

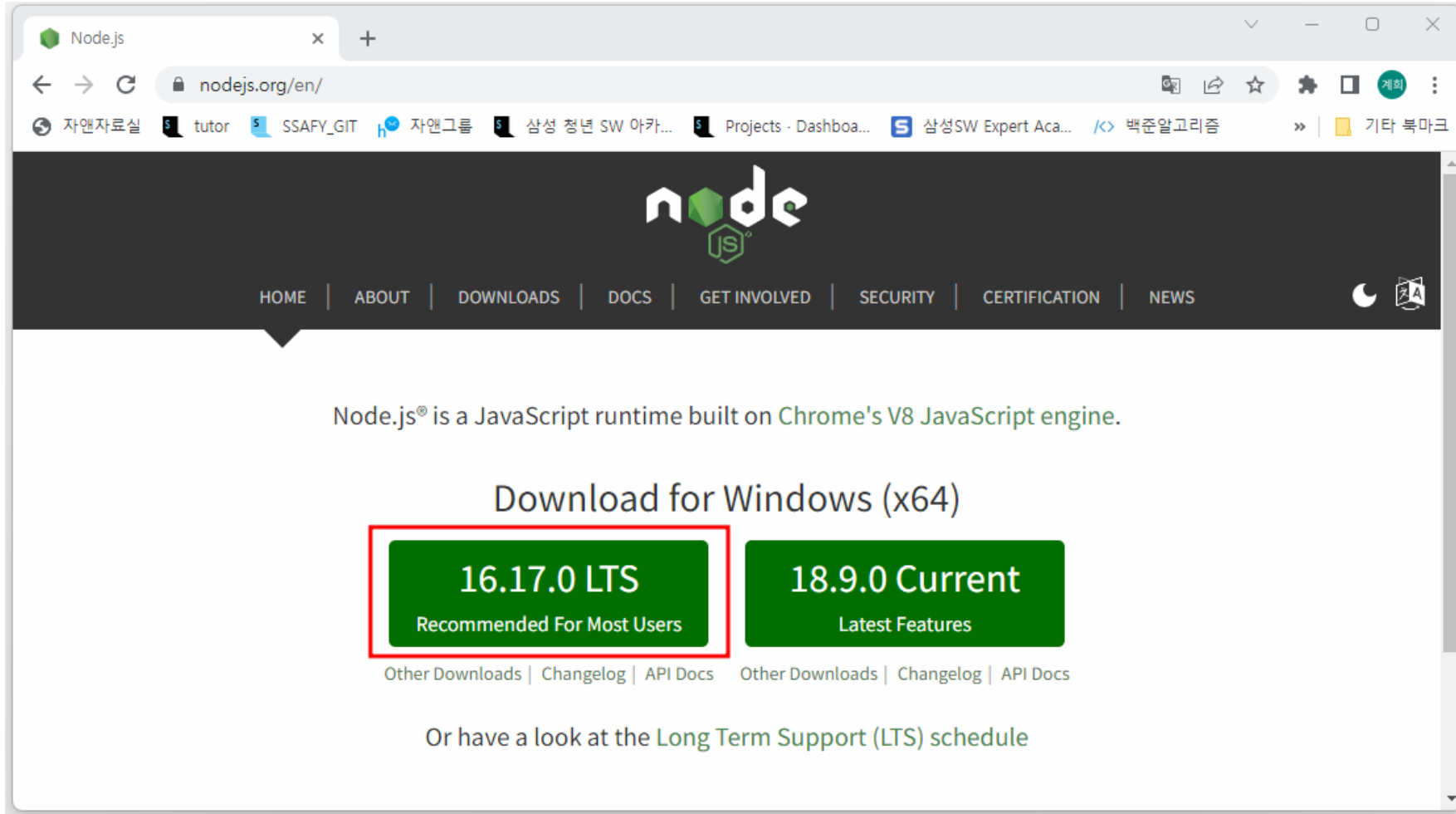
ReactJS

R e a c t J S



1. Node.js 와 npm 설치하기

➤ <https://nodejs.org/en> ➔ node-v16.17.0-x64.msi



➤ node 버전확인

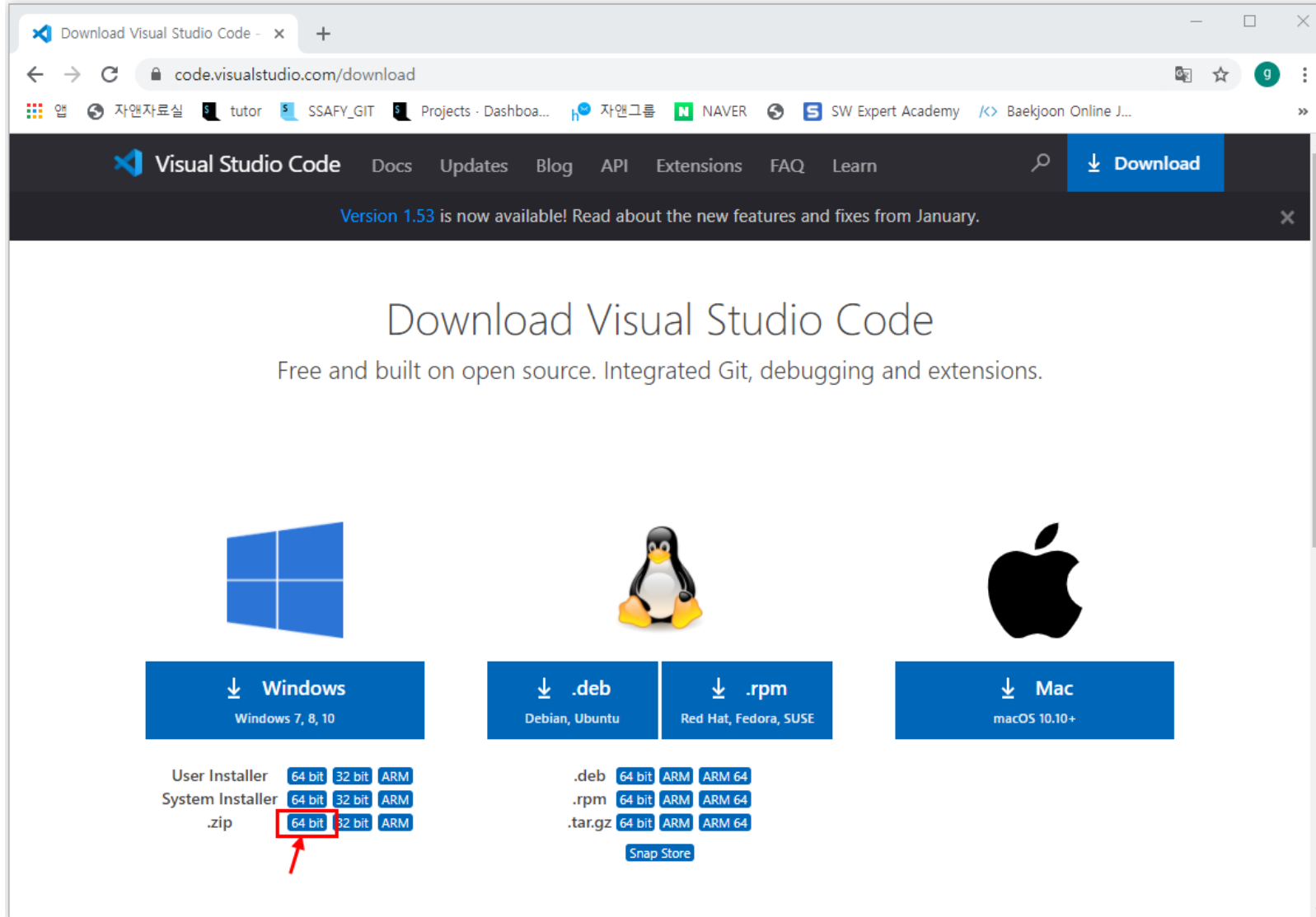
```
Microsoft Windows [Version 10.0.22000.795]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\Wjenni>node --version  
v16.15.0  
  
C:\Users\Wjenni>
```

