

# VS code Extensions

2020.08.13

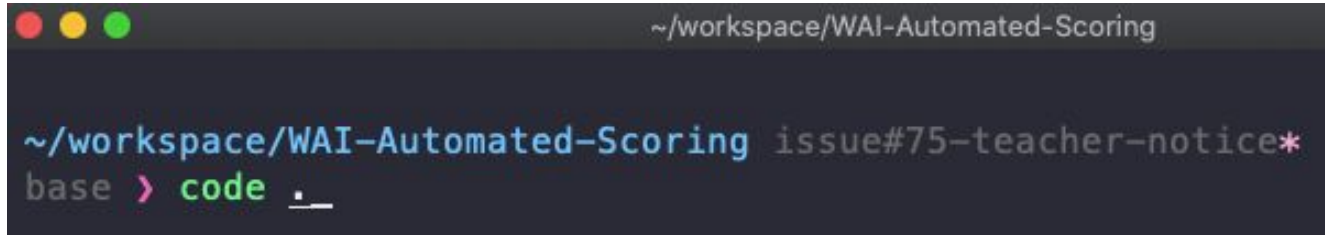
학부생 연구원 이지현

# VS Code Extensions?

- Visual Studio Code의 확장 기능(=플러그인)
- VS code의 마켓플레이스에서 확인
- 다양한 확장 기능으로 좀 더 좋은 개발환경 구축

# Tip

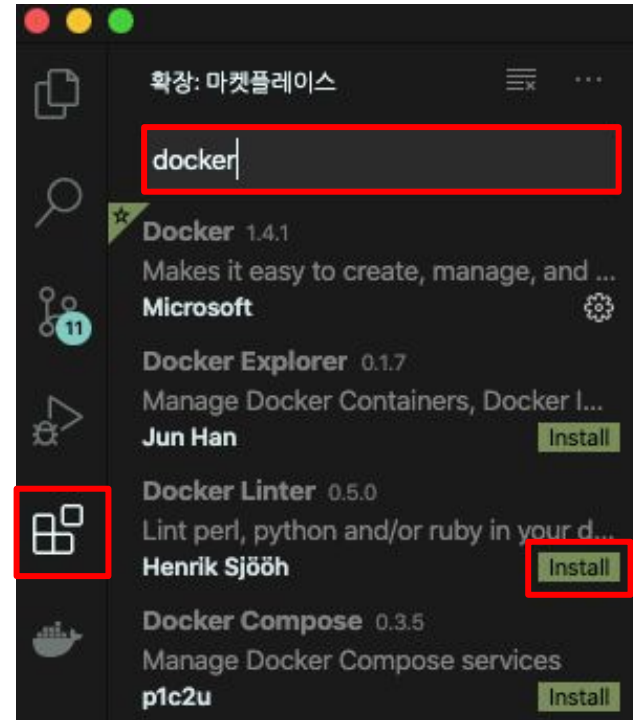
- console 에서 VS code 실행 (현재 directory)



```
~/workspace/WAI-Automated-Scoring  
~/workspace/WAI-Automated-Scoring issue#75-teacher-notice*  
base > code .
```

# VS code Marketplace

- 수많은 Extension 포함
- Extension 검색
- 원하는 기능 Install



# Material Theme

Material Theme  
Material Theme Darker  
**Material Theme Darker High Contrast**  
Material Theme High Contrast  
Material Theme Ocean  
Material Theme Ocean High Contrast  
Material Theme Palenight  
Material Theme Palenight High Contrast

