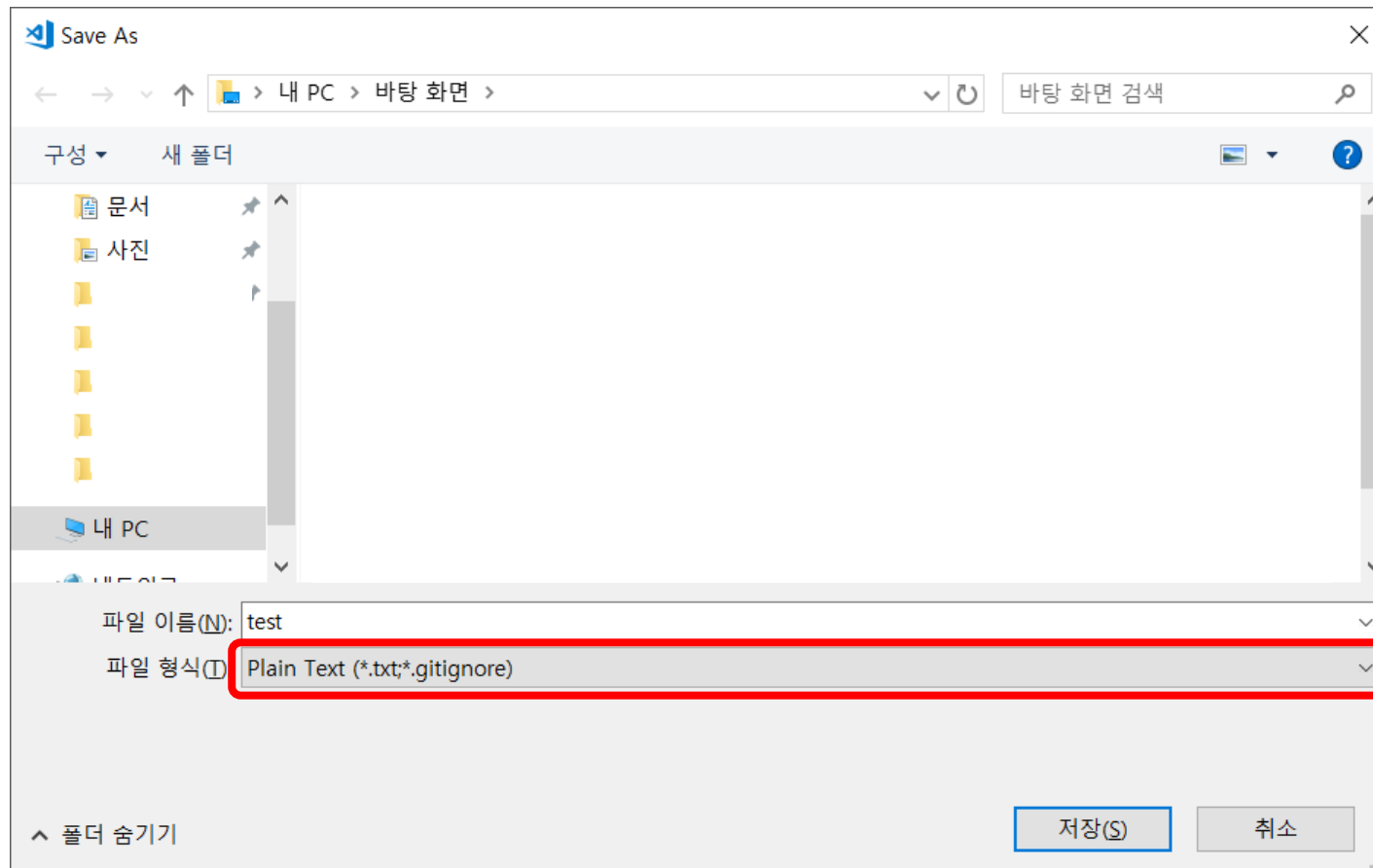
HTML5 문법



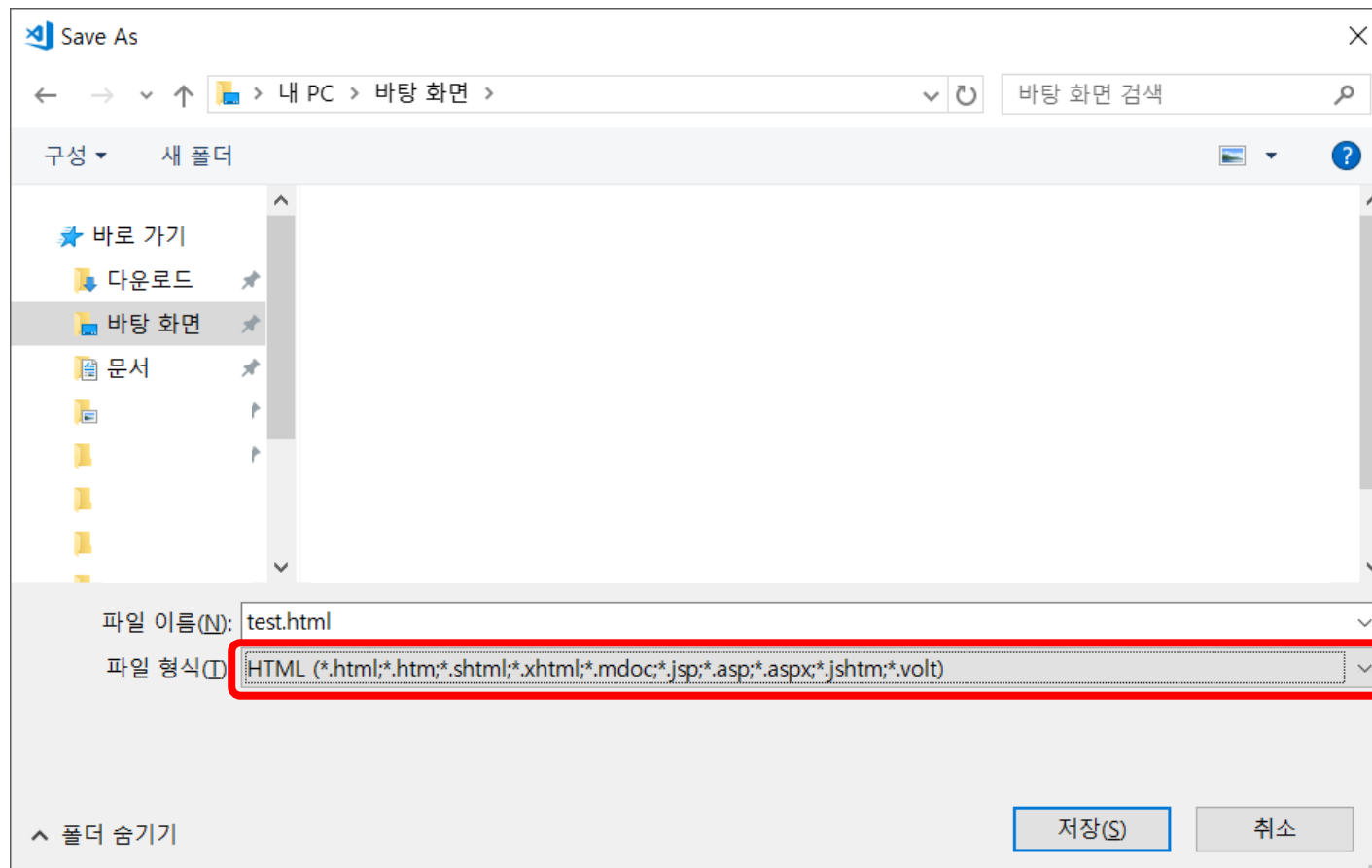
HTML5 문법



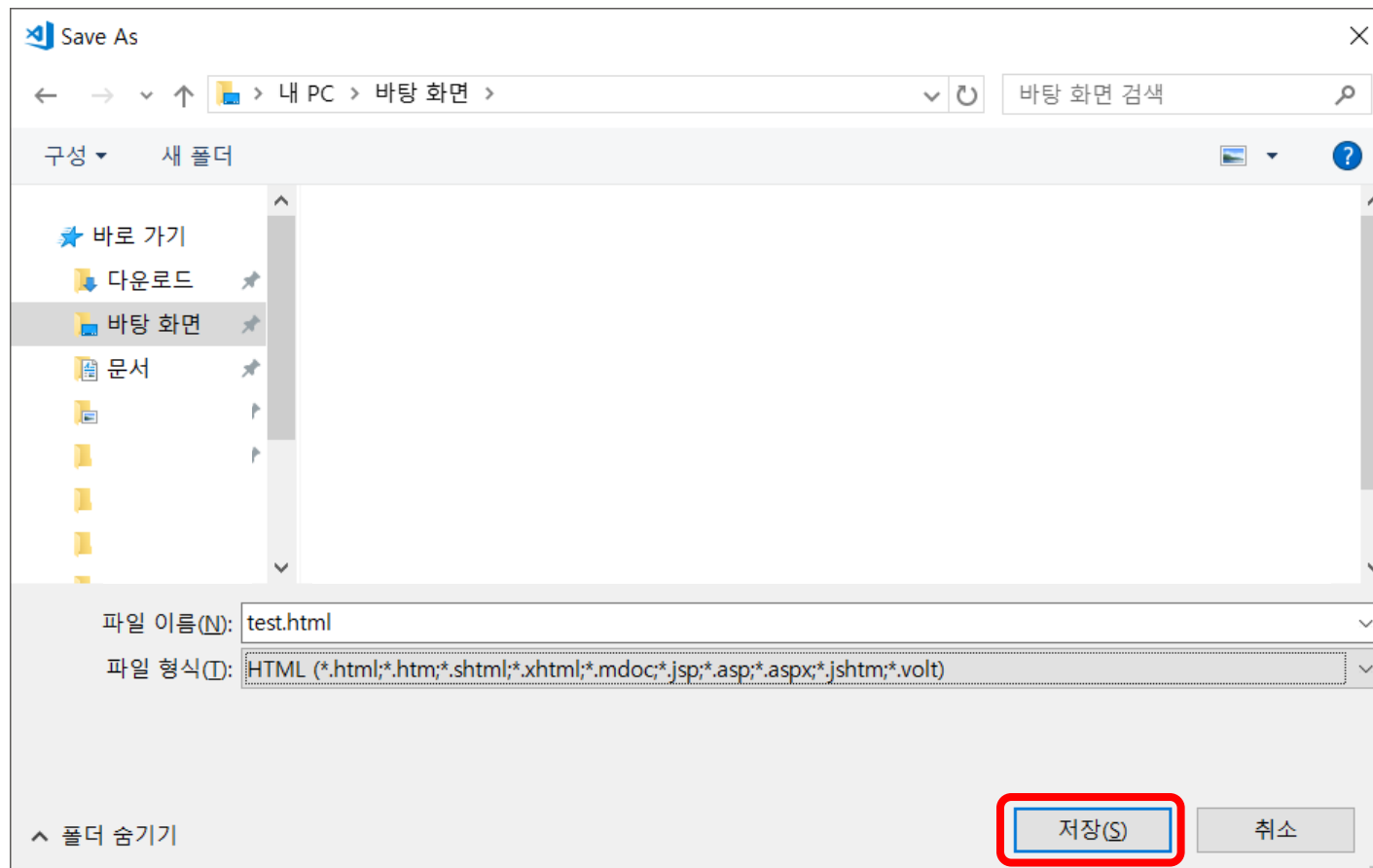
HTML5 문법



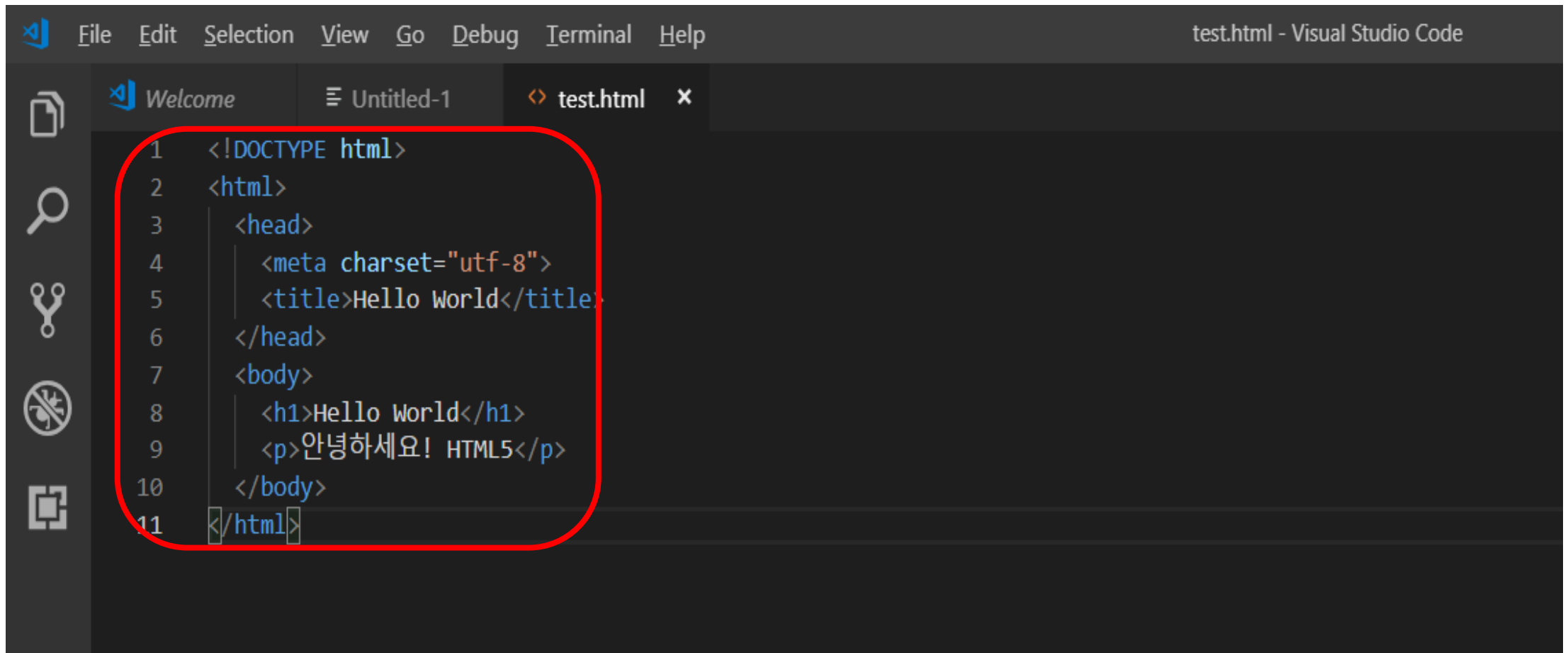
HTML5 문법



HTML5 문법

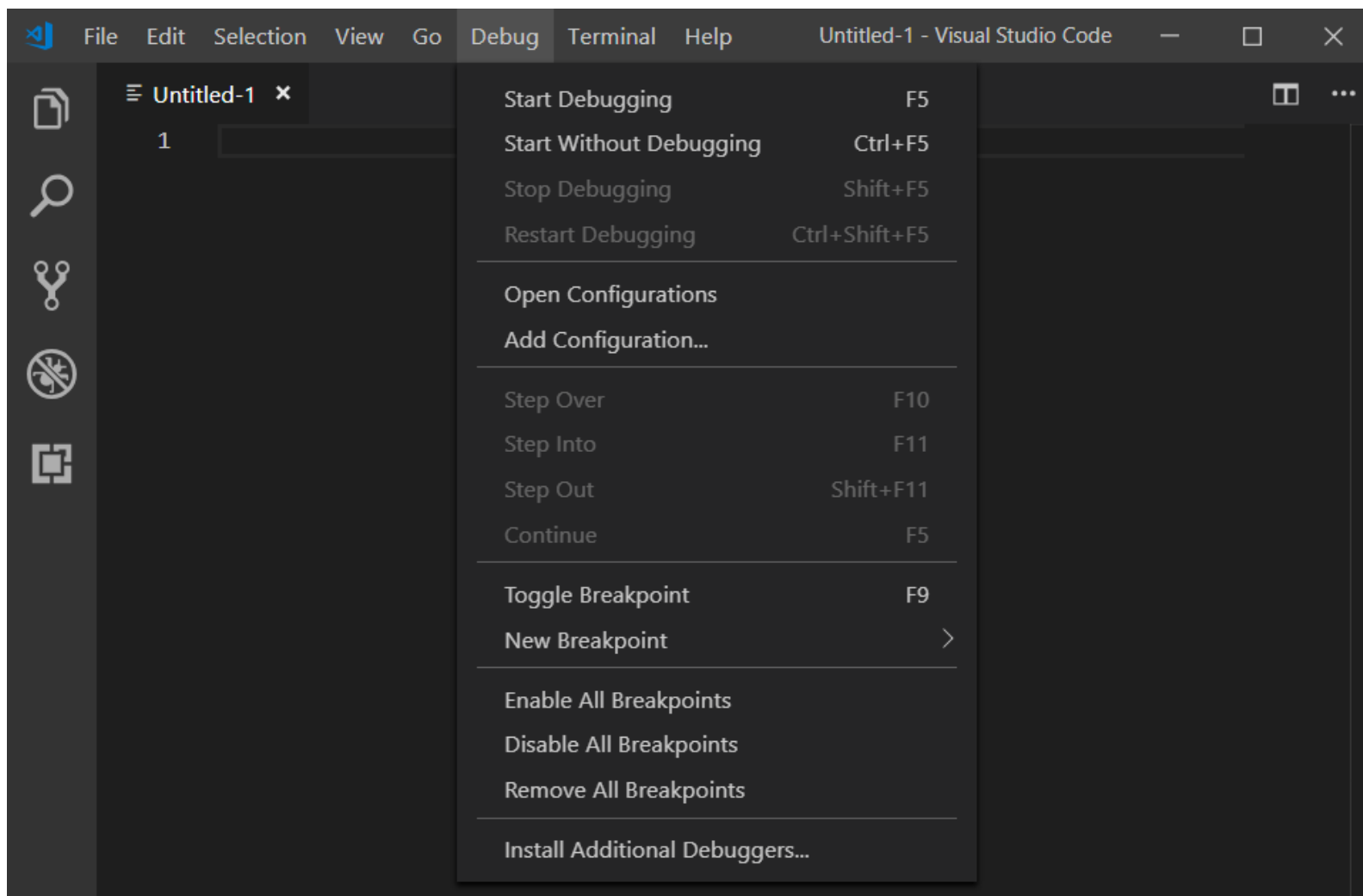


