



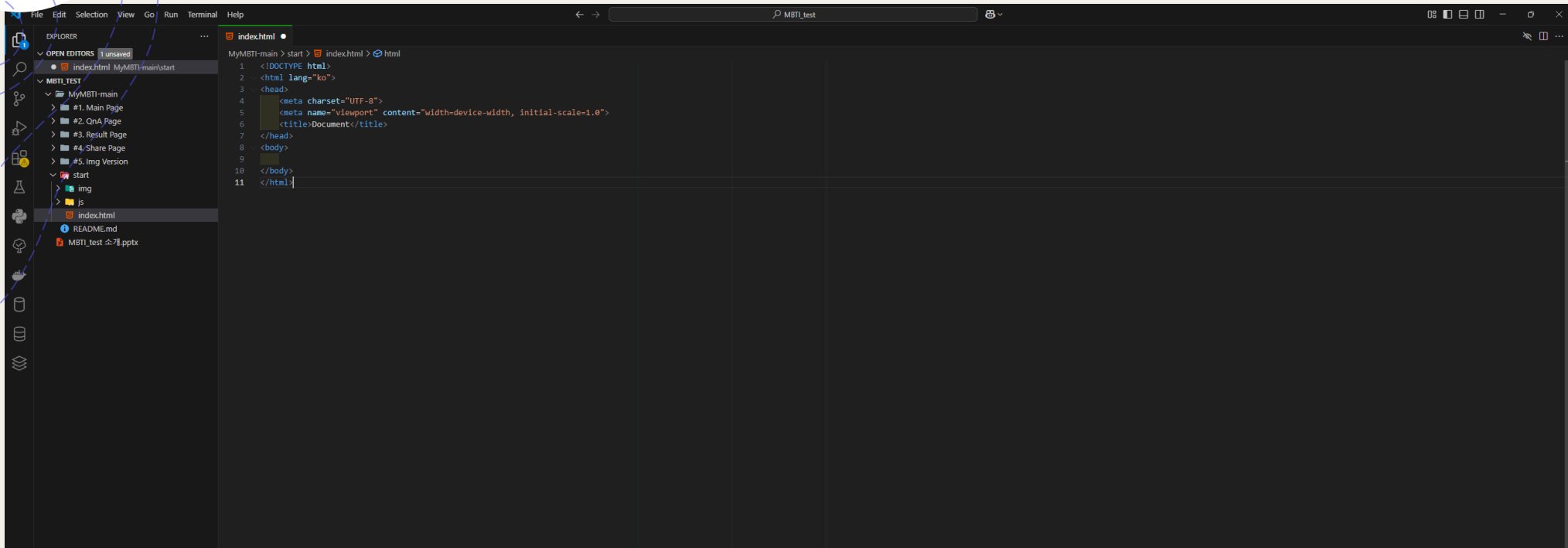
동물을 활용한 MBTI

+
기술 스택: 웹 표준

개발 환경

+ Visual Studio Code

+ Copilot



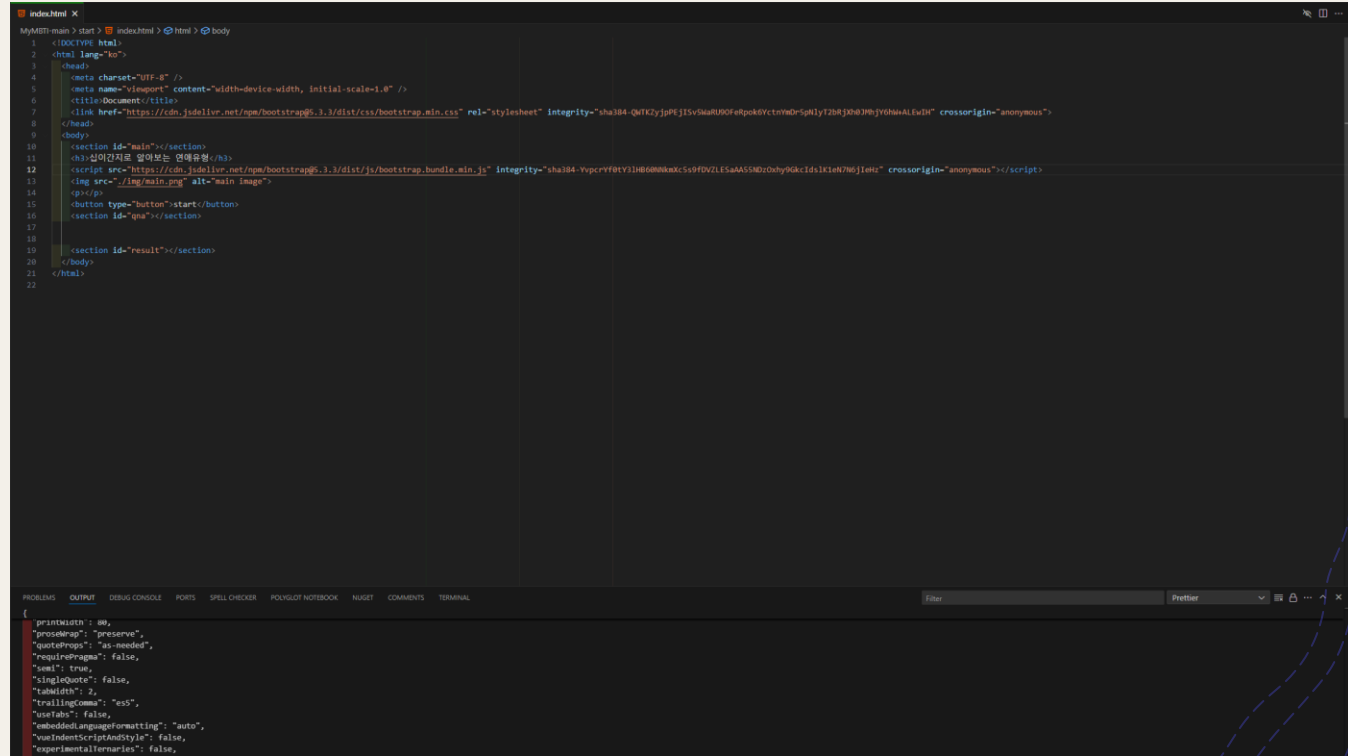
기본 틀 잡기 (Layout)

- + Main page
- + QnA page
- + Result Page
- + Share Page
- + Img Version

Boot_Strap을 활용한 반응형 웹

```
<link  
  href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"  
  rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT  
  2bRjXh0JMhY6hW+ALEwIH"  
  crossorigin="anonymous">
```