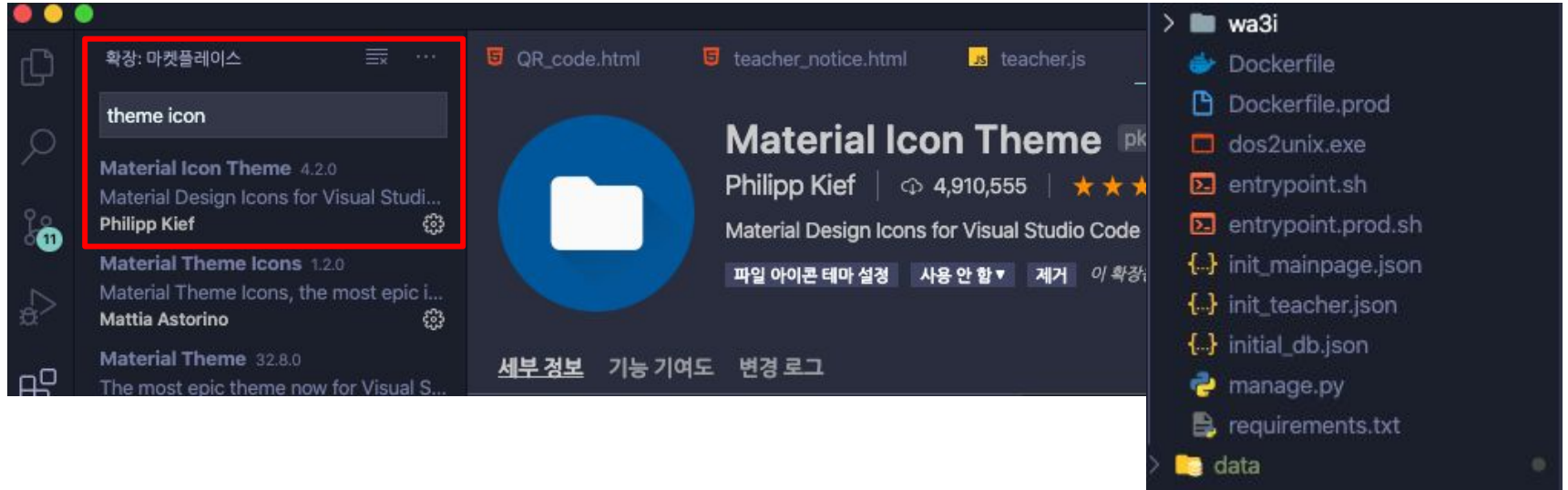
[ 기본 테마 ]

```
$(document).ready(function () {
    $('#copy').click(function () {
        var copy_code = prompt("복사할 시험지의 코드를 입력해 주세요.");
        $.ajax({
            url: '/teacher/assignment_copy/',
            data: { copy_code: copy_code },
            success: function (data) {
                var copy_data = data.copy_data;
                var num = copy_data.length;
                if (num == 0) {
                    if (copy_code) {
                        alert('시험지가 존재하지 않습니다. 코드를 다시 확인해 주세요.');
                    }
                } else {
                    for (var i = 0; i < num; i++) {
                        var assignment_type = copy_data[i].assignment_type;
                        var assignment_title = copy_data[i].assignment_title;
                        var question_id = copy_data[i].question_id;
                        $('#evaluation_type').val(assignment_type).prop("selected", true);
                        $('#as_name').val(assignment_title);
                        $('#input:checkbox[id=' + question_id + ']').prop("checked", true);
                        $('#' + copy_data[i].question_id).addClass("checked");
                    }
                }
            }
        })
    })
})
```

[ Material theme ]

```
$(document).ready(function () {
    $('#copy').click(function () {
        var copy_code = prompt("복사할 시험지의 코드를 입력해 주세요.");
        $.ajax({
            url: '/teacher/assignment_copy/',
            data: { copy_code: copy_code },
            success: function (data) {
                var copy_data = data.copy_data;
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                if (num == 0) {
                    if (copy_code) {
                        alert('시험지가 존재하지 않습니다. 코드를 다시 확인해 주세요.');
                    }
                } else {
                    for (var i = 0; i < num; i++) {
                        var assignment_type = copy_data[i].assignment_type;
                        var assignment_title = copy_data[i].assignment_title;
                        var question_id = copy_data[i].question_id;
                        $('#evaluation_type').val(assignment_type).prop("selected", true);
                        $('#as_name').val(assignment_title);
                        $('#input:checkbox[id=' + question_id + ']').prop("checked", true);
                        $('#' + copy_data[i].question_id).addClass("checked");
                    }
                }
            }
        })
    })
})
```