HTML5 문법

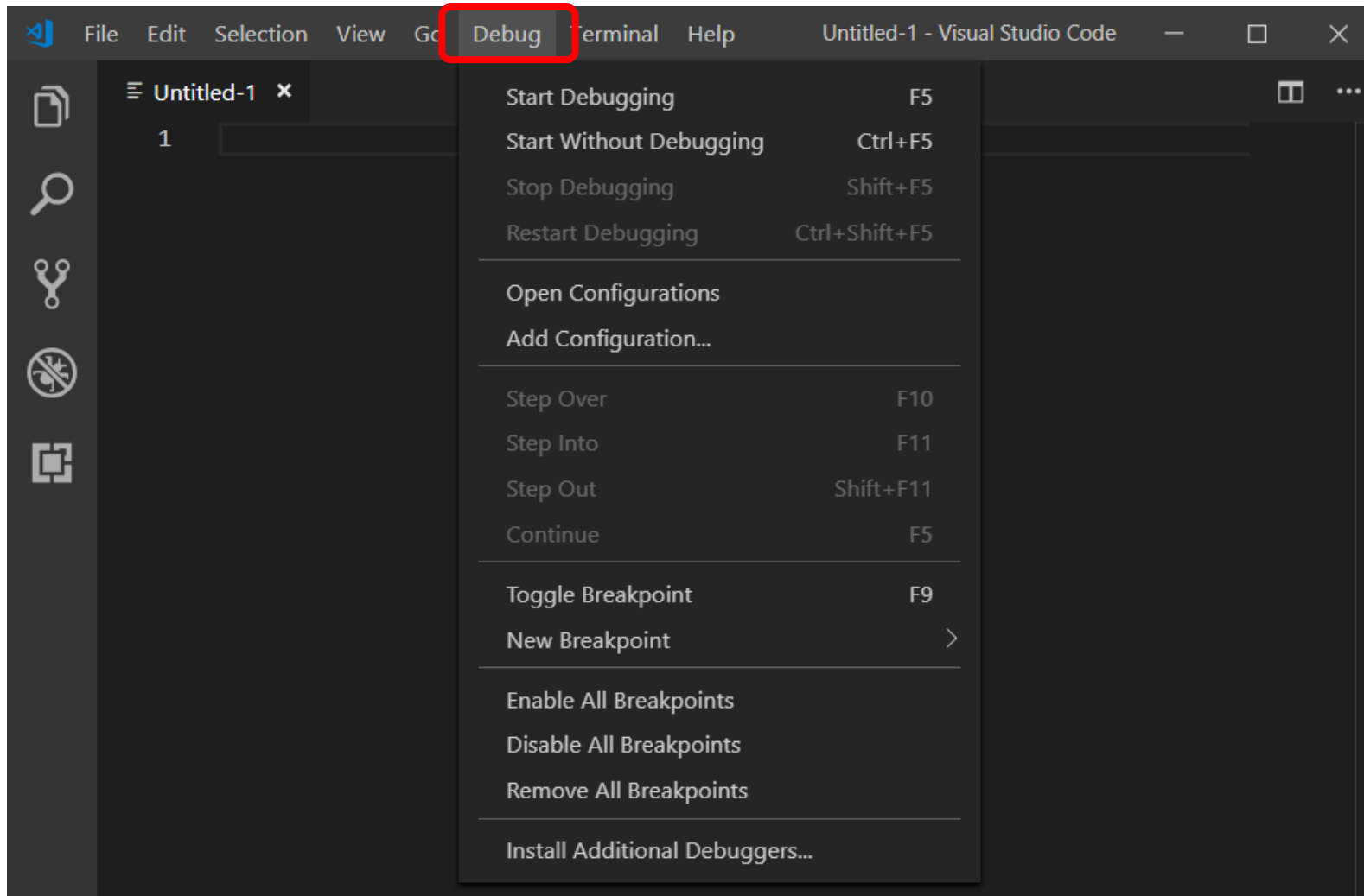


```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Hello World</title>
6   </head>
7   <body>
8     <h1>Hello World</h1>
9     <p>안녕하세요! HTML5</p>
10  </body>
11 </html>
```