➤ npm 버전확인

```
C:\Users\Wjenni>npm --version  
8.12.1  
  
C:\Users\Wjenni>
```

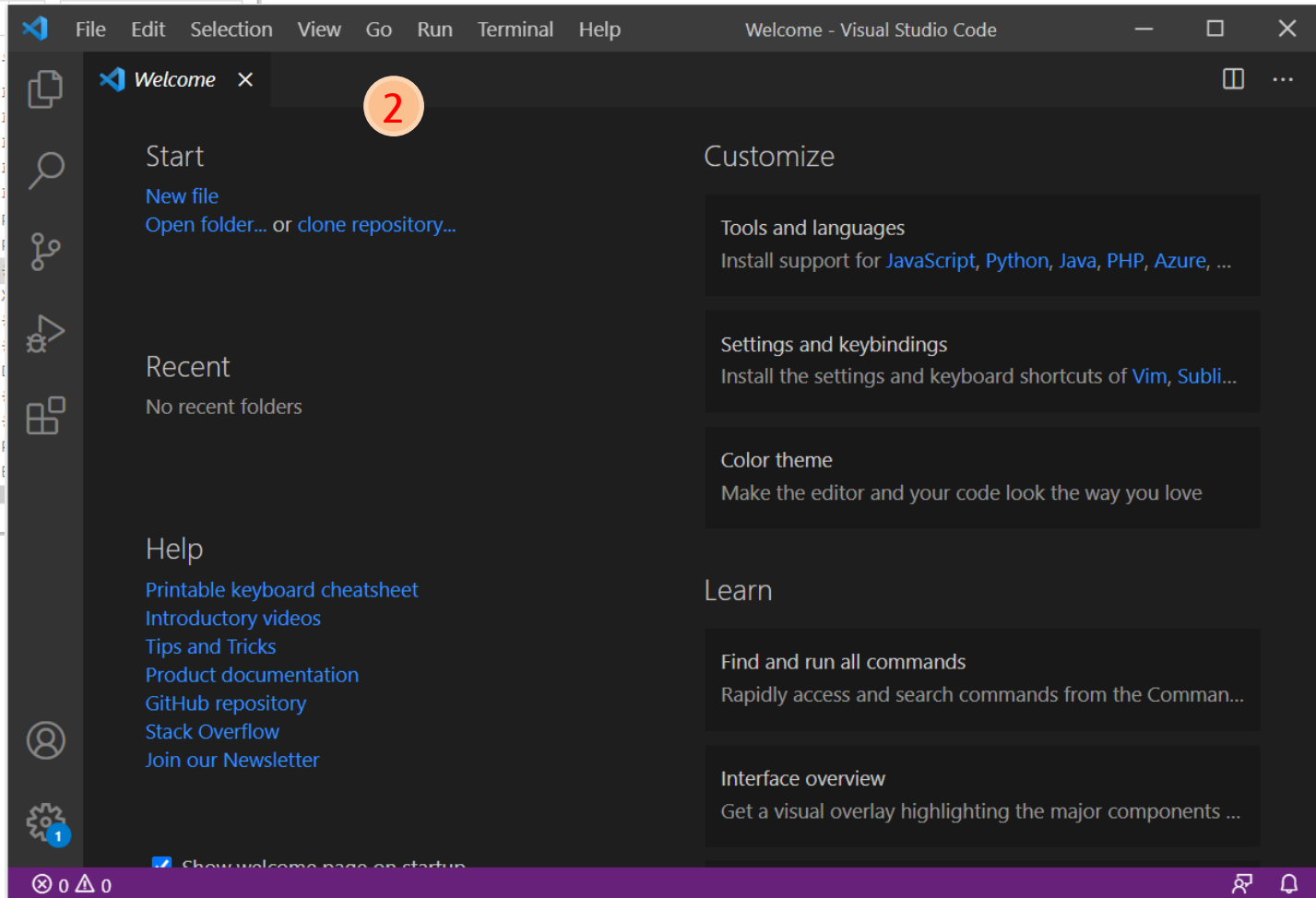
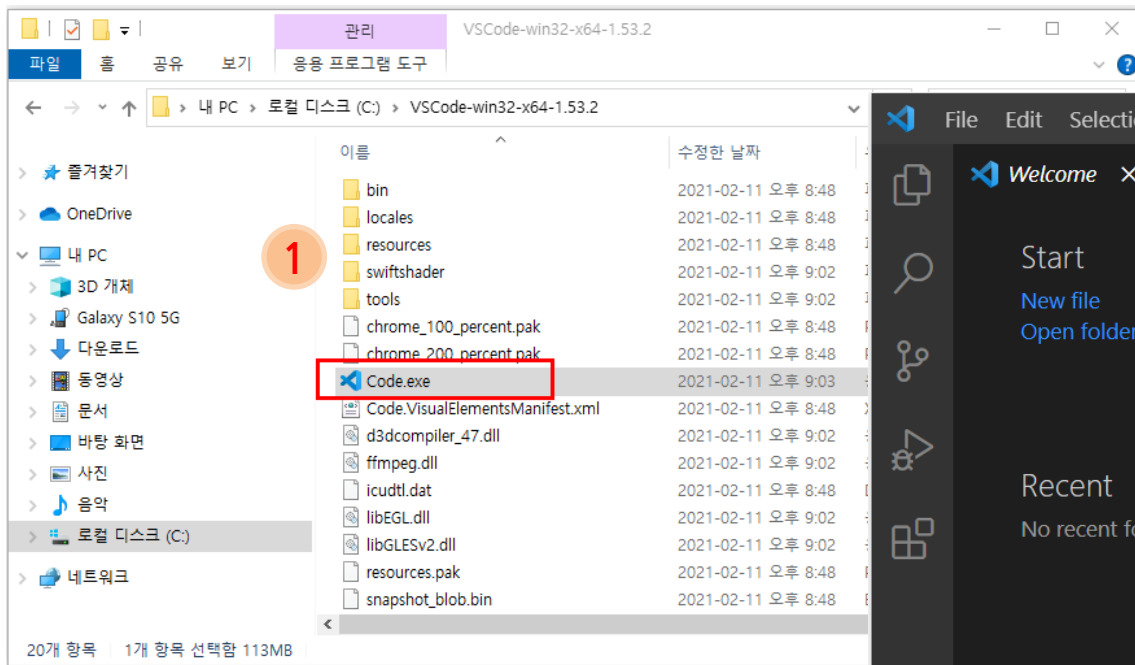
2. Visual Studio Code download & install