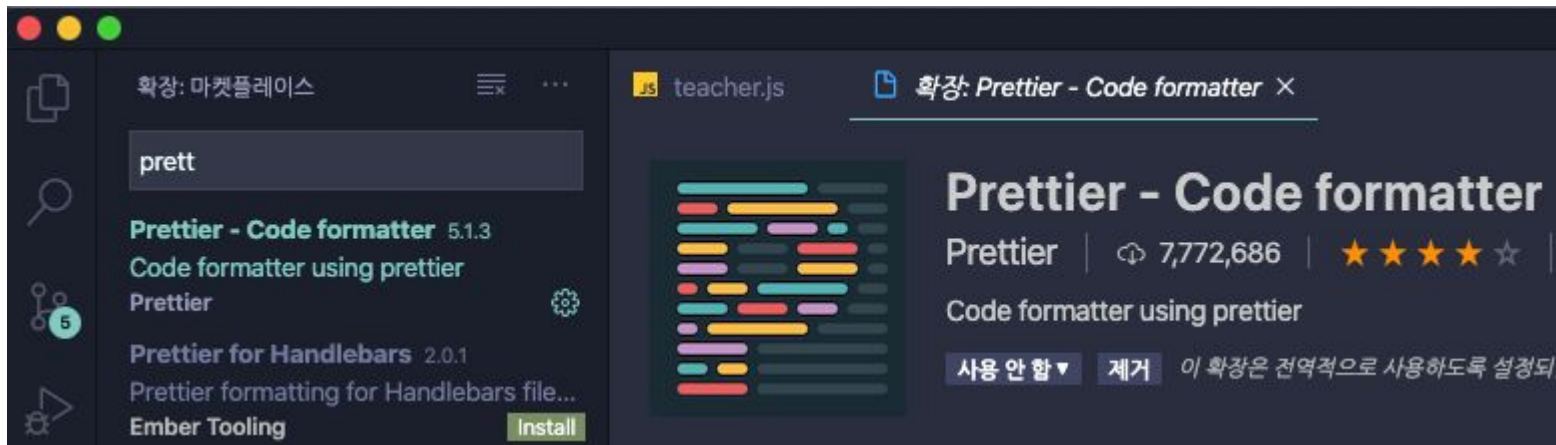
# Material Icon Theme



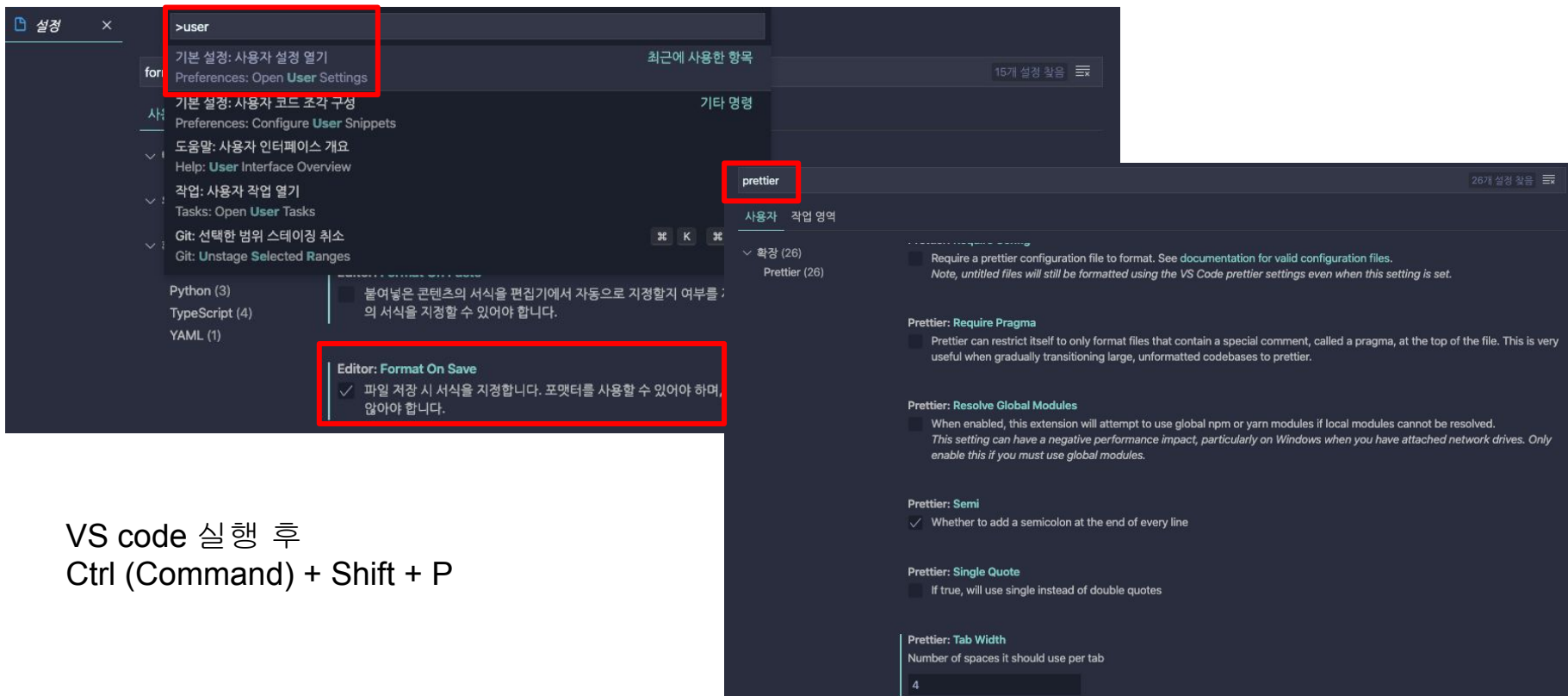
# Prettier - Code formatter

- 저장 시 정해진 규칙에 따라 강제적으로 정렬
- JS, Vue, CSS, HTML, Mark down, YAML, JSON 등

지원



# Prettier - Code formatter





# Prettier - Code formatter

```
$(document).ready(function () {
  $('.qr-button').on('click', (e) => {
    var question_name = e.target.value;
    alert(question_name);
    $.ajax({
      url: '/teacher/change_qr_code/',
      data: { question_name: question_name },
      success: function (data) {
        var question_data = data.question_data; var num = question_data.length;

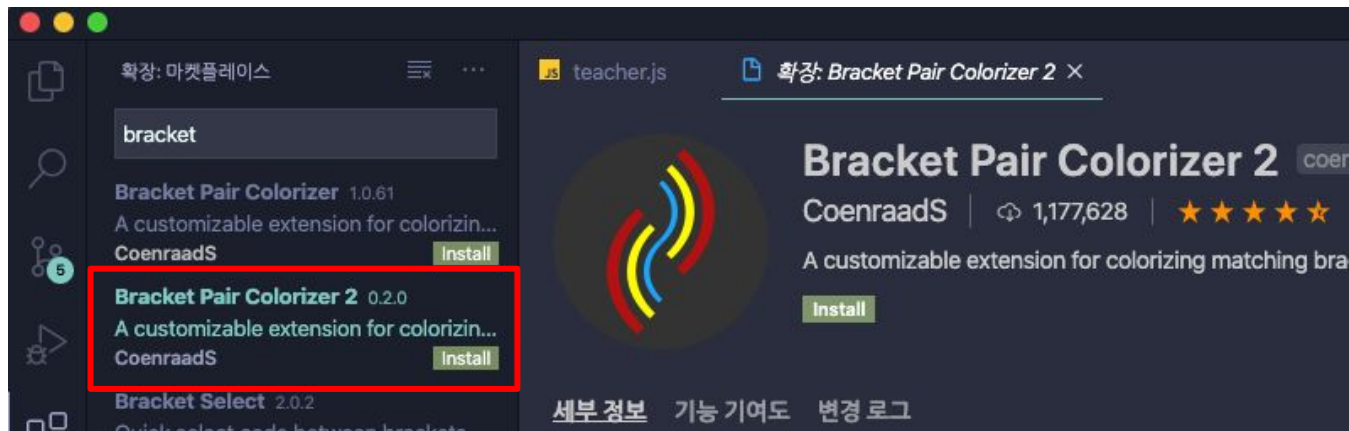
        $('#QR_code_img').remove();
        for (var i = 0; i < num; i++) {
          $('#img_space').append(
            ''
          );
        }
      }
    });
  });
});
```

```
$(document).ready(function () {
  $(".qr-button").on("click", (e) => {
    var question_name = e.target.value;
    alert(question_name);
    $.ajax({
      url: "/teacher/change_qr_code/",
      data: { question_name: question_name },
      success: function (data) {
        var question_data = data.question_data;
        var num = question_data.length;

        $("#QR_code_img").remove();
        for (var i = 0; i < num; i++) {
          $("#img_space").append(
            ''
          );
        }
      }
    });
  });
});
```