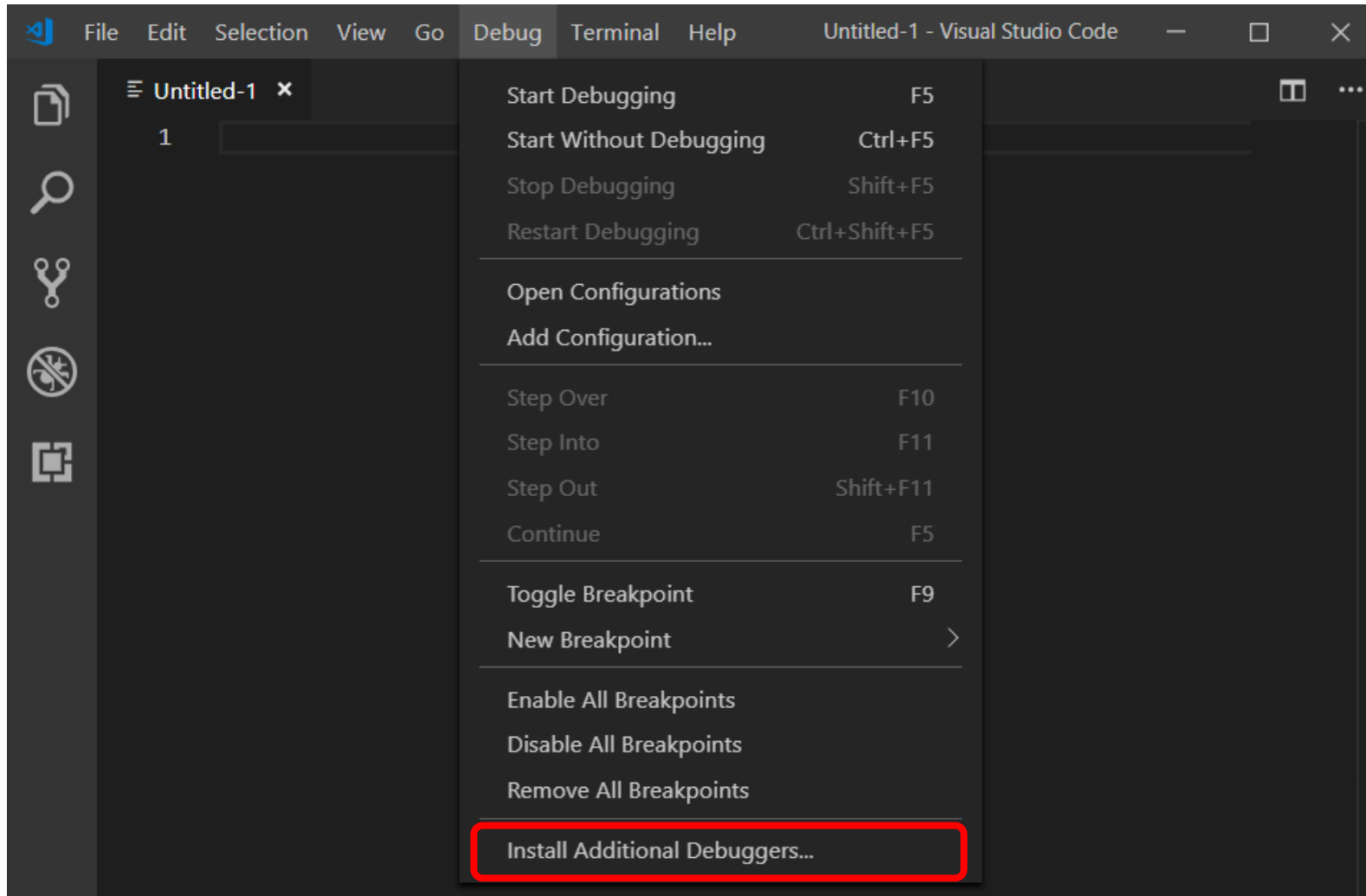
Visual Studio Code로 실행



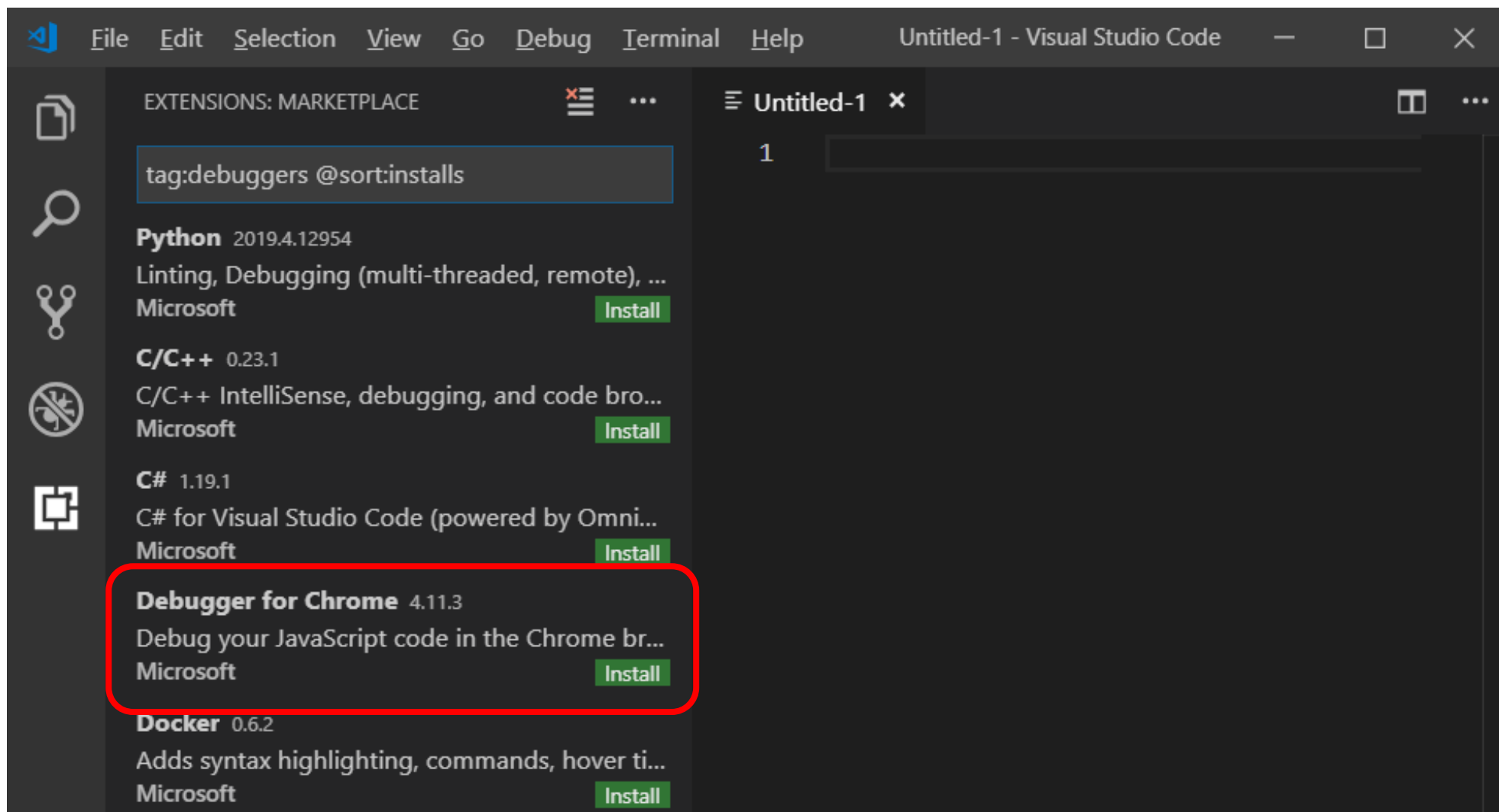
Visual Studio Code로 실행



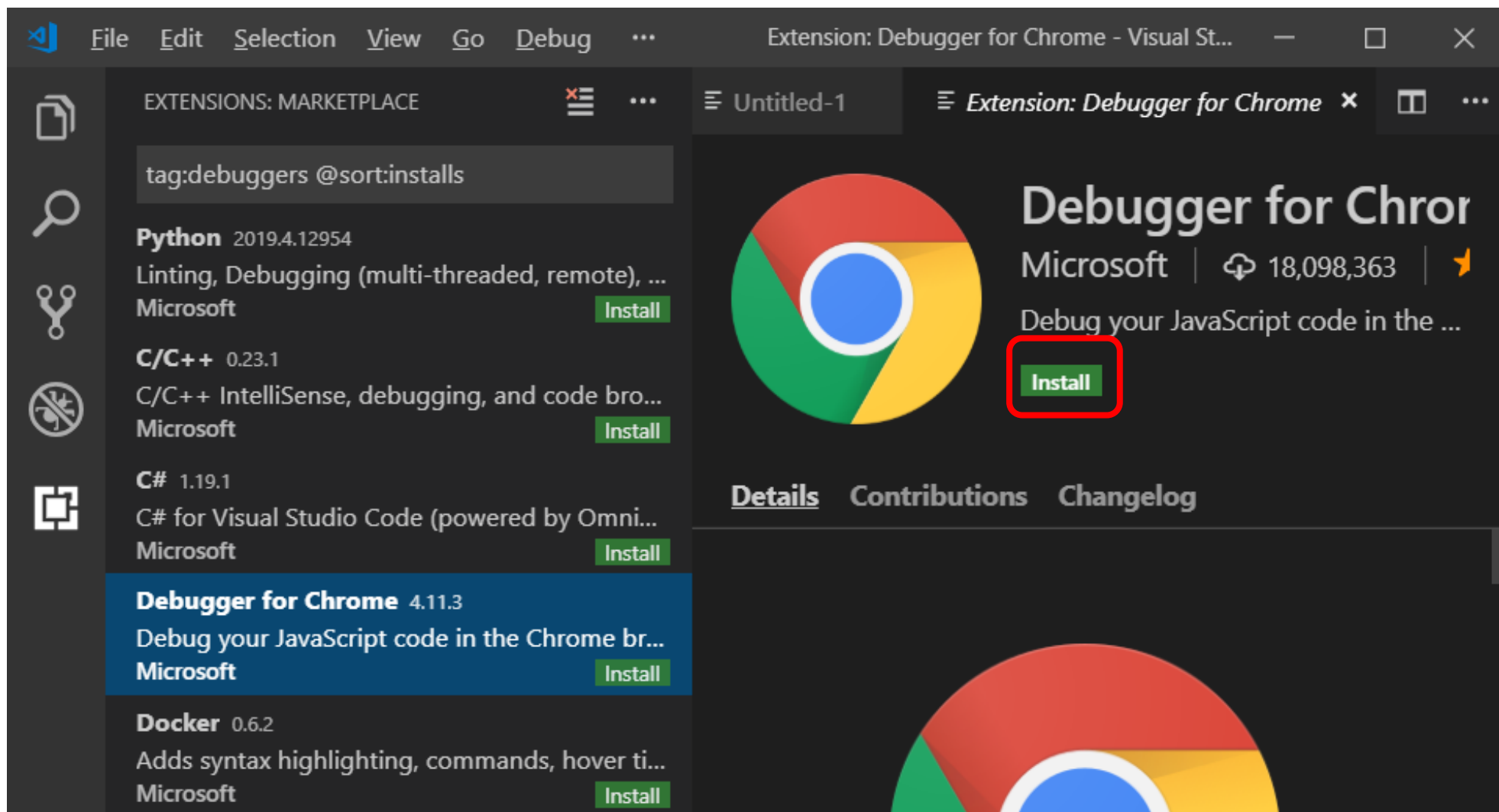
Visual Studio Code로 실행



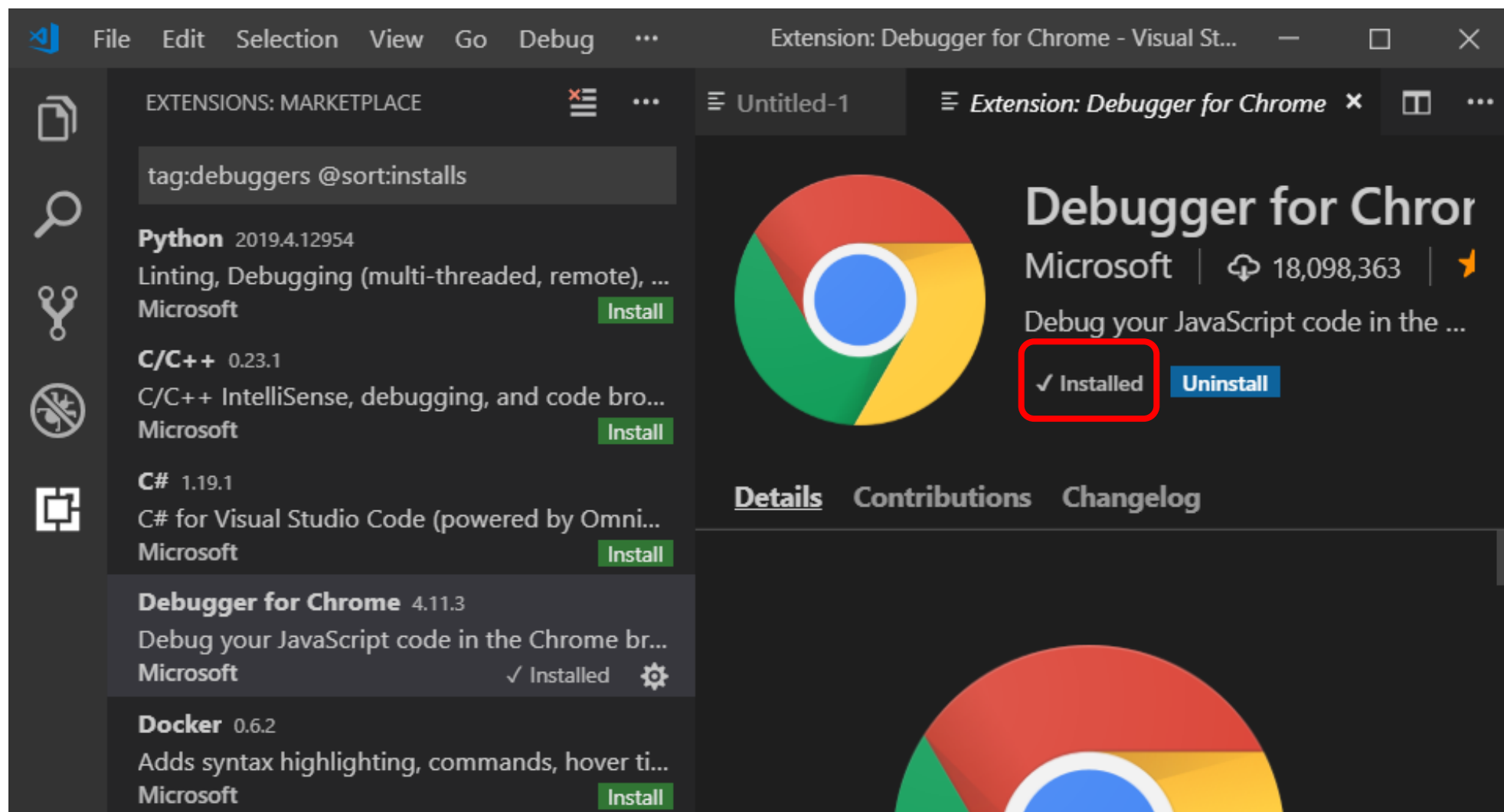
Visual Studio Code로 실행