➤ <https://code.visualstudio.com/Download> ➔ VSCode-win32-x64-1.53.2.zip



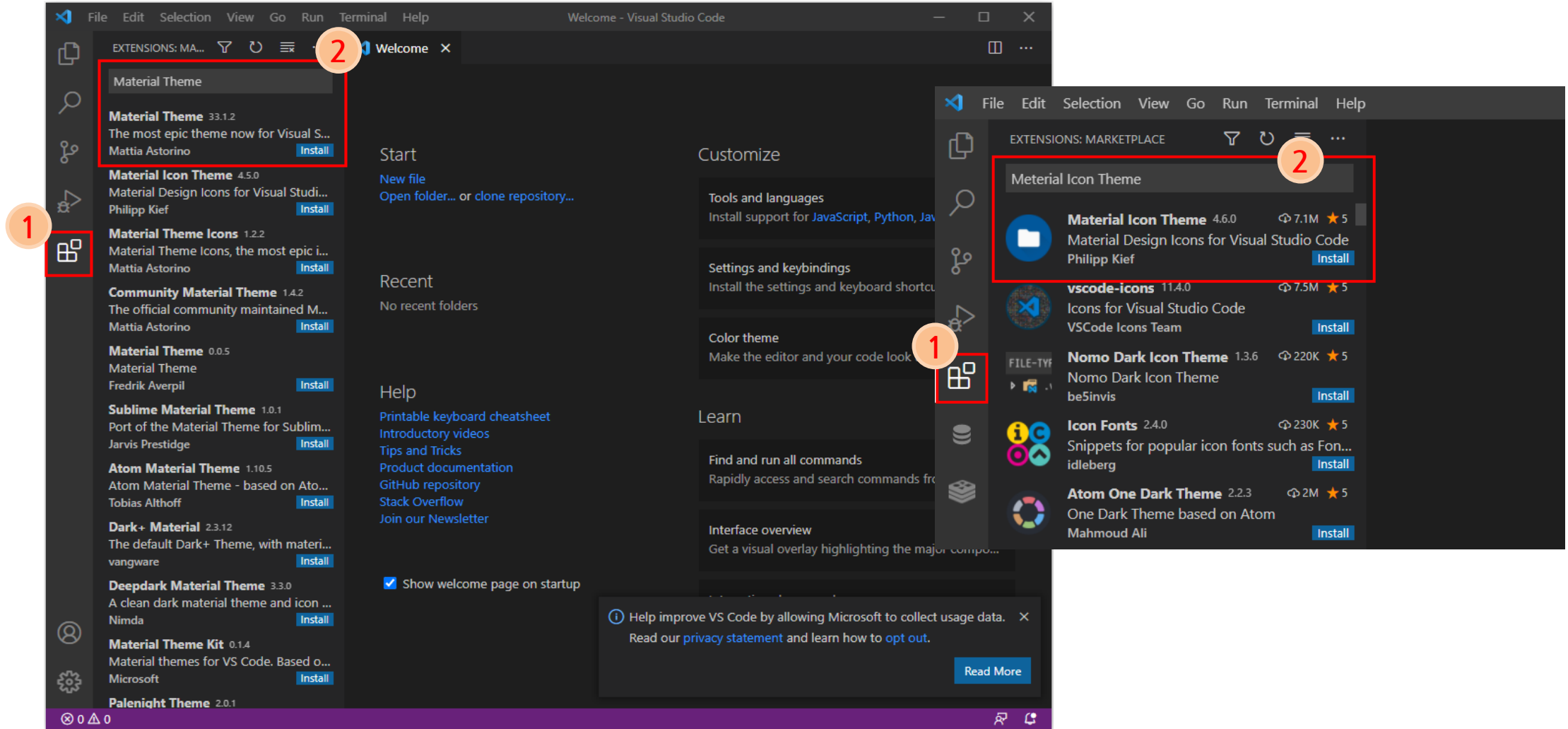
➤ 다운받은 파일을 압축 해제 한 후 **Code.exe**를 실행

- C:\₩VSCode-win32-x64-1.53.2₩code.exe



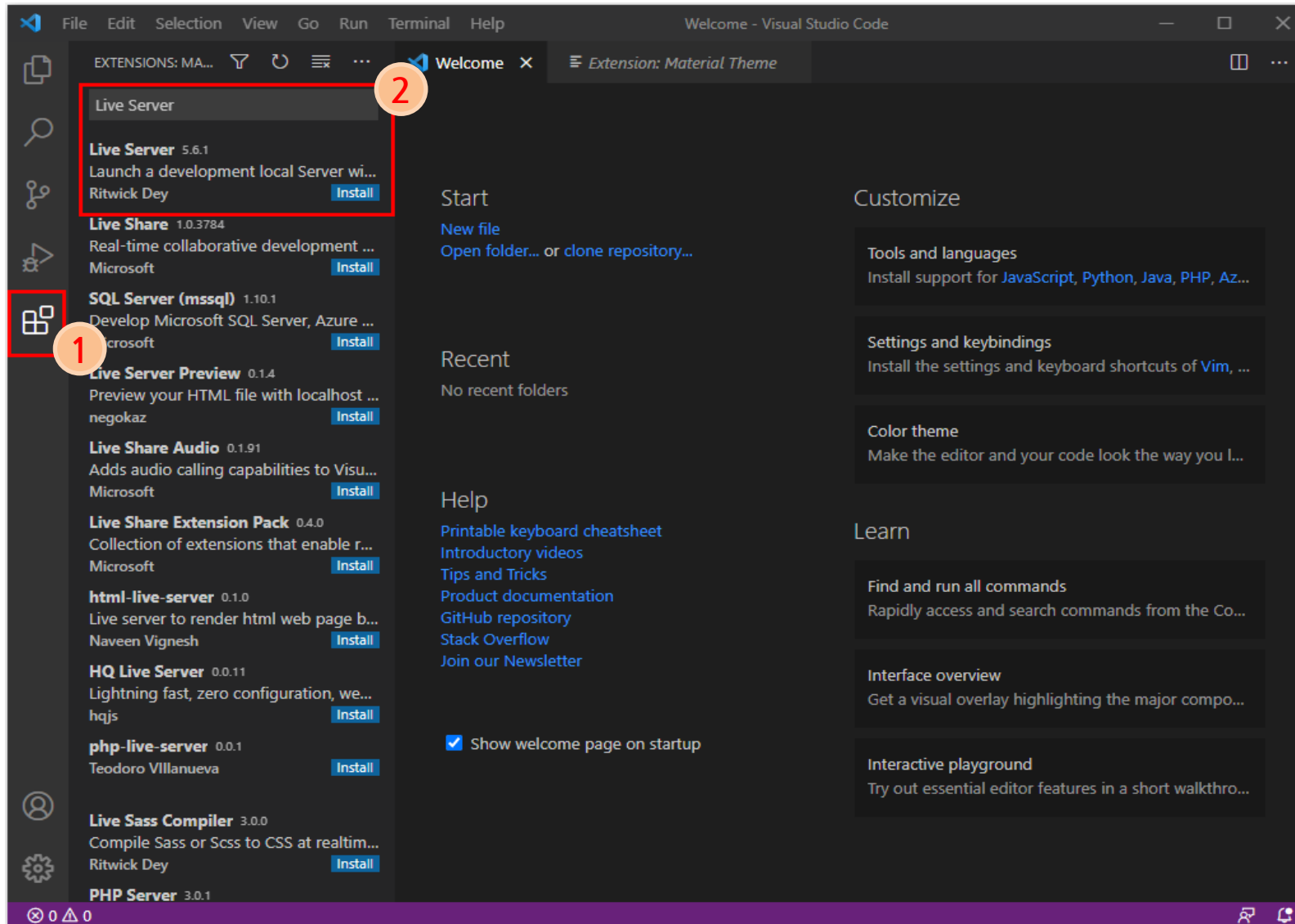
❖ Material Theme (마켓 플레이스: ctrl + shift + x)

- Material Theme Material Theme: 예쁜 VS Code 테마들을 제공한다.
- Material Icon Theme: 폴더 및 파일을 알아보기 쉽게 제공한다.