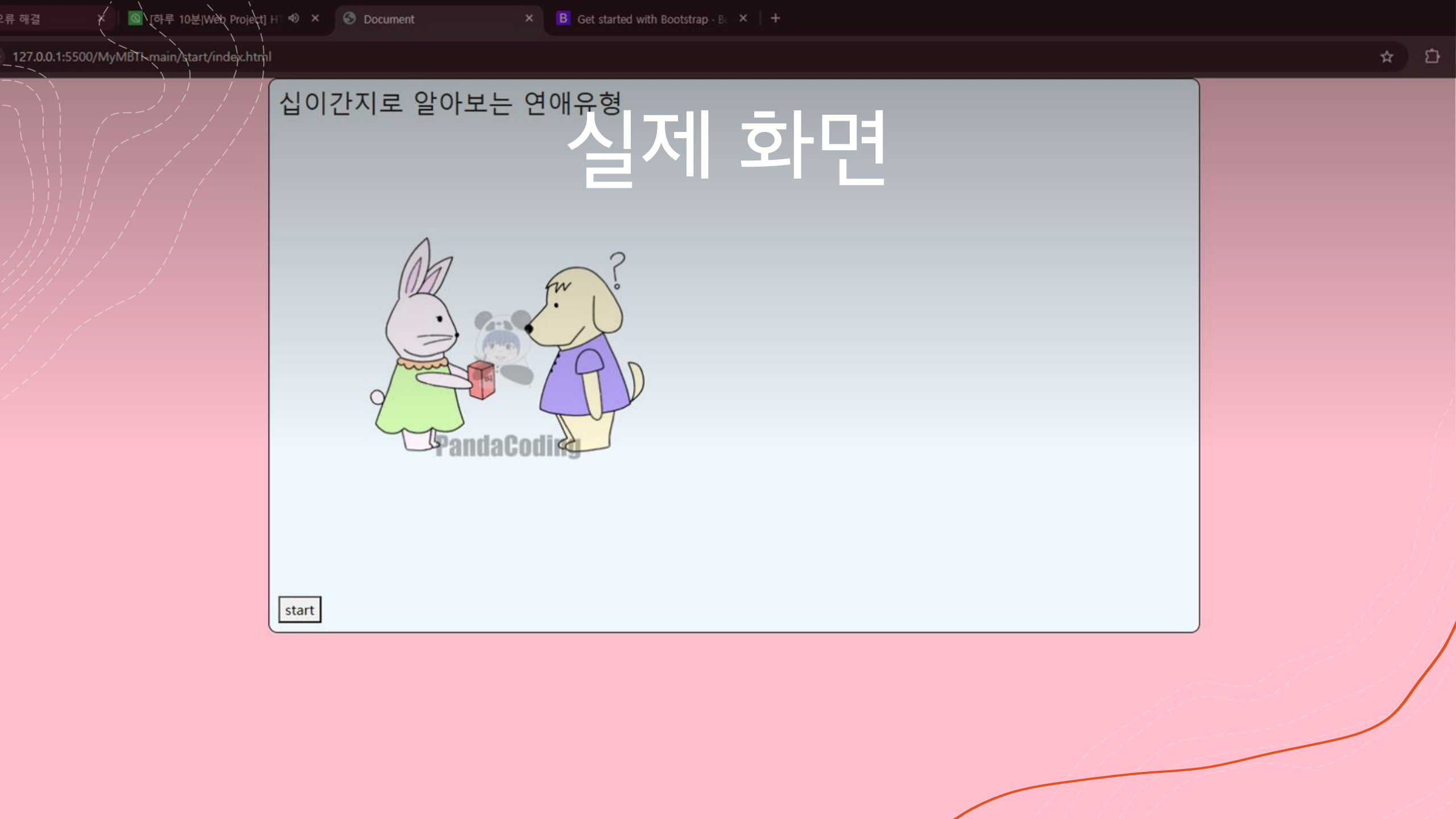
```
+ <script  
  src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"  
  integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0x  
  hy9GkcidslK1eN7N6jIeHz"  
  crossorigin="anonymous"></script>
```



```
index.html X  
MyMIDI main > start > index.html > HTML > body  
1 <doctype html>  
2 <html lang="ko">  
3  
4 <head>  
5   <meta charset="UTF-8" />  
6   <meta name="viewport" content="width=device-width, initial-scale=1.0" />  
7   <title>Document</title>  
8   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH" crossorigin="anonymous">  
9 </head>  
10 <body>  
11   <section id="main"></section>  
12   <div id="main"> <div id="main">  
13     <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcidslK1eN7N6jIeHz" crossorigin="anonymous"></script>  
14       
15   </div>  
16   <button type="button">Start</button>  
17   <section id="qa"></section>  
18  
19   <section id="result"></section>  
20 </body>  
21 </html>  
22
```

Main page styling

```
index.html × default.css main.css ×
MyMBTI-main > start > css > main.css > #main
1  #main
2  {
3      background-color: ■ aliceblue;
4      width: 80%;
5      margin: 0 auto;
6      padding: 10px;
7      border: 1px solid ■ black;
8      border-radius: 10px;
9  }
```