Visual Studio Code로 실행

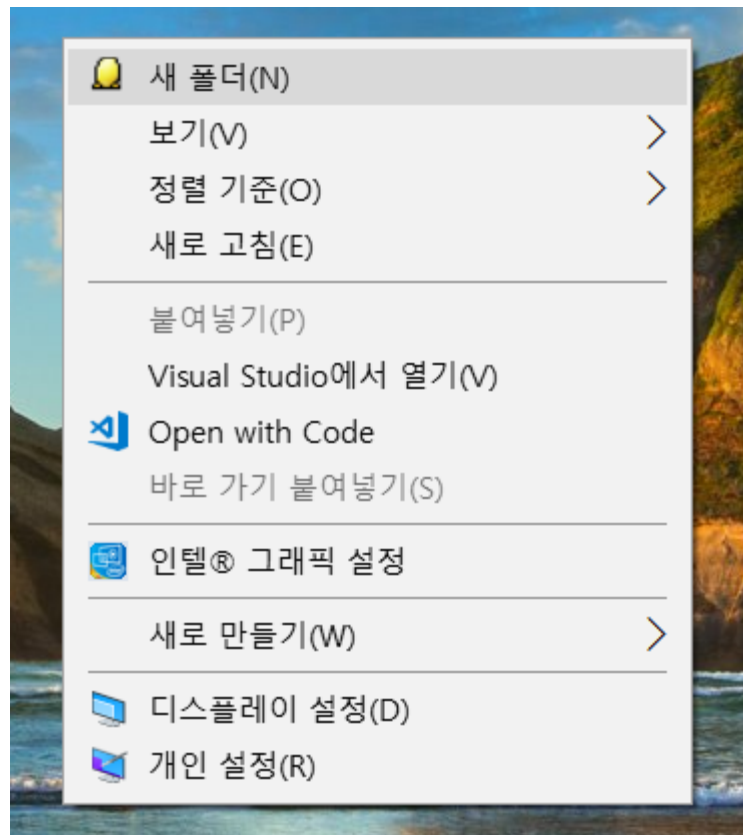


Visual Studio Code로 실행

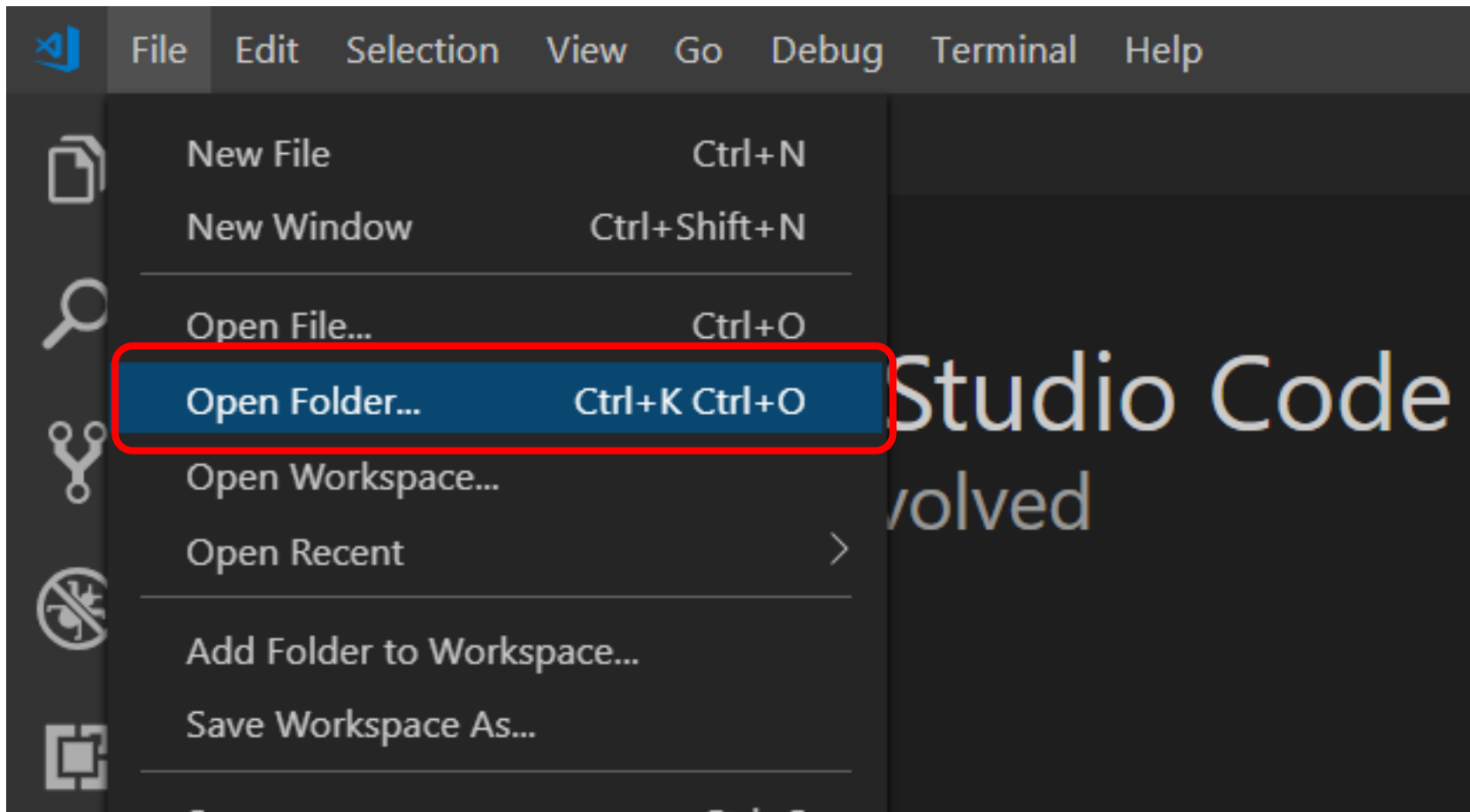


Visual Studio Code로 실행

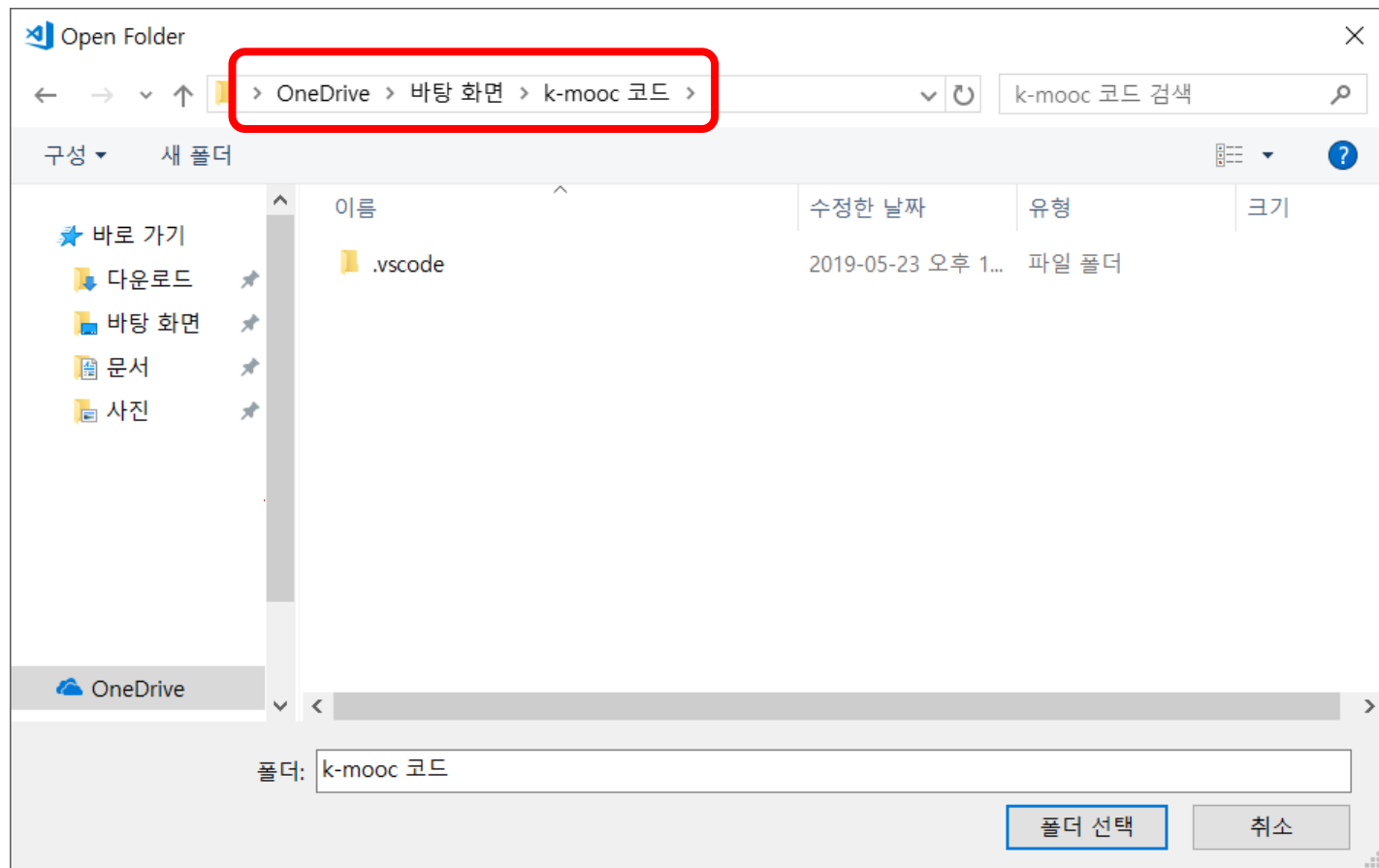
- 디버그에 '폴더 열기'필요 → Html 코드 보관용 폴더 생성을 권장
(바탕화면 - 오른쪽 버튼 클릭 - 새 폴더 만들기)