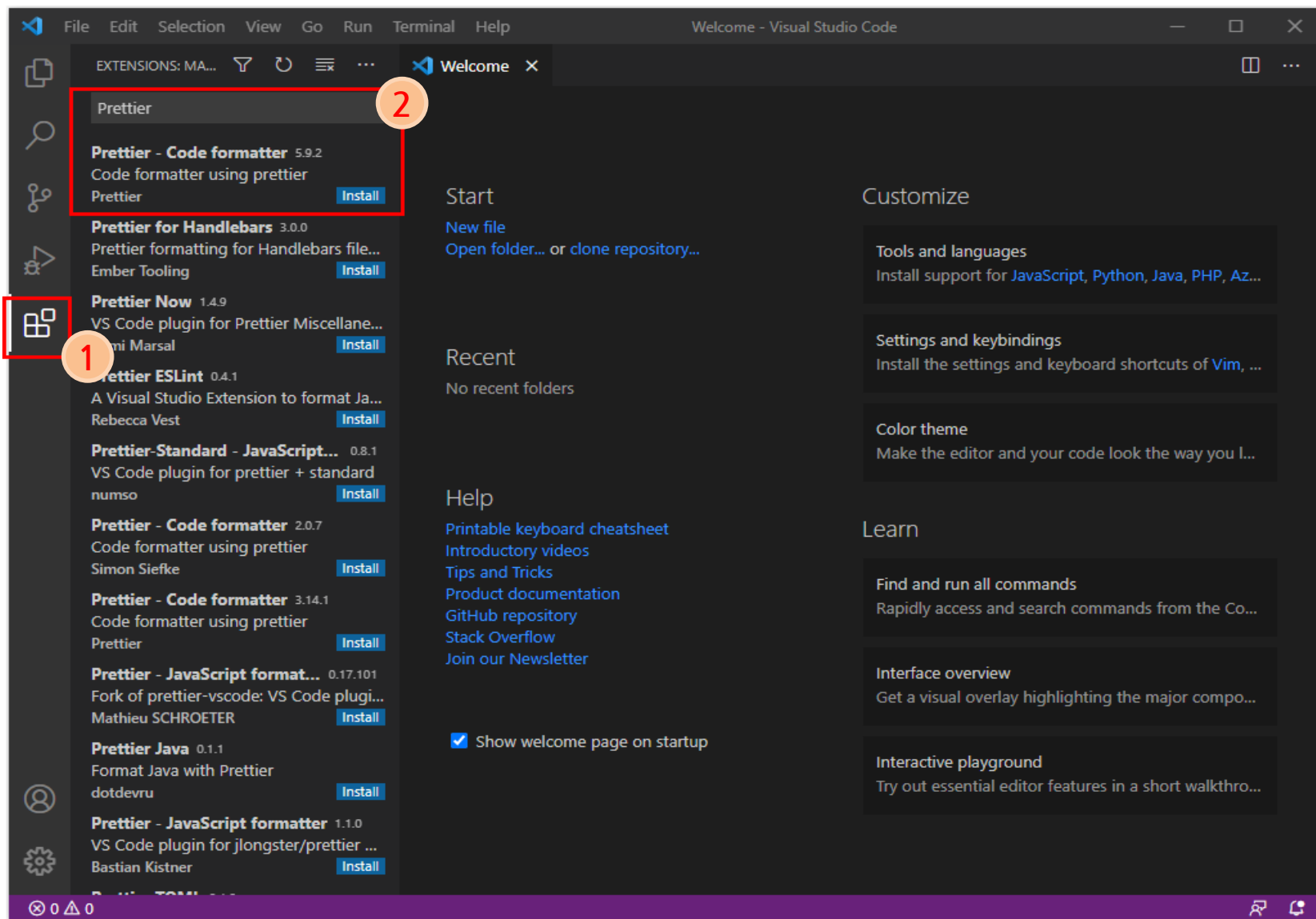
❖ Live Server

- Live Server를 이용하면 파일 수정 후 저장하면 수정된 내용이 바로 저장된다.



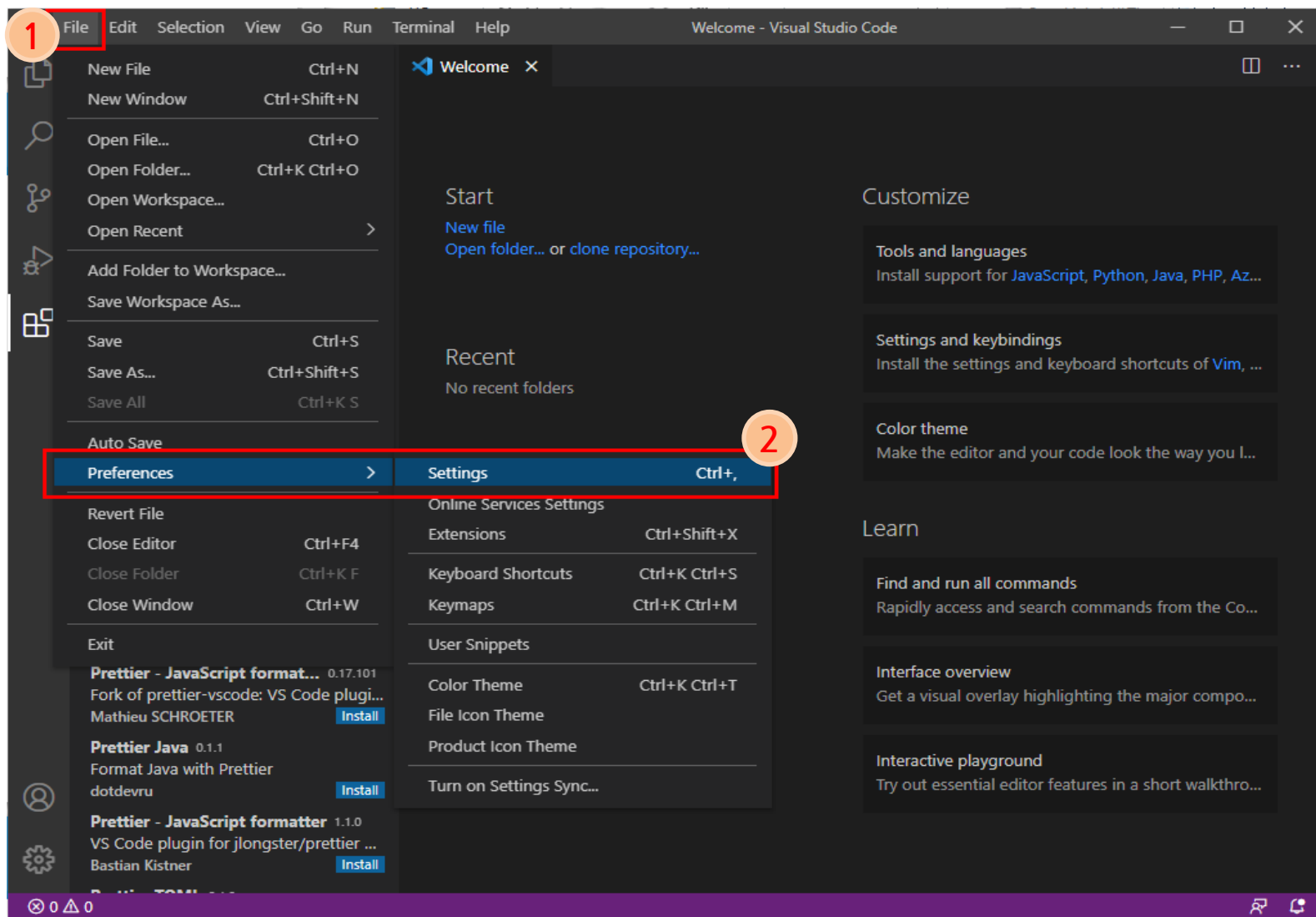
❖ Prettier

- Visual Studio Code Extension 으로 정해진 규칙에 따라 자동으로 코드 스타일을 정리 해주는 도구이다.



❖ Prettier Setting

➤ File → Preferences → Settings 또는 Ctrl + comma(,)



❖ Prettier Setting



Prettier: Tab Width

Number of spaces it should use per tab

2



Prettier: Print Width

Fit code within this line limit

100



JavaScript > Preferences: Quote Style

Preferred quote style to use for quick fixes: **single** quotes, **double** quotes, or **auto** infer quote type from existing imports.

single



Editor: Format On Save



Format a file on save. A formatter must be available, the file must not be saved after delay, and the editor must not be shutting down.



Editor: Format On Type



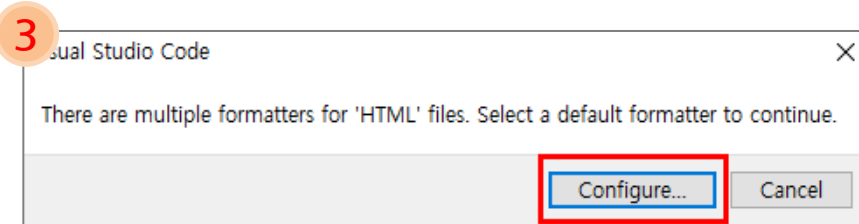
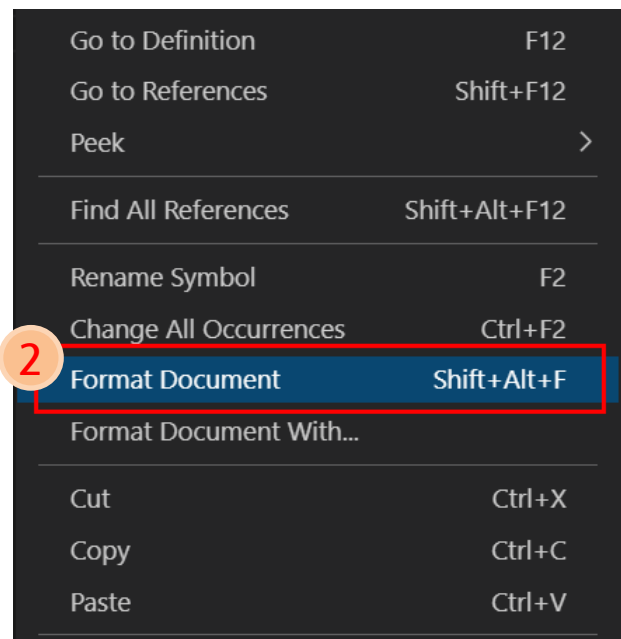
Controls whether the editor should automatically format the line after typing.