# Bracket Pair Colorizer 2

- 하나의 괄호끼리 다른 색깔을 부여
- 2는 정확성과 속도 향상된 버전



# Bracket Pair Colorizer 2

```
$(document).ready(function () {  
    $(".qr-button").on("click", (e) => {  
        var question_name = e.target.value;  
        alert(question_name);  
        $.ajax({  
            url: "/teacher/change_qr_code/",  
            data: { question_name: question_name },  
            success: function (data) {  
                var question_data = data.question_data;  
                var num = question_data.length;  
  
                $("#QR_code_img").remove();  
                for (var i = 0; i < num; i++) {  
                    $("#img_space").append(  
                        ''  
                    );  
                }  
            }  
        });  
    });  
});
```

```
$(document).ready(function () {  
    $(".qr-button").on("click", (e) => {  
        var question_name = e.target.value;  
        alert(question_name);  
        $.ajax({  
            url: "/teacher/change_qr_code/",  
            data: { question_name: question_name },  
            success: function (data) {  
                var question_data = data.question_data;  
                var num = question_data.length;  
                $("#QR_code_img").remove();  
                for (var i = 0; i < num; i++) {  
                    $("#img_space").append(  
                        ''  
                    );  
                }  
            },  
        });  
    });  
});
```

# indent-rainbow

- 들여쓰기마다 색깔 부여

```
$(document).ready(function () {  
  $(".qr-button").on("click", (e) => {  
    var question_name = e.target.value;  
    alert(question_name);  
    $.ajax({  
      url: "/teacher/change_qr_code/",  
      data: { question_name: question_name },  
      success: function (data) {  
        var question_data = data.question_data;  
        var num = question_data.length;  
        $("#QR_code_img").remove();  
        for (var i = 0; i < num; i++) {  
          $("#img_space").append(  
            ''  
          );  
        }  
      }  
    });  
  });  
});
```