십이간지로 알아보는 연애유형

실제 화면



PandaCoding

start

Keyframes를 활용한 animation

```
1  @keyframes fadeIn {
2      from {
3          opacity: 0;
4      }
5      to {
6          opacity: 1;
7      }
8  }
9  @keyframes fadeout {
10     from {
11         opacity: 1;
12     }
13     to {
14         opacity: 0;
15     }
16 }
17 @-webkit-keyframes fadeIn {
18     from {
19         opacity: 0;
20     }
21     to {
22         opacity: 1;
23     }
24 }
25 @-webkit-keyframes fadeout {
26     from {
27         opacity: 1;
```


Inner HTML 을 활용한 질문 구성

```
<section id="qna">  
  <div class="qBox"></div>  
  <div class="answerBox"></div>  
</section>
```

```
17 function goNext() {  
18   var q = document.querySelector('.qBox');  
19   q.innerHTML = qnaList[0].q;  
20 }  
21
```


Java script를 활용한 질문 보여주기

Data.js에 질문과 답변을 배열로 저장해놓고 함수 및 반복문을 통해 질문과 답변 생성

MyMBTI-main > start > js > start.js > begin > setTimeout() callback

```
1  const main = document.querySelector("#main");
2  const qna = document.querySelector("#qna");
3  const result = document.querySelector("#result");
4
5  function addAnswer(answerText) {
6    var a = document.querySelector(".answerBox");
7    var answer = document.createElement("button");
8    a.appendChild(answer);
9    answer.innerHTML = answerText;
10 }
11
12 function goNext(qIdx) {
13   var q = document.querySelector(".qBox");
14   q.innerHTML = qnaList[qIdx].q;
15   for (let i in qnaList[qIdx].a) {
16     addAnswer(qnaList[qIdx].a[i].answer);
17   }
18 }
19
20 function begin() {
21   main.style.webkitAnimation = "fadeout 1s";
22   main.style.animation = "fadeout 1s";
23   setTimeout(() => {
24     qna.style.webkitAnimation = "fadein 1s";
25     qna.style.animation = "fadein 1s";
26     setTimeout(() => {
27       main.style.display = "none";
28       qna.style.display = "block";
29     }, 450);
30     let qIdx = 0;
31     goNext(qIdx);
32     }, 450);
```

다음 질문으로 넘어가기

- + addEventListener 함수를 통해 다음 함수 지정
- + 새로운 변수에 질문 전체를 담아 사라지게 하기(classList.add를 통해 querySelector가 동작되도록 한다)

```
answer.addEventListener("click", function () {  
  var children = document.querySelectorAll(".answerList");  
  for (let i = 0 ; i < children.length ; i++) {  
    children[i].disabled = true;  
    children[i].style.webkitAnimation = "fadeOut 0.5s";  
    children[i].style.animation = "fadeOut 0.5s";  
  }  
});  
}
```

다음 질문으로 넘어갈 때 이전 답변 보이는 오류

- + goNext () 함수에서 answerBox class를 초기화하는 방식으로 해결
- + A.innerHTML = "";

```
function goNext(qIdx) {  
    var a = document.querySelector(".answerBox");  
    a.innerHTML = "";  
  
    var q = document.querySelector(".qBox");  
    q.innerHTML = qnaList[qIdx].q;  
    for (let i in qnaList[qIdx].a) {  
        addAnswer(qnaList[qIdx].a[i].answer, qIdx);  
    }  
}
```

statusBar를 이용한 진행률 나타내기

- + Status class안에 statusBar class 생성
- + 질문 리스트의 인덱스 값에 따라 진행률 반영

```
34
35 <section id="qna">
36   <div class="status mx-auto mt-5">
37     <div class="statusBar"></div>
38   </div>
39   <div class="qBox my-5 py-3 mx-auto"></div>
40   <div class="answerBox"></div>
41 </section>
42
```