❖ 자동 들여쓰기

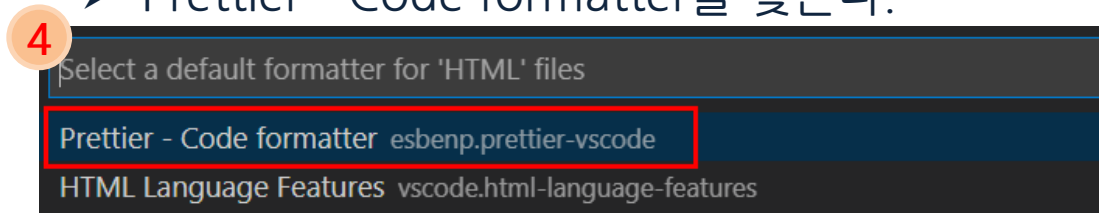
➤ 코드를 입력한다.

1 `<script>`
2 `function divide(x,y){if(x!=0){x/y;}}`
3 `</script>`

➤ 코딩창에서 마우스 오른쪽버튼을 누른다.



➤ Prettier - Code formatter를 찾는다.



5

```
1 <script>
2   function divide(x, y) {
3     if (x != 0) {
4       x / y;
5     }
6   }
7 </script>
8
```

❖ Bracket Pair Colorizer

➤ 괄호에 색상 지정

The screenshot shows the Visual Studio Code interface with the Extensions Marketplace on the left and a code editor on the right. The code editor displays an HTML file named `index.html`.

Step 1: The Extensions Marketplace icon (a square with four smaller squares) is highlighted with a red box and a yellow circle labeled '1'.

Step 2: The search results for 'Bracket Pair Colorizer' are shown. The extension by CoenraadS is highlighted with a red box and a yellow circle labeled '2'. It has a rating of 4.5 stars and 4.6M downloads.

Step 3: The code editor shows the following HTML code:

```

1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="
6      <meta name="viewport" content="width=device
7    <script>
8      function divide(x, y) {
9        if (x != 0) {
10         x / y;
11        }
12      }
13    </script>
14    <title>Document</title>
15  </head>
16  <body></body>
17 </html>
18

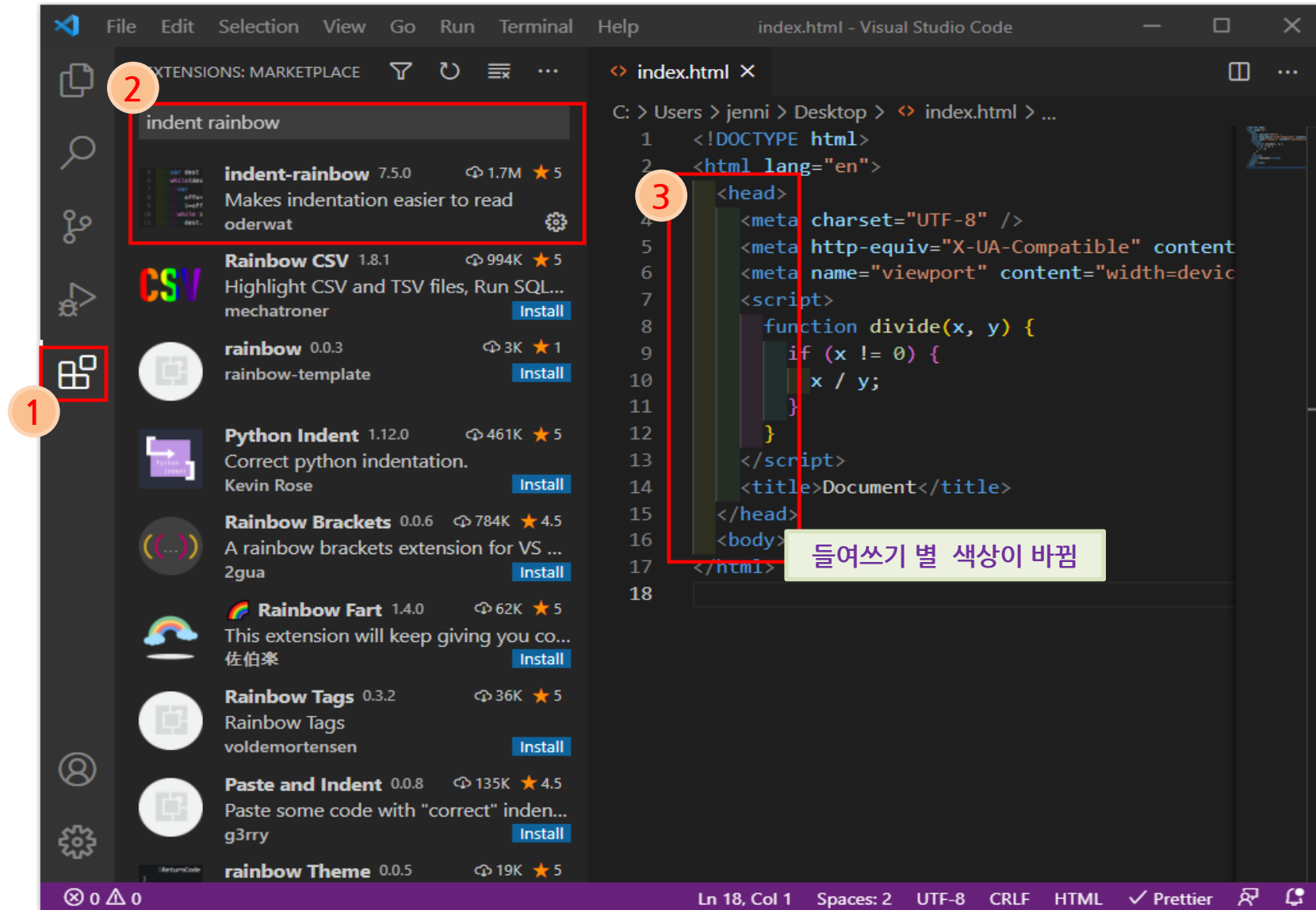
```

The curly braces in the `function divide(x, y) {` line are highlighted with a red box and a yellow circle labeled '3'. A yellow callout box points to them with the text: **{ }의 색상이 바뀜** (The color of { } changes).

The status bar at the bottom shows: Ln 18, Col 1 | Spaces: 2 | UTF-8 | CRLF | HTML | ✓ Prettier.