# Auto Rename Tag

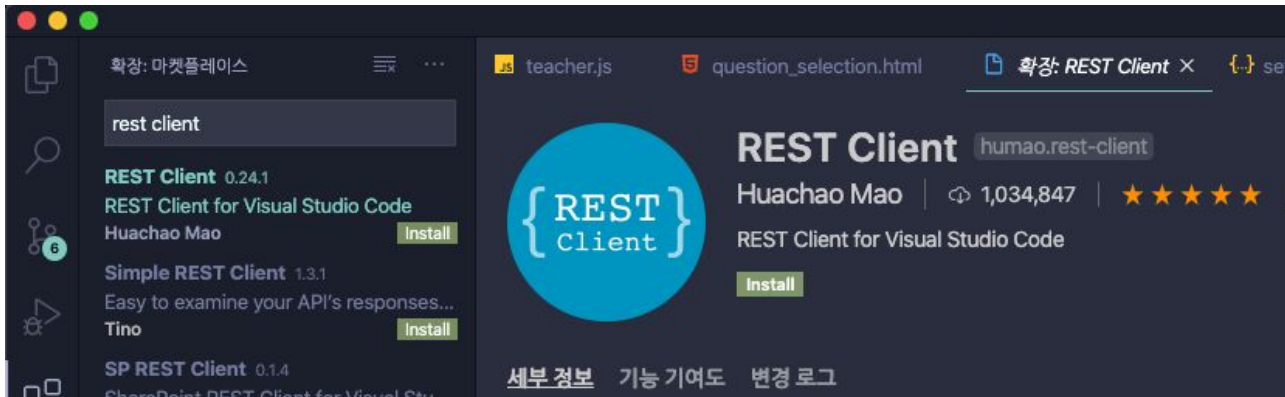
- HTML Tag 를 변경 시 열거나 닫는 Tag 도 자동으로

변경

```
<div id="question_list" class="row">
  {% for data in question_data %}
  <div class="col-md-3 mb-5">
    <div class="card h-100" align="center">
      <div class="card-body">
        
      </div>
      <span id="{{ data.question_id }}" class="card-footer ctm-check">
        <input type="checkbox" id="{{ data.question_id }}" name="question"
          value="{{ data.question_id }}">
        <label for="{{ data.question_id }}"><i>{{ data.question_name }}</i></label>
      </span>
    </div>
  </div>
</div>
```

# REST Client

- REST api 호출에 대한 결과 response 를 표시
- .http 형식으로 파일을 생성하여 사용
- api 호출 하나씩 #### 으로 구분



# REST Client

The screenshot displays the REST Client interface with a dark theme. On the left, the 'test.http' tab is active, showing a POST request to `https://jsonplaceholder.typicode.com/posts` with a JSON body. The 'Send Request' button is highlighted with a red box. The JSON body is also highlighted with a red box. On the right, the 'Response(632ms)' tab is active, showing the HTTP response details. The response status is 201 Created. The response body is a JSON object with 'title', 'body', and 'id' fields. The response body is highlighted with a red box.

```
test.http ×
media > test.http > POST /posts

Send Request
1 GET https://jsonplaceholder.typicode.com/posts
2
3 ###
4
5 Send Request
6 POST https://jsonplaceholder.typicode.com/posts
7 Content-Type: application/json
8 {
9   "title": "New Post",
10  "body": "This is a new post."
11 }

Response(632ms) ×
1 HTTP/1.1 201 Created
2 Date: Wed, 12 Aug 2020 09:05:59 GMT
3 Content-Type: application/json; charset=utf-8
4 Content-Length: 71
5 Connection: close
6 Set-Cookie: __cfduid=d02926a8d41fc7a611b564377c367ce6115
7 09:05:59 GMT; path=/; domain=.typicode.com; HttpOnly; S
8 X-Powered-By: Express
9 X-Ratelimit-Limit: 1000
10 X-Ratelimit-Remaining: 999
11 X-Ratelimit-Reset: 1597223179
12 Vary: Origin, X-HTTP-Method-Override, Accept-Encoding
13 Access-Control-Allow-Credentials: true
14 Cache-Control: no-cache
15 Pragma: no-cache
16 Expires: -1
17 Access-Control-Expose-Headers: Location
18 Location: http://jsonplaceholder.typicode.com/posts/101
19 X-Content-Type-Options: nosniff
20 Etag: W/"47-zoPxSdHcNSv8R4ArTOiKAvGnJ4"
21 Via: 1.1 vegur
22 CF-Cache-Status: DYNAMIC
23 cf-request-id: 0483845eaa0000e7fd0396b200000001
24 Expect-CT: max-age=604800, report-uri="https://report-uri
25 xpect-ct"
26 Server: cloudflare
27 CF-RAY: 5c1909aaaae42e7fd-LAX
28 {
29   "title": "New Post",
30   "body": "This is a new post.",
31   "id": 101
```