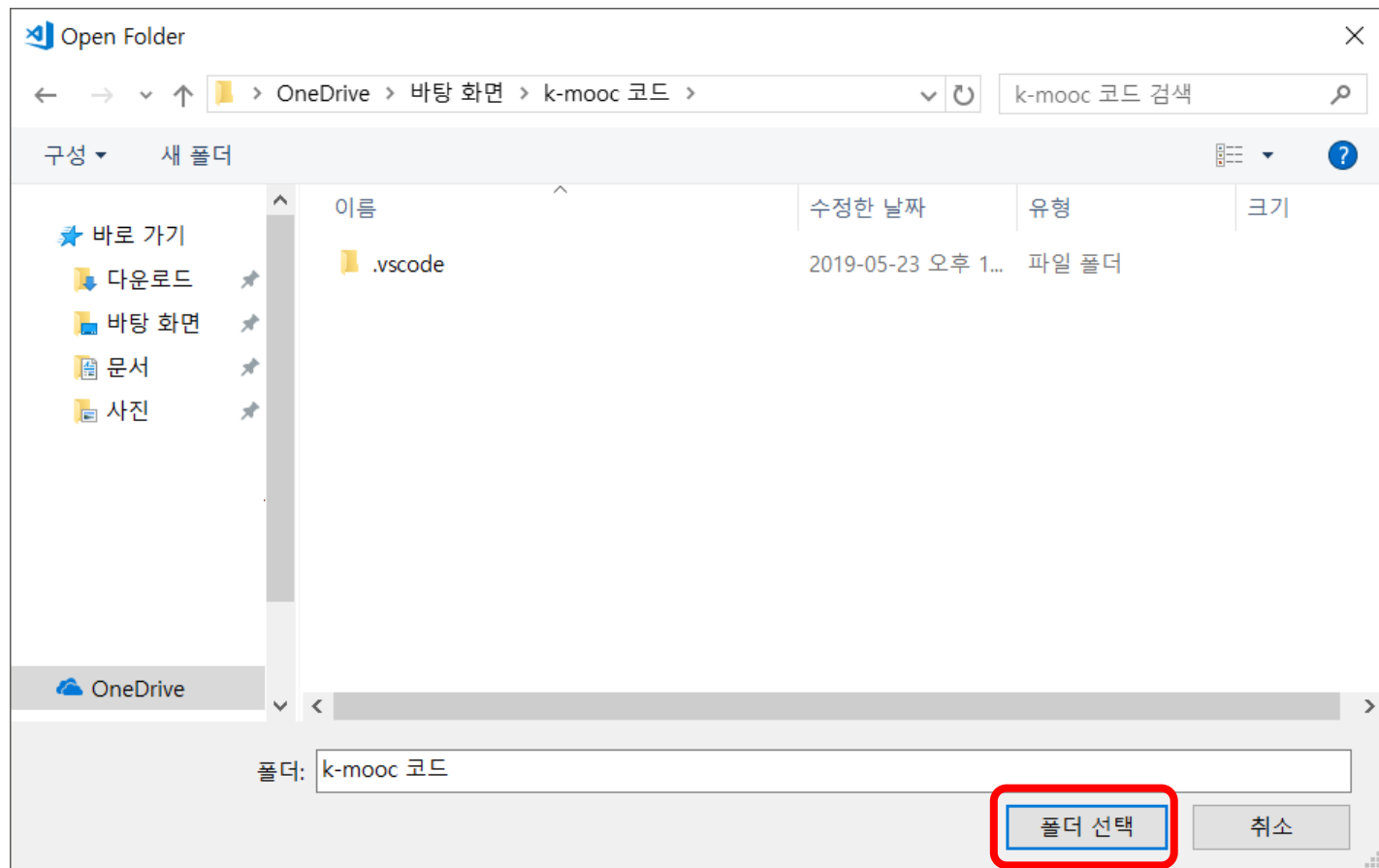
Visual Studio Code로 실행



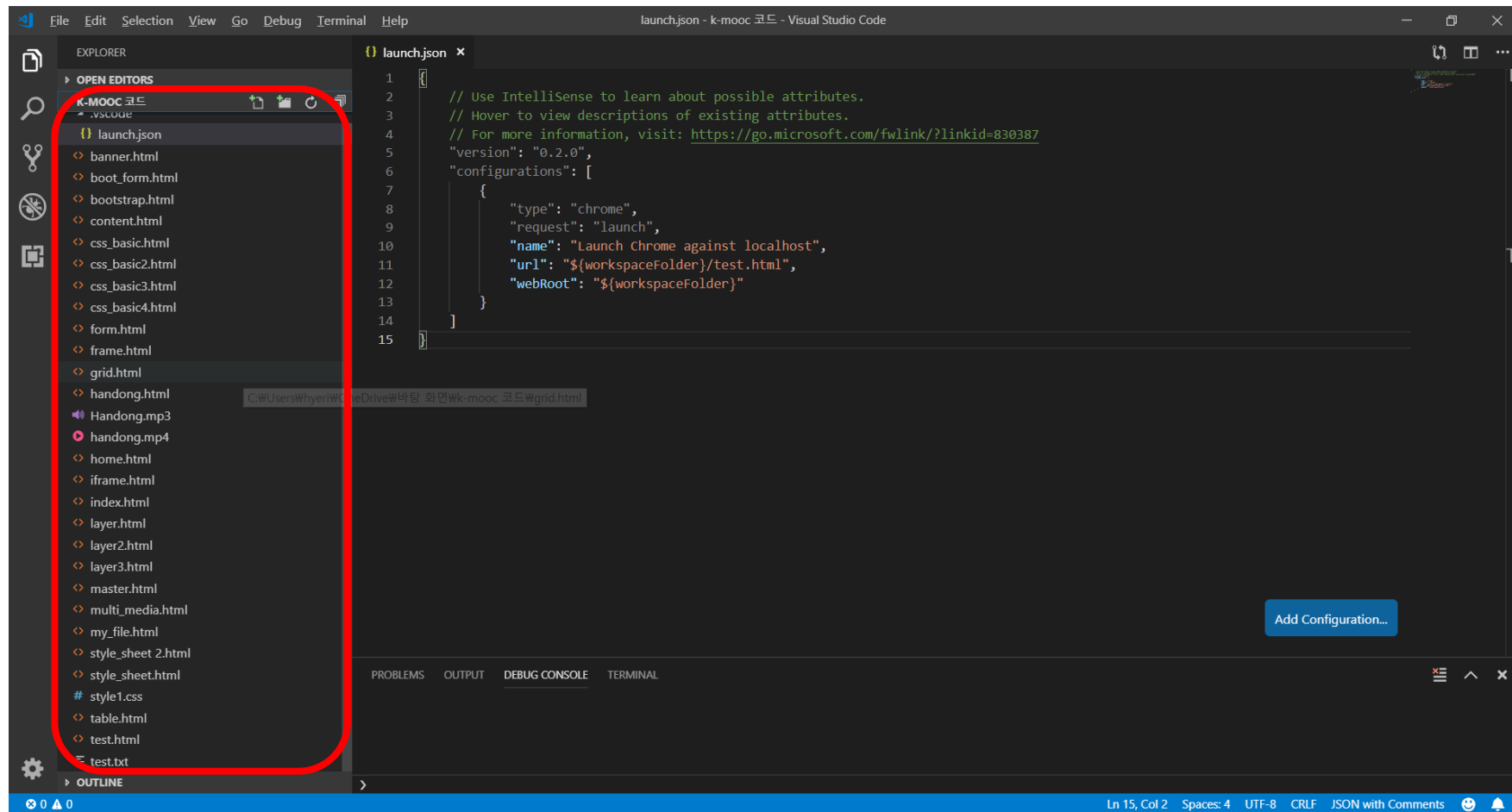
Visual Studio Code로 실행



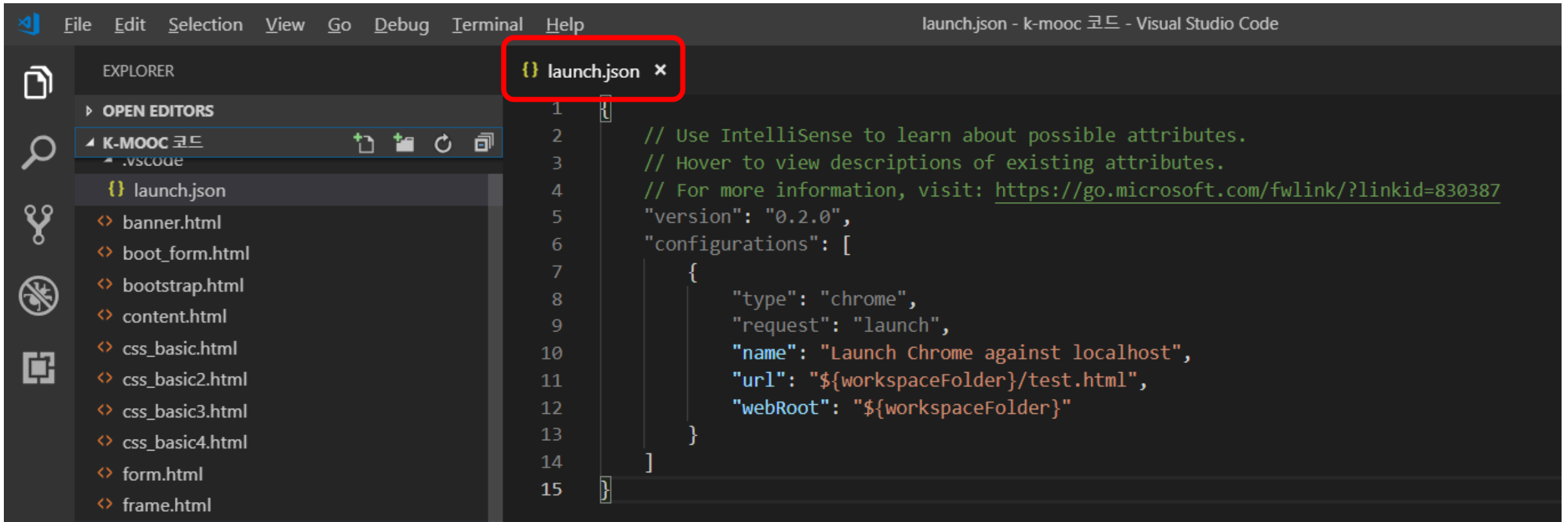
Visual Studio Code로 실행



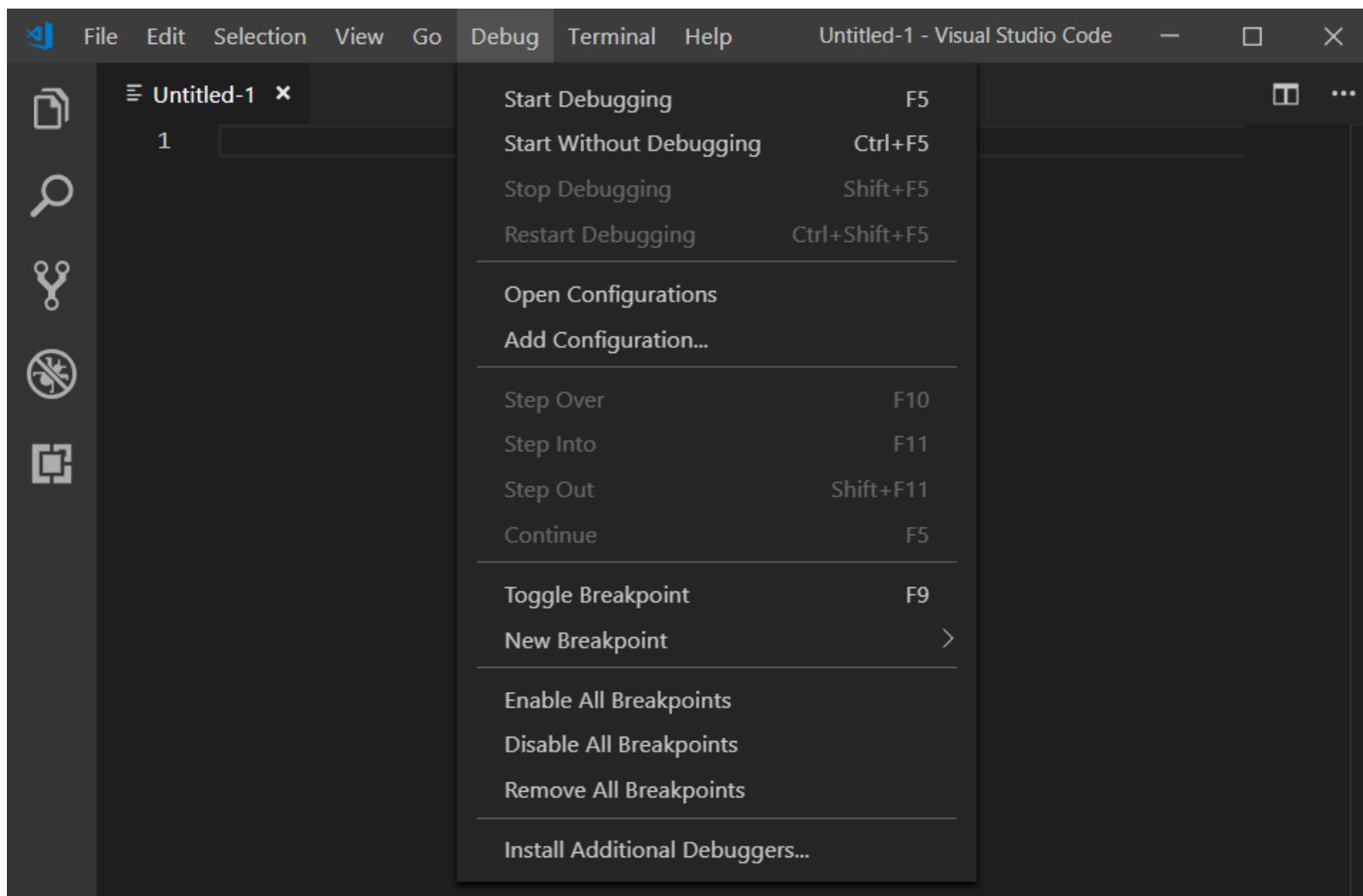
Visual Studio Code로 실행



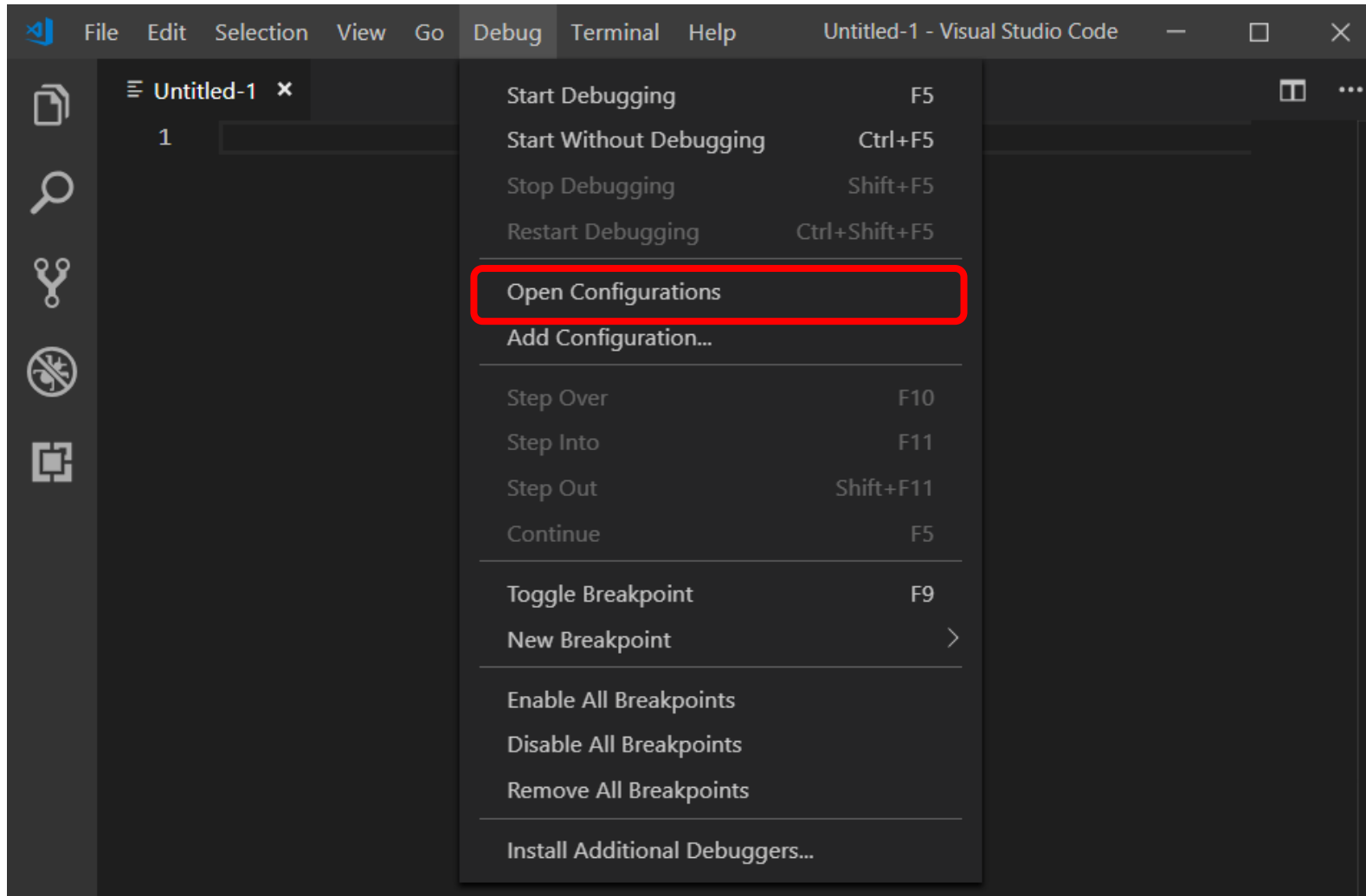
Visual Studio Code로 실행



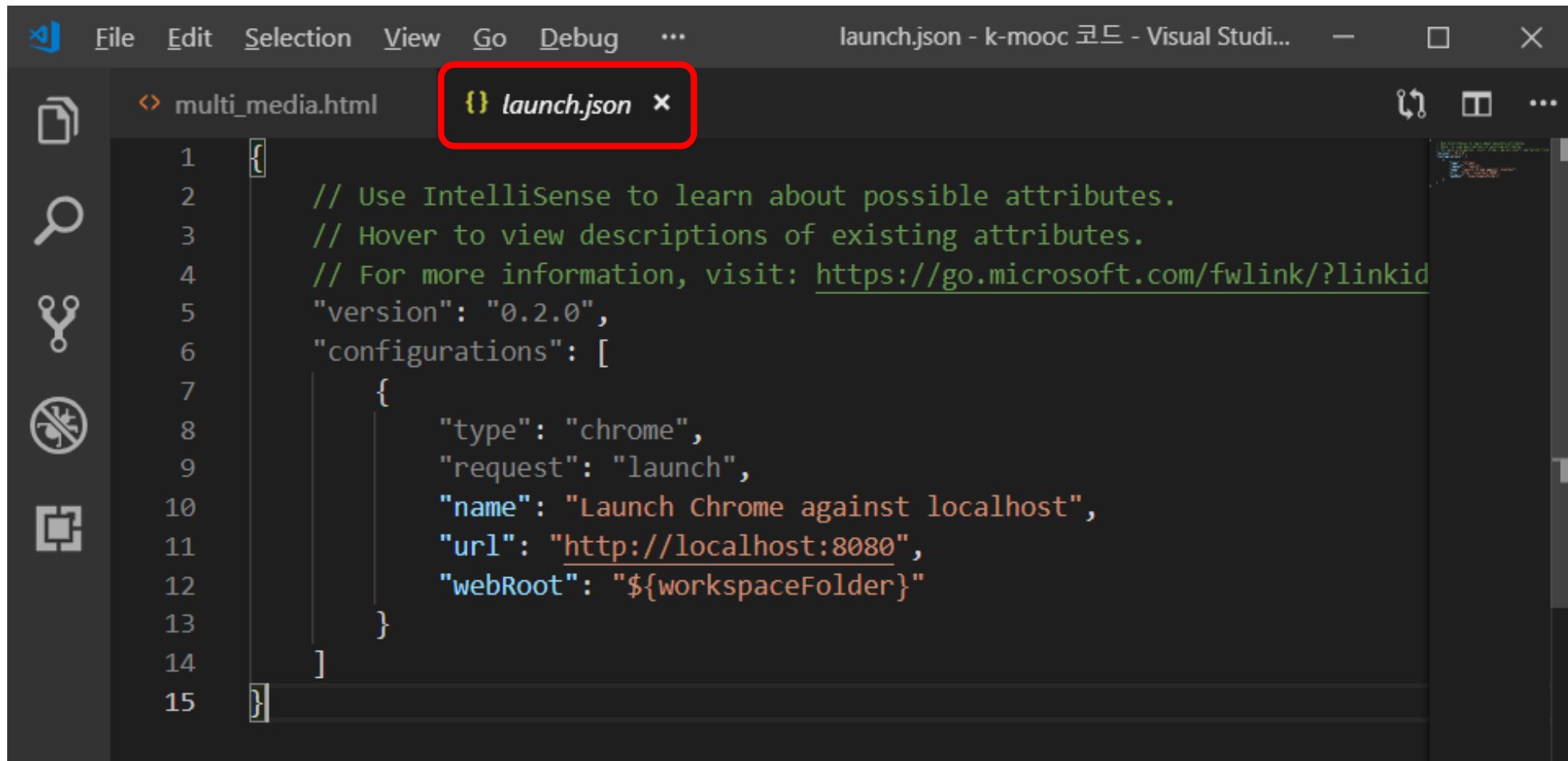
Visual Studio Code로 실행



Visual Studio Code로 실행



Visual Studio Code로 실행



The screenshot shows the Visual Studio Code interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, and Debug. The title bar indicates the active file is 'launch.json - k-mooc 코드 - Visual Studi...'. The Explorer sidebar on the left shows two files: 'multi_media.html' and 'launch.json'. The 'launch.json' file is selected and its tab is highlighted with a red rectangle. The main editor area displays the JSON configuration for the launch.json file, which is used to launch a web application in a browser. The code includes comments about using IntelliSense and a configuration for launching Chrome against localhost.