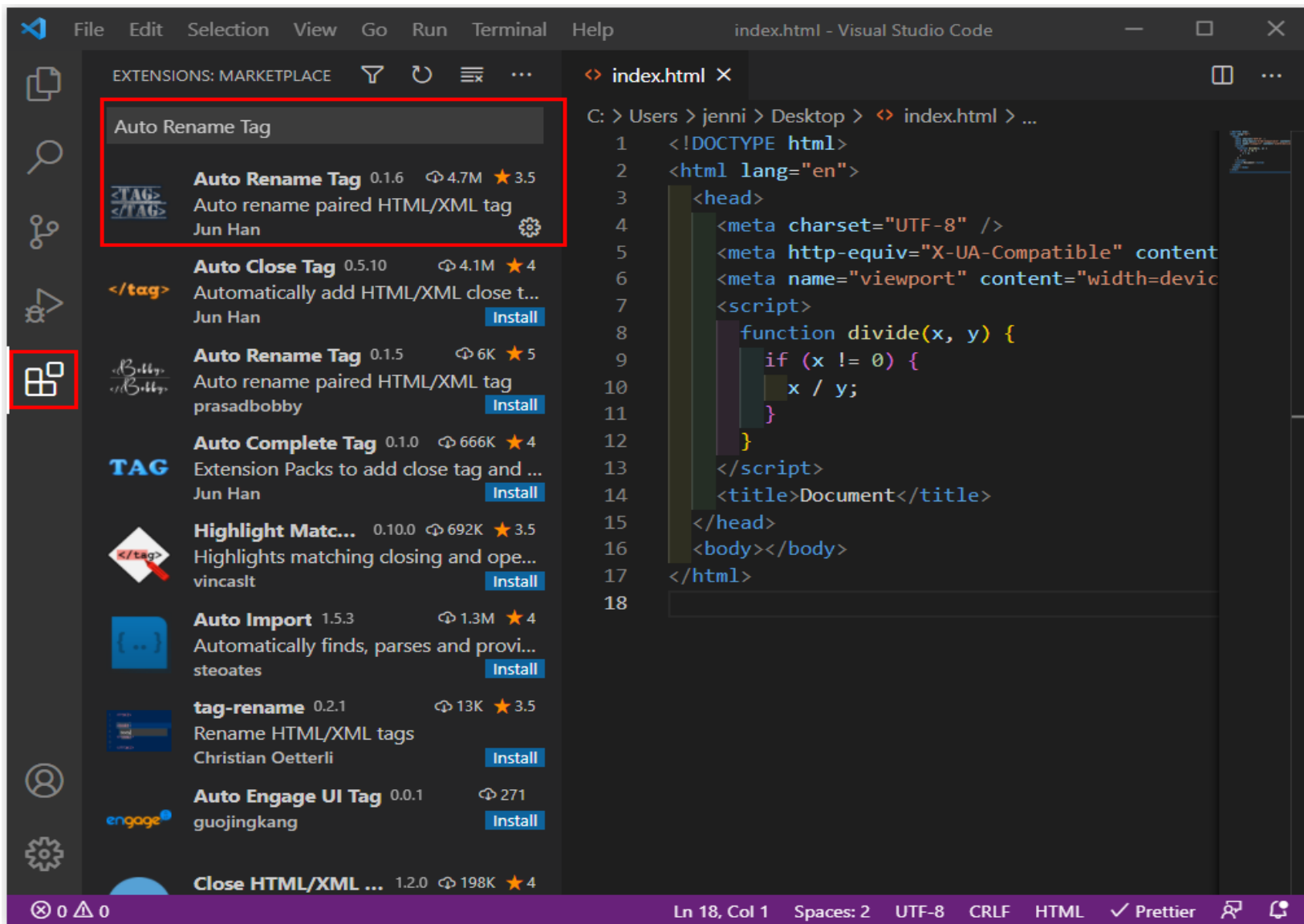
❖ indent rainbow

➤ 들여쓰기 레벨에 따라 색상 지정



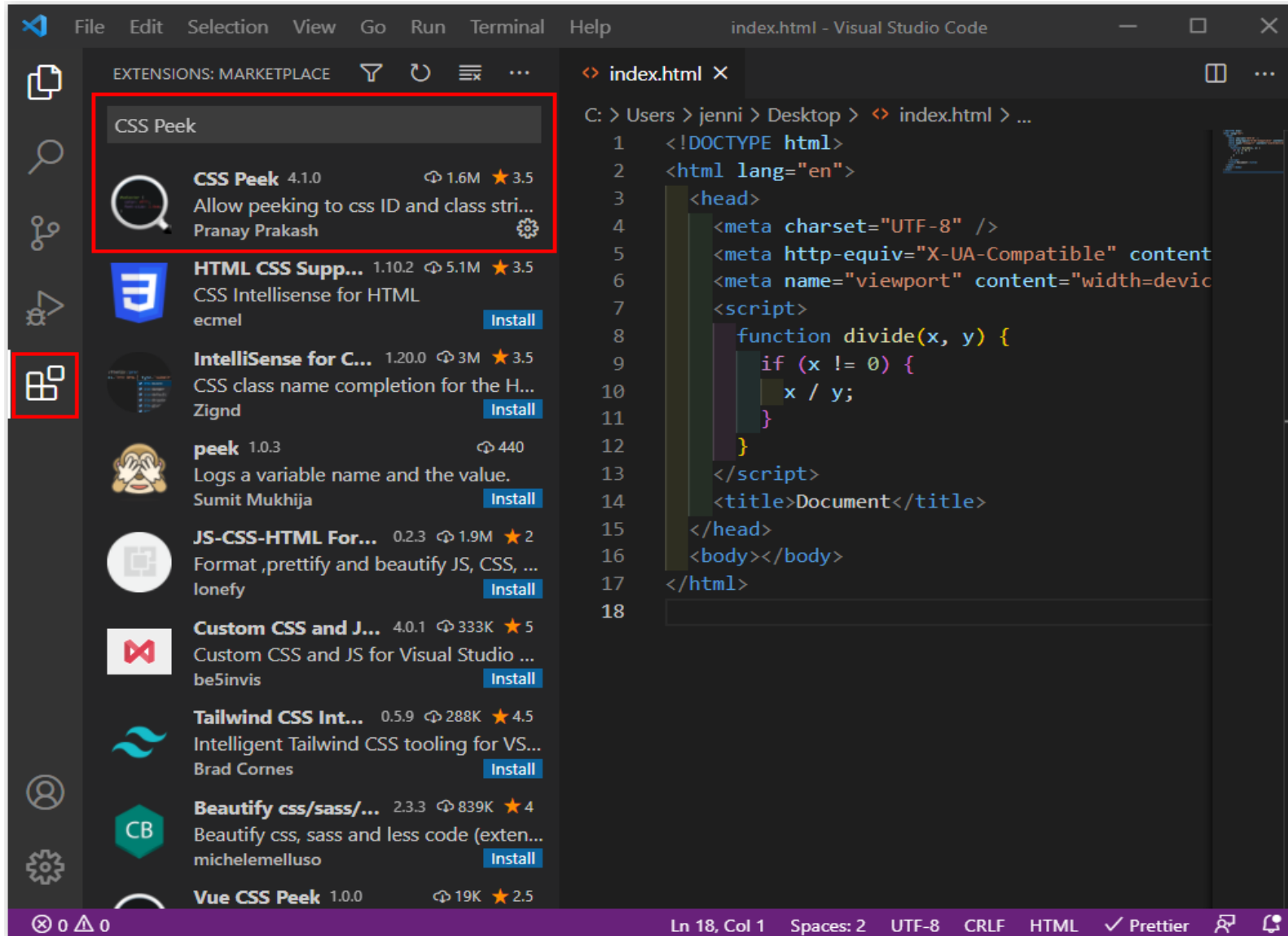
❖ Auto Rename Tag

- 시작 태그의 이름 변경 시 닫는 태그의 이름 자동 변경



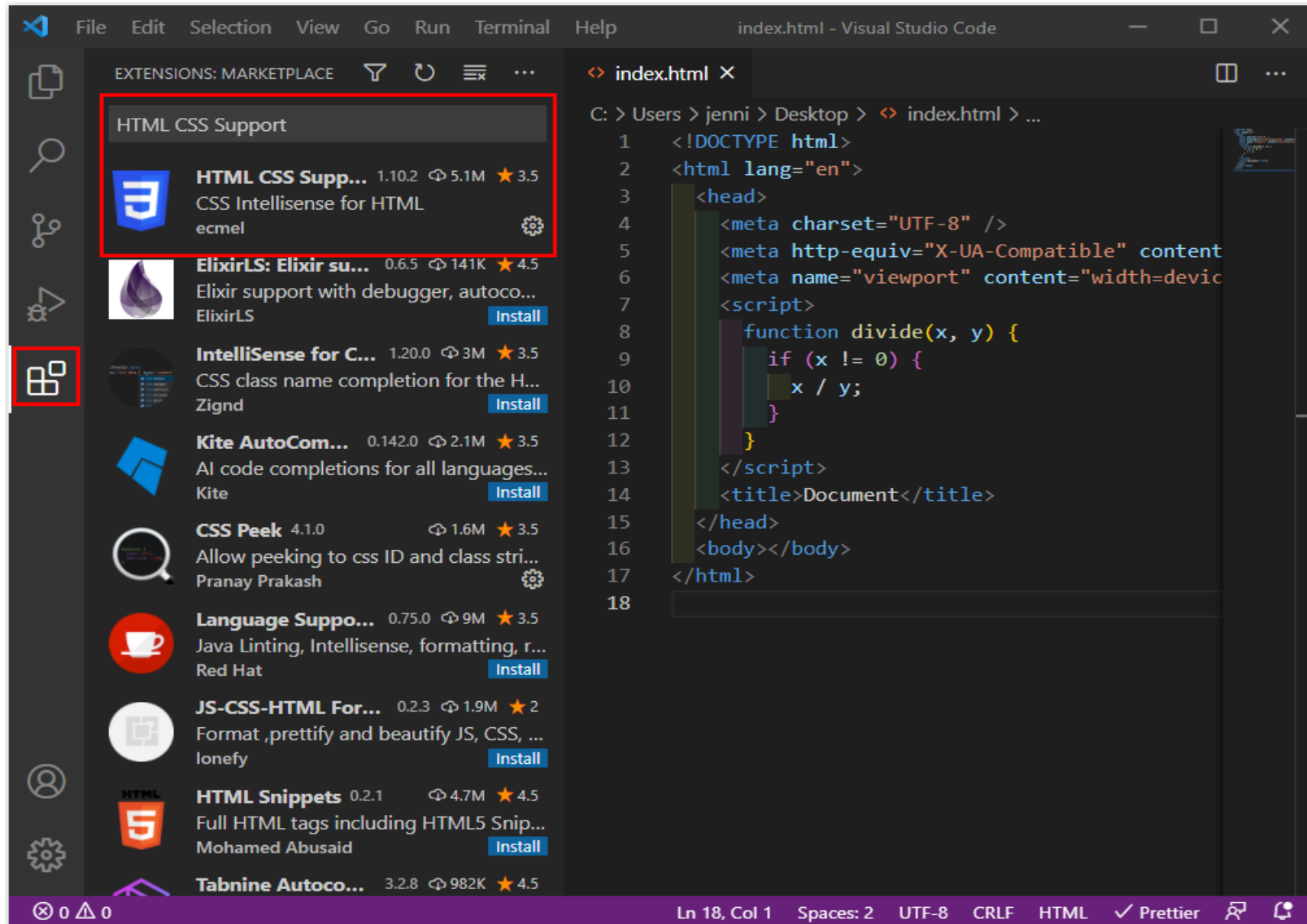
❖ CSS Peek

➤ html에서 css 선택 시 찾기



❖ HTML CSS Support

➤ html에서 css 자동 완성



❖ Emmet

- 강력한 자동완성 기능 등으로 HTML 작성 속도를 크게 향상시켜주는 플러그인이다.
- <https://docs.emmet.io/abbreviations/syntax>

- 문서 템플릿: !
- css: link
- script: script
- 자식: >
- 형제: +
- 부모: ^
- 여러 개: *
- 그룹: ()
- 아이디, 클래스: # , .(dot)
- 문자열: { }
- 넘버링: {\$}*

❖ Emmet

- 문서 템플릿: ! + tab

```
<> index.html X
C: > Users > jenni > Desktop > <> index.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8" />
5      <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6      <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7      <title>Document</title>
8  </head>
9  <body></body>
10 </html>
```

❖ Emmet

➤ css: link

```

1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8" />
5    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7    <title>Document</title>
8    link
9  </head>
10 <body>
11 </html>
12

```

Emmet Abbreviation

- link
- link:atom
- link:css
- link:favicon
- link:im
- link:import
- link:manifest
- link:mf
- link:print
- link:rss
- link:touch

❖ Emmet

- script: **script**

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8" />
5    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7    <title>Document</title>
8    <link rel="stylesheet" href="style.css">