# CSS Peek

- Ctrl + Shift + F12 : css 파일을 불러와 바로 편집이 가능
- F12 : 선택한 id 나 class가 있는 CSS 파일로 이동
- Ctrl + hover : 선택한 id 나 class 의 style code를 보여줌

```
81 <input id="topic_count" class="topic-count-input" type="text" name="topic-count" maxlength="2"

teacher.css ~/workspace/WAI-Automated-Scoring/app/teacher/static/teacher/css - 정의(2)
margin-right: 20px;
color: gray;
}
}
.section-center {
float: none;
margin: 0 auto;
}
}
.topic-count-input {
border: 1px solid gray;
width: 250px;
height: 44px;
text-align: center;
margin-right: 20px;
margin: 50px 10px 50px 50px;
}

> teacher.css WAI-Automated-Scoring/app/staticfiles/teacher/css 1
teacher.css WAI-Automated-Scoring/app/teacher/static/teacher/css 1
.topic-count-input { border: 1px solid gray; width: 250px; height: 44px;

son connection.html x controllers.js launch.js
18 <span class="comment" style="float: right; padding-left: 0px; text-right"><
19 <span class="comment" style="float: right; padding-top: 20px; text-right"><
20 </div>
21 </div>
22 </div>
23 <div class="comment" style="float: right; padding-left: 0px; text-right"><
24 <p>{{comment.text}}</p>
25 </div>
26 <div class="comment" style="float: right; padding-left: 0px; text-right"><
27 <ul class="comments">
28 <li class="comment" ng-repeat="comment in postS
29 
31 <p>{{comment.text}}</p>
32 <span><a class="hand" ng-click="openUserInf
33 </div>
```



# HTML CSS Support

- CSS 파일에서 정의한 class 명을 HTML 파일에서 출력

```
<div class="col-lg-3 sct-center">
  <button type="button" class="w3-button w3-large w3-round w3-blue" id="copy">
    기존 시험지 복사하기
  </button>
</div>
```

.test-b

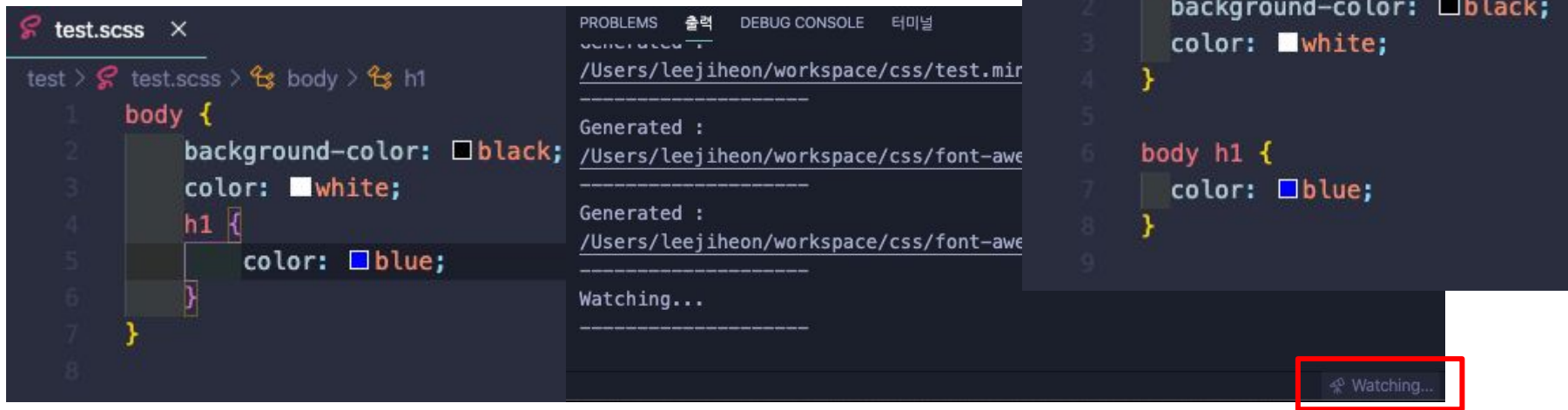
🔑 .test-b Emmet Abbreviation

<div cl👉 test-btn

```
359 | .test-btn {
360 |   color: blue;
361 |   margin: 0 50 25 38;
362 |   border-style: dashed;
363 | }
```