```
1 {  
2     // Use IntelliSense to learn about possible attributes.  
3     // Hover to view descriptions of existing attributes.  
4     // For more information, visit: https://go.microsoft.com/fwlink/?linkid  
5     "version": "0.2.0",  
6     "configurations": [  
7         {  
8             "type": "chrome",  
9             "request": "launch",  
10            "name": "Launch Chrome against localhost",  
11            "url": "http://localhost:8080",  
12            "webRoot": "${workspaceFolder}"  
13        }  
14    ]  
15 }
```

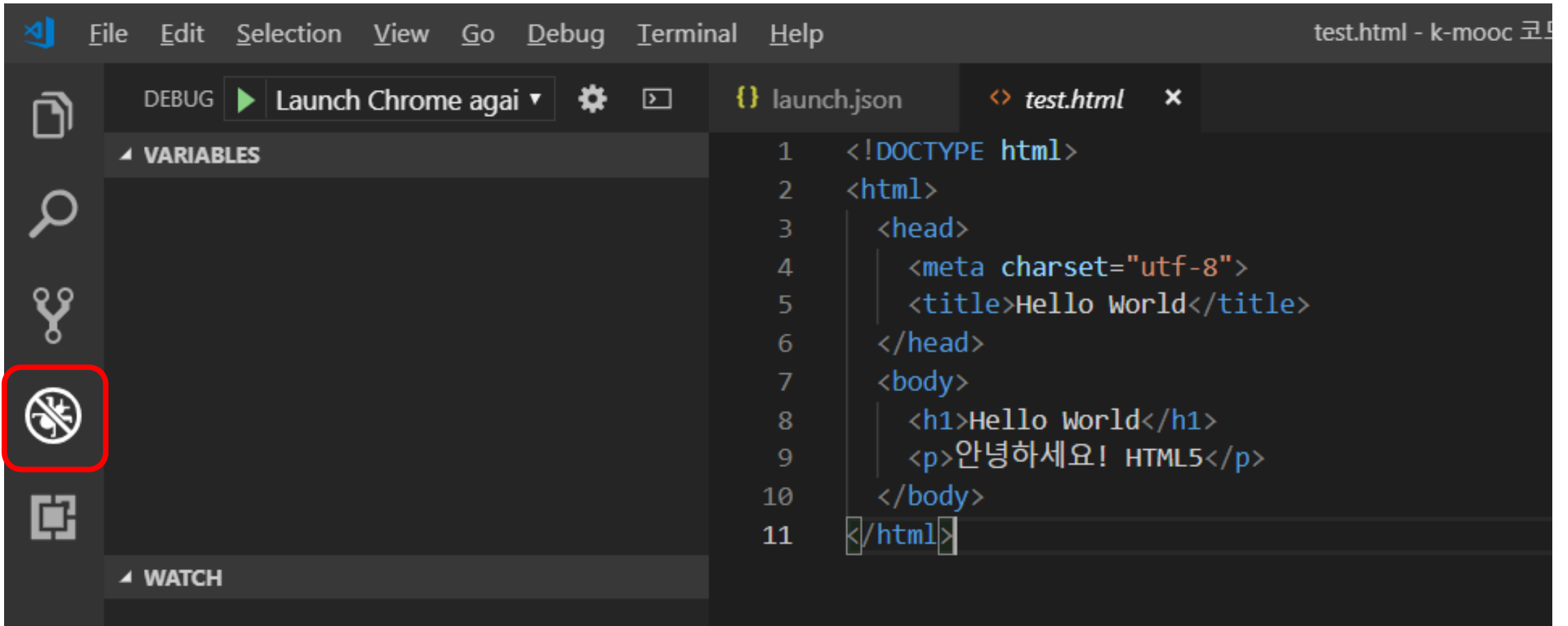
Visual Studio Code로 실행

```
{ launch.json x
1  {
2      // Use IntelliSense to learn about possible attributes.
3      // Hover to view descriptions of existing attributes.
4      // For more information, visit: https://go.microsoft.com/fwlink/?linkid=830387