9    sc
10   </he script Emmet Abbreviation
11   <bod script:src
12   </html>
13
```

❖ Emmet

➤ 자식: >

```
<body>
  table>tr>td
</body>
table>tr>td
```



```
<body>
  <table>
    <tr>
      <td></td>
    </tr>
  </table>
</body>
```

➤ 형제: +

```
<body>
  div+p+div
</body>
div+p+div
```



```
<body>
  <div></div>
  <p></p>
  <div></div>
</body>
```

❖ Emmet

➤ 부모: ^

```
<body>
  div>p>h2^p>h3
</body>
```



```
<div>
  <p>
    <h2></h2>
  </p>
  <p>
    <h3></h3>
  </p>
</div>
```

➤ 여러 개: *

```
<body>
  ul>li*5
</body>
```



```
<body>
  <ul>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
    <li></li>
  </ul>
</body>
```

❖ Emmet

➤ 부모: ^

```
<body>
  table>(tr>th*2)>(tr>td*2)*4
</body>
```

🔑 `table>(tr>th*2)>(tr>td*2)*4`



```
<body>
  <table>
    <tr>
      <th></th>
      <th></th>
    </tr>
    <tr>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td></td>
      <td></td>
    </tr>
  </table>
</body>
```

❖ Emmet

➤ 아이디:

```
<body>
  div#app
</body>
```



```
<body>
  <div id="app"></div>
</body>
```

➤ 클래스: .

```
<body>
  ul>li.list_item*3
</body>
```



```
<body>
  <ul>
    <li class="list_item"></li>
    <li class="list_item"></li>
    <li class="list_item"></li>
  </ul>
</body>
```


❖ Emmet

➤ 문자열: { }

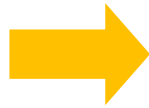
```
<body>
  ul>li{메뉴}*3
</body>
```



```
<body>
  <ul>
    <li>메뉴</li>
    <li>메뉴</li>
    <li>메뉴</li>
  </ul>
</body>
```

➤ 넘버링: {\$}*