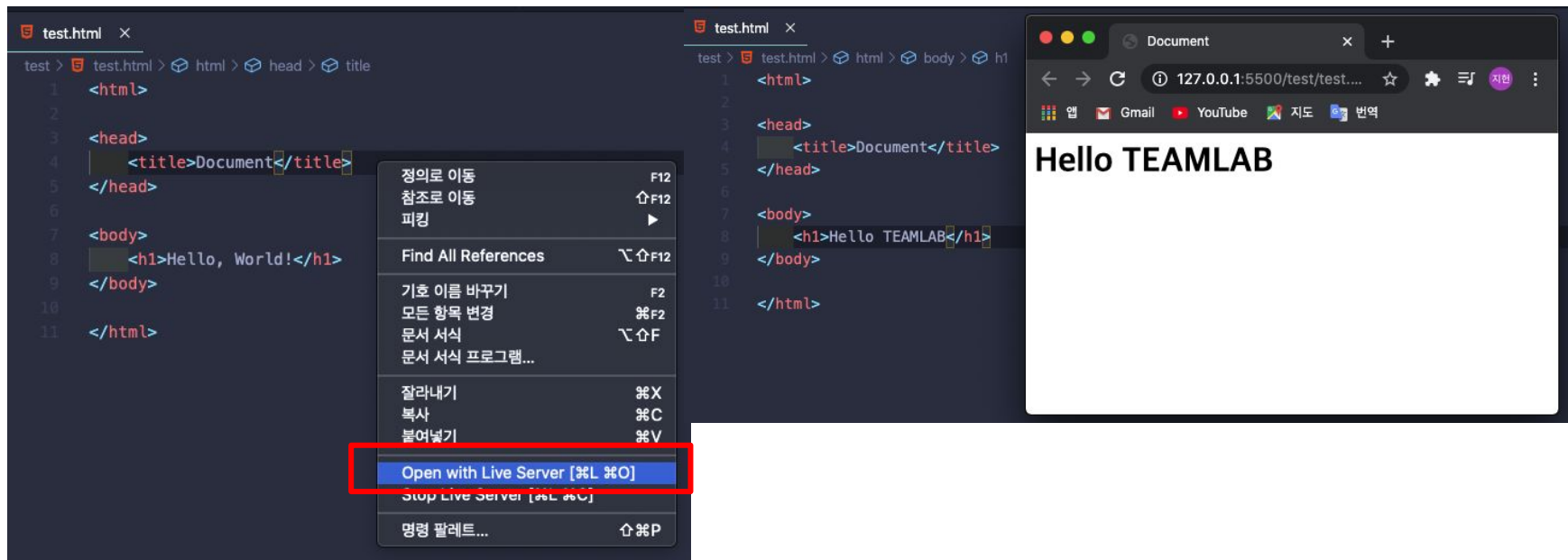
# Live Sass Compiler

- SASS는 CSS의 단점을 보완한 확장형 (확장자=.scss)
- 하지만 사용하기 위해선 컴파일 작업이 필요



# Live Server

- 파일을 수정하여 저장 시 새로고침 없이 수정사항 확인 가능



# Emmet

- Emmet 은 내장되어 있어 확장 install 필요 X

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Document</title>
7 </head>
8 <body>
9   <h1></h1>
10
11   <ul>
12     <li></li>
13     <li></li>
14     <li></li>
15     <li></li>
16   </ul>
17
18 </body>
19 </html>
```

```
1 !
  ! Emmet Abbreviation
  !!!
```

```
<body>
  h1
</body> h1 Emmet Abbreviation
```

```
ul>li*4
  ul>li*4 Emmet Abbreviation
```

# 출처

- YouTube : Top 10 Best VS Code Extensions (2020)

[https://www.youtube.com/watch?v=c5GAS\\_PMXDs](https://www.youtube.com/watch?v=c5GAS_PMXDs)

감사합니다