5      "version": "0.2.0",
6      "configurations": [
7          {
8              "type": "chrome",
9              "request": "launch",
10             "name": "Launch Chrome against localhost",
11             "url": "${workspaceFolder}/test.html",
12             "webRoot": "${workspaceFolder}"
13         }
14     ]
15 }
```

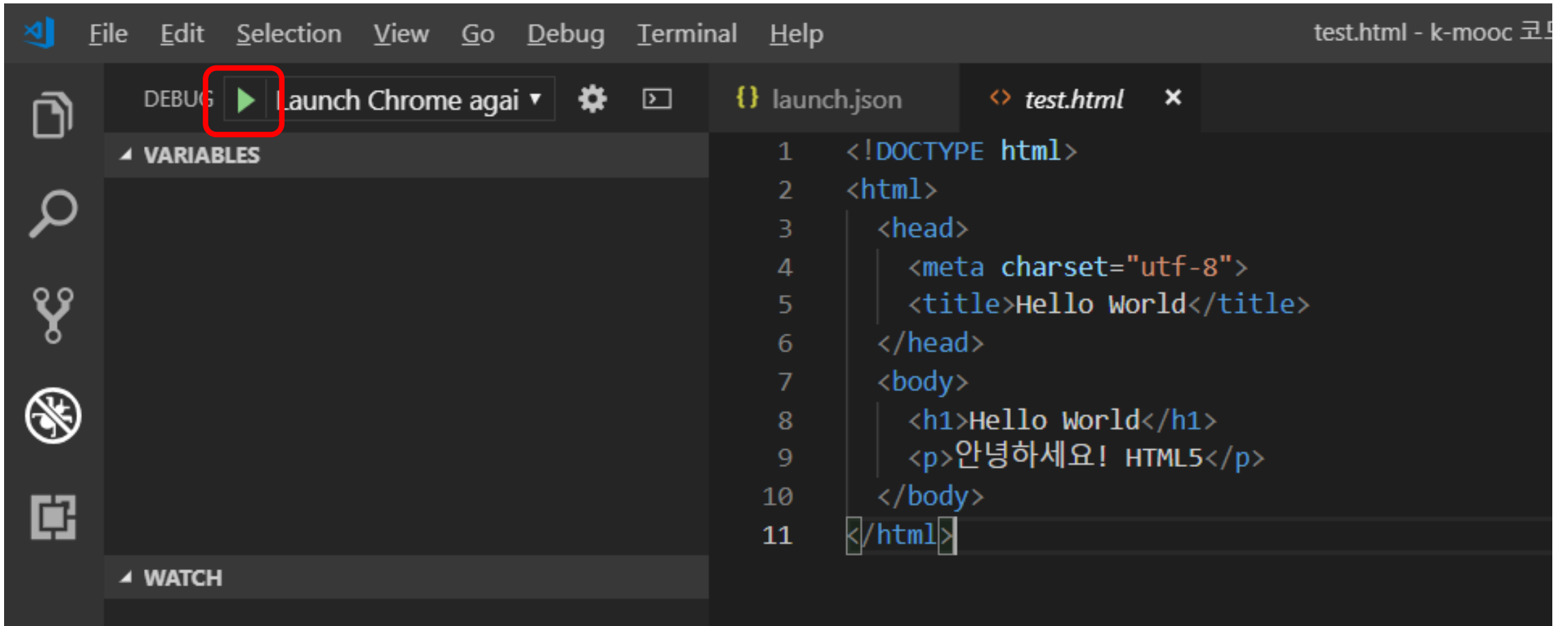
Visual Studio Code로 실행

```
{ } launch.json x
1  {
2      // Use IntelliSense to learn about possible attributes.
3      // Hover to view descriptions of existing attributes.
4      // For more information, visit: https://go.microsoft.com/fwlink/?linkid=830387
5      "version": "0.2.0",
6      "configurations": [
7          {
8              "type": "chrome",
9              "request": "launch",
10             "name": "Launch Chrome against localhost",
11             "url": "${workspaceFolder}/test.html",
12             "webRoot": "${workspaceFolder}"
13         }
14     ]
15 }
```