```
<body>
  ul>li{메뉴$$$}*3
</body>
```



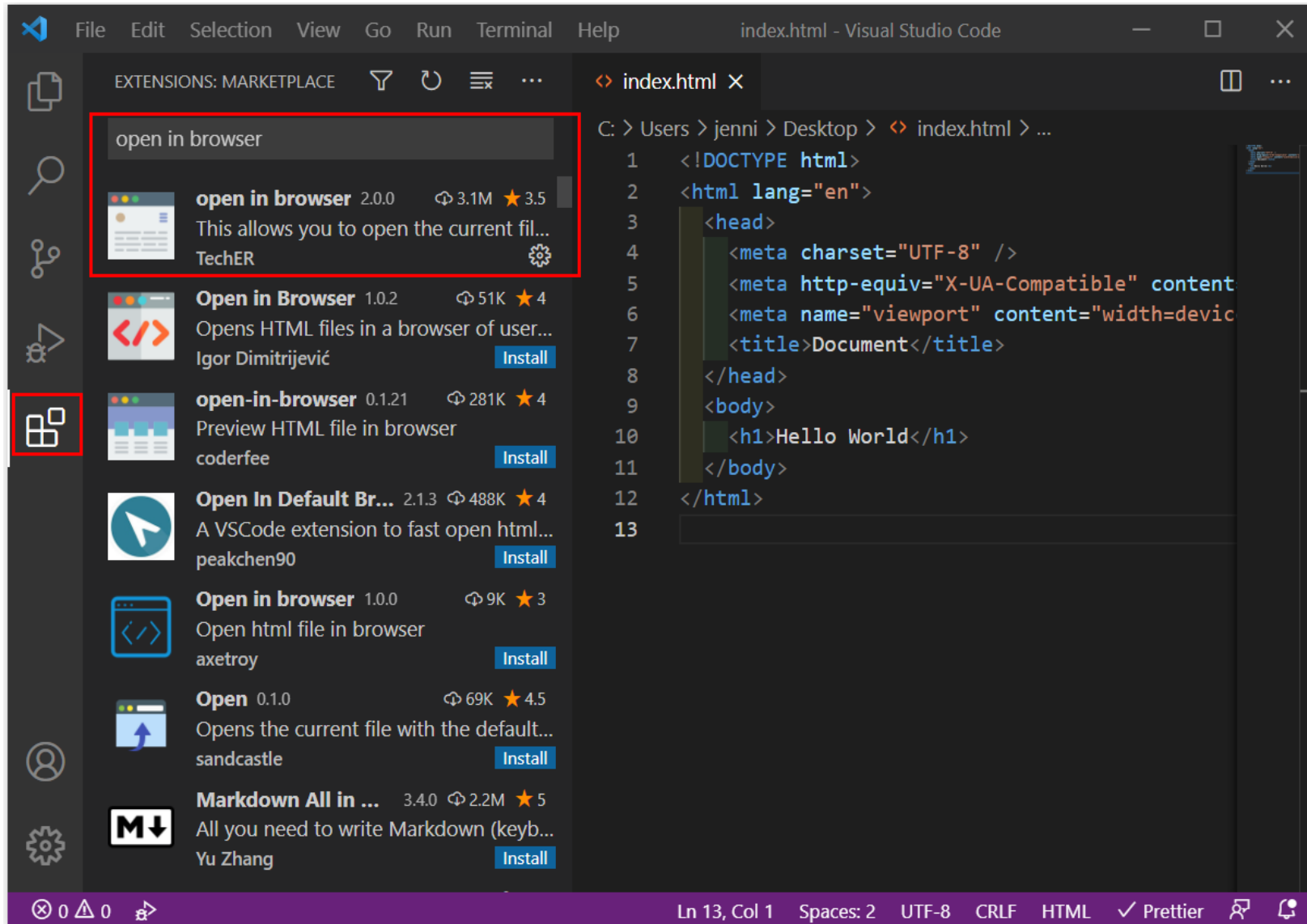
```
<body>
  <ul>
    <li>메뉴001</li>
    <li>메뉴002</li>
    <li>메뉴003</li>
  </ul>
</body>
```

❖ Emmet 기타 자동완성 연습하기

- https://nachwon.github.io/How_to_use_emmet/

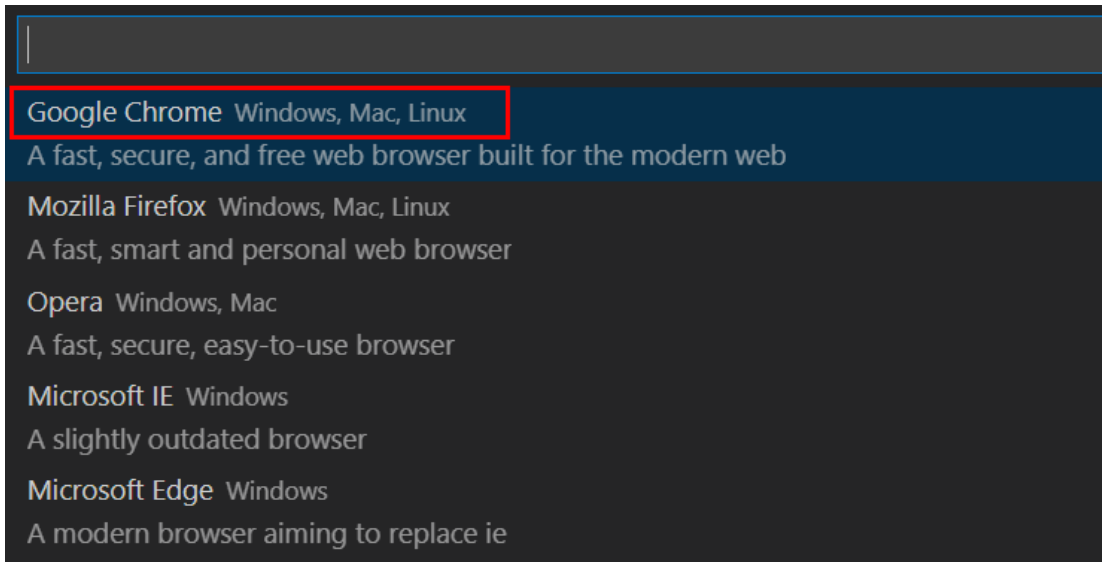
❖ open in browser

➤ 웹 브라우저 실행



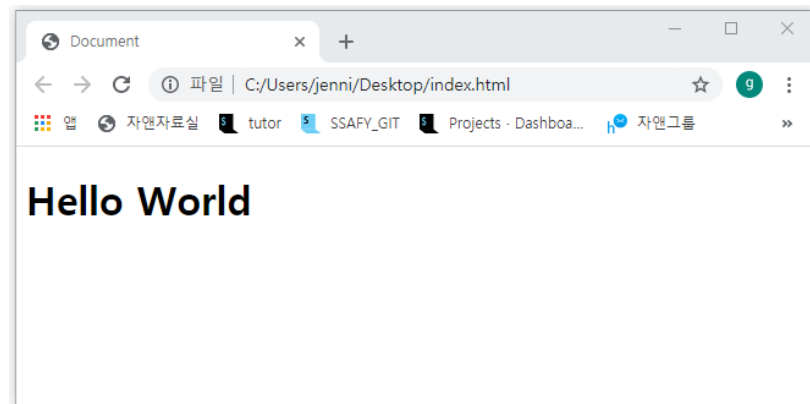
❖ 실행 브라우저 선택

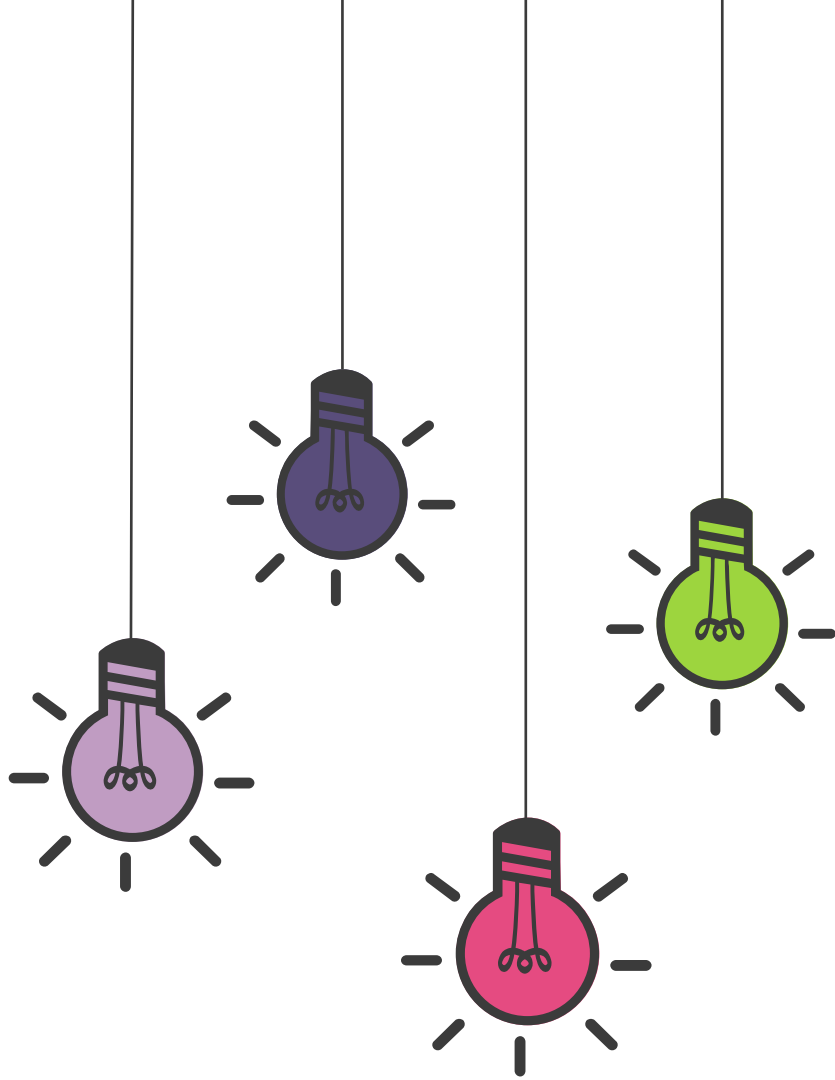
➤ alt + shift + b



❖ 실행

➤ alt + b





감사합니다

THANK YOU FOR WATCHING



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