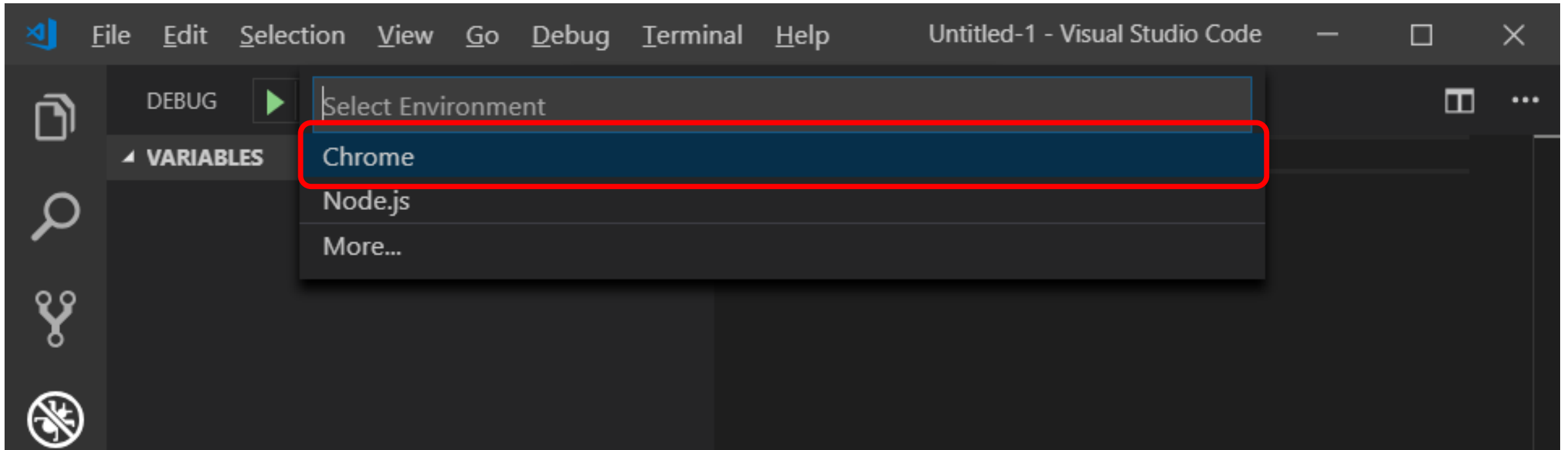

Visual Studio Code로 실행



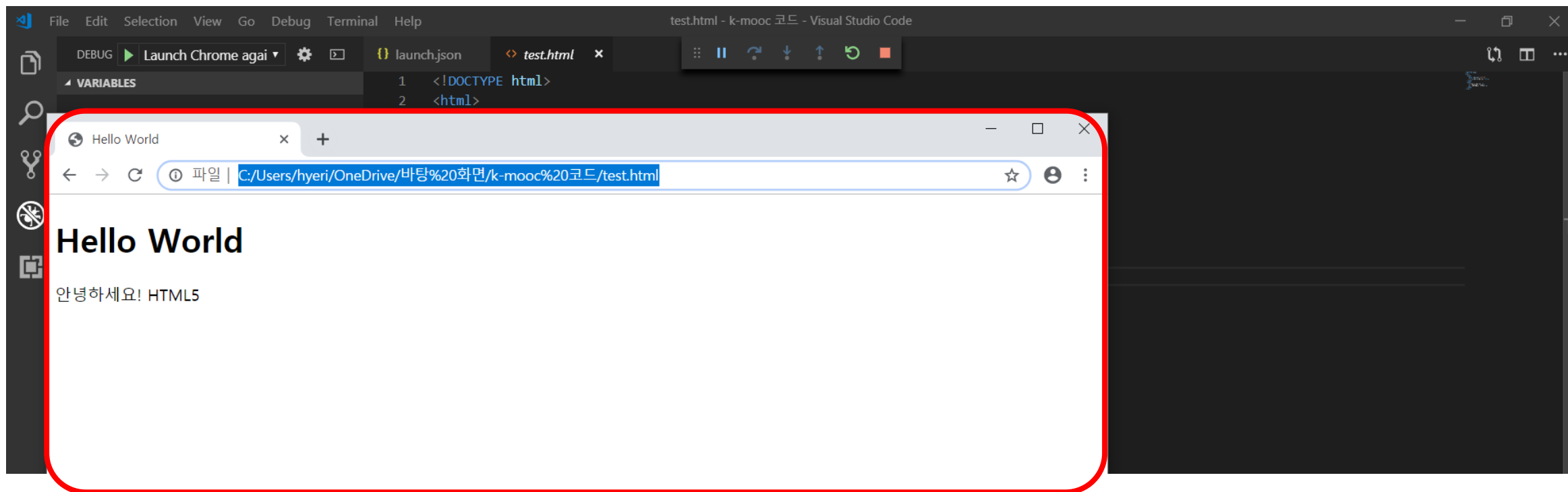
Visual Studio Code로 실행



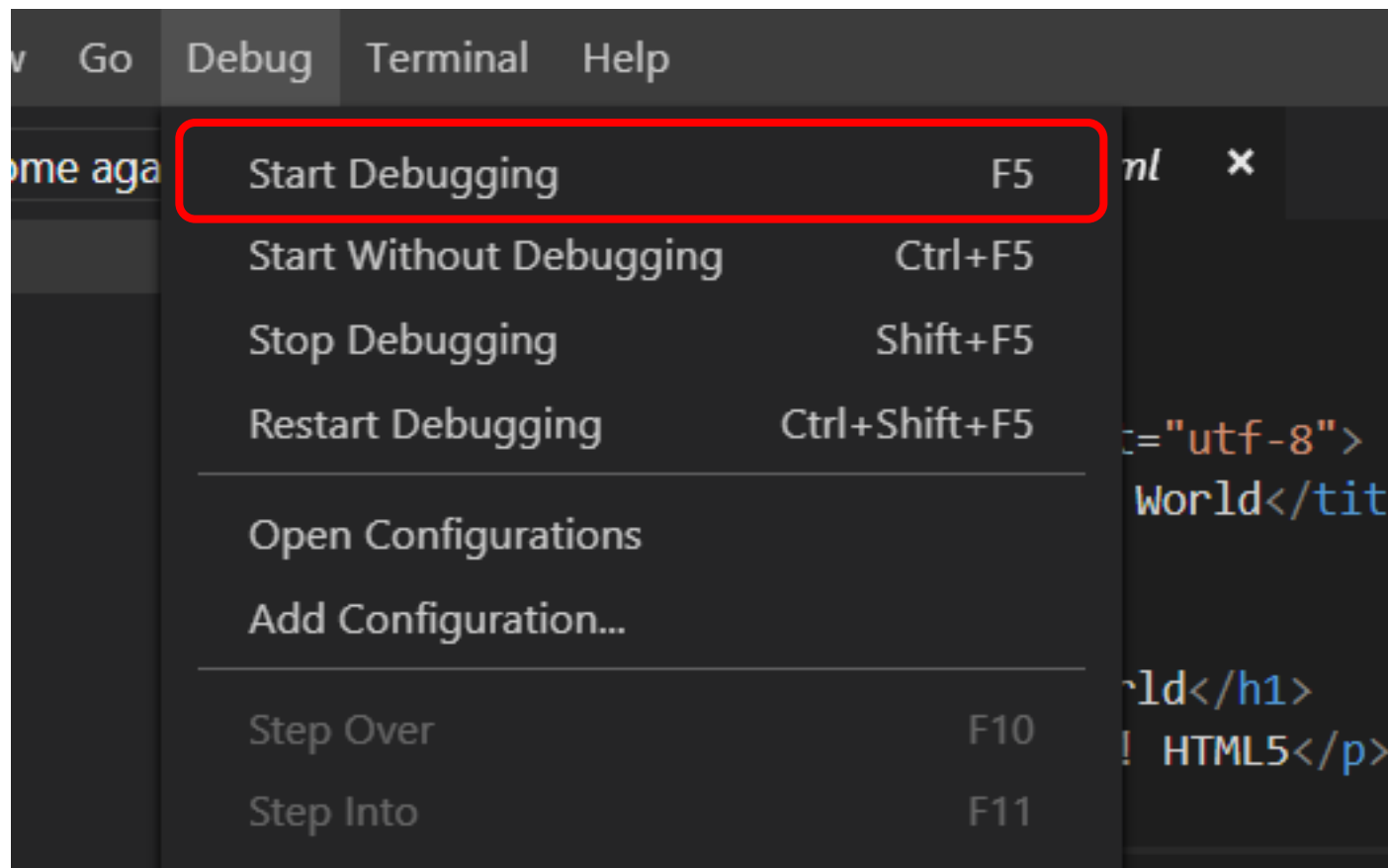
Visual Studio Code로 실행



Visual Studio Code로 실행



Visual Studio Code로 실행



요약

- HTML5 개념과 구조
- 메모장으로 HTML 문서 작성
- Visual Studio Code 설치
- Visual Studio Code 문서 작성 및 디버깅

차시 예고

- 3-2 : HTML 기본 태그 알아보기
 - HTML 태그 사용 규칙
 - Html기본 태그
 - 링크삽입, 그림삽입, 그림에 링크삽입, 폰트 스타일 지정, 텍스트 형식, 배경 변경, 리스트, 기타

강의를 마치겠습니다
수고하셨습니다

3주차_01 HTML5 구조