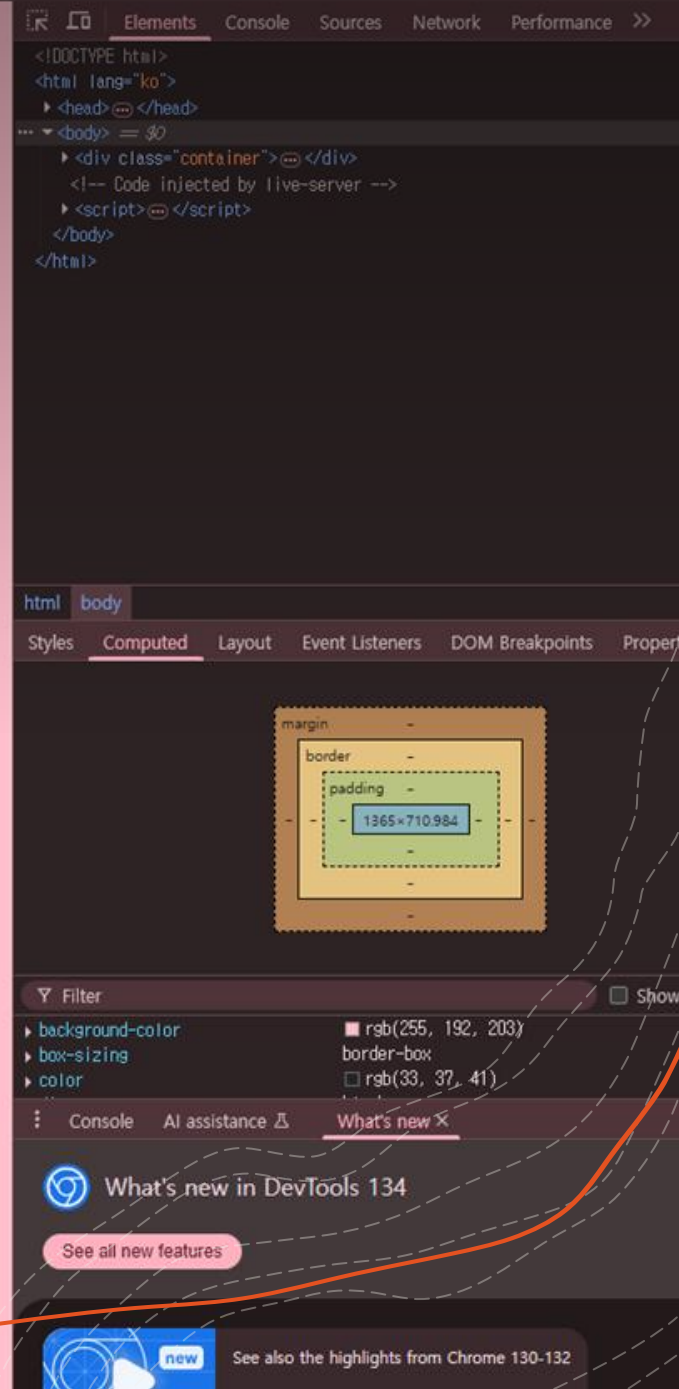
실제 화면

2. 좋아하는 사람이 생겨 연락하고자 한다

a. 바로 먼저 연락한다.

b. 언제 연락할지, 어떻게 말할지 심사숙고하여 연락한다.

c. 상대방에게 먼저 연락 올 때까지 기다린다.



Result 화면 구현

- + Main.js에서 goResult() 함수를 이용해
- + QnA의 display를 none으로
- + Result의 display를 block으로 설정

```
function goResult() {  
  main.style.webkitAnimation = "fadeout 1s";  
  main.style.animation = "fadeout 1s";  
  setTimeout(() => {  
    result.style.webkitAnimation = "fadein 1s";  
    result.style.animation = "fadein 1s";  
    setTimeout(() => {  
      qna.style.display = "none";  
      result.style.display = "block";  
    });  
  });  
}
```

모든 선택지를 배열로 저장

+ 각 질문의 답변에 매칭되는 동물의
count가 올라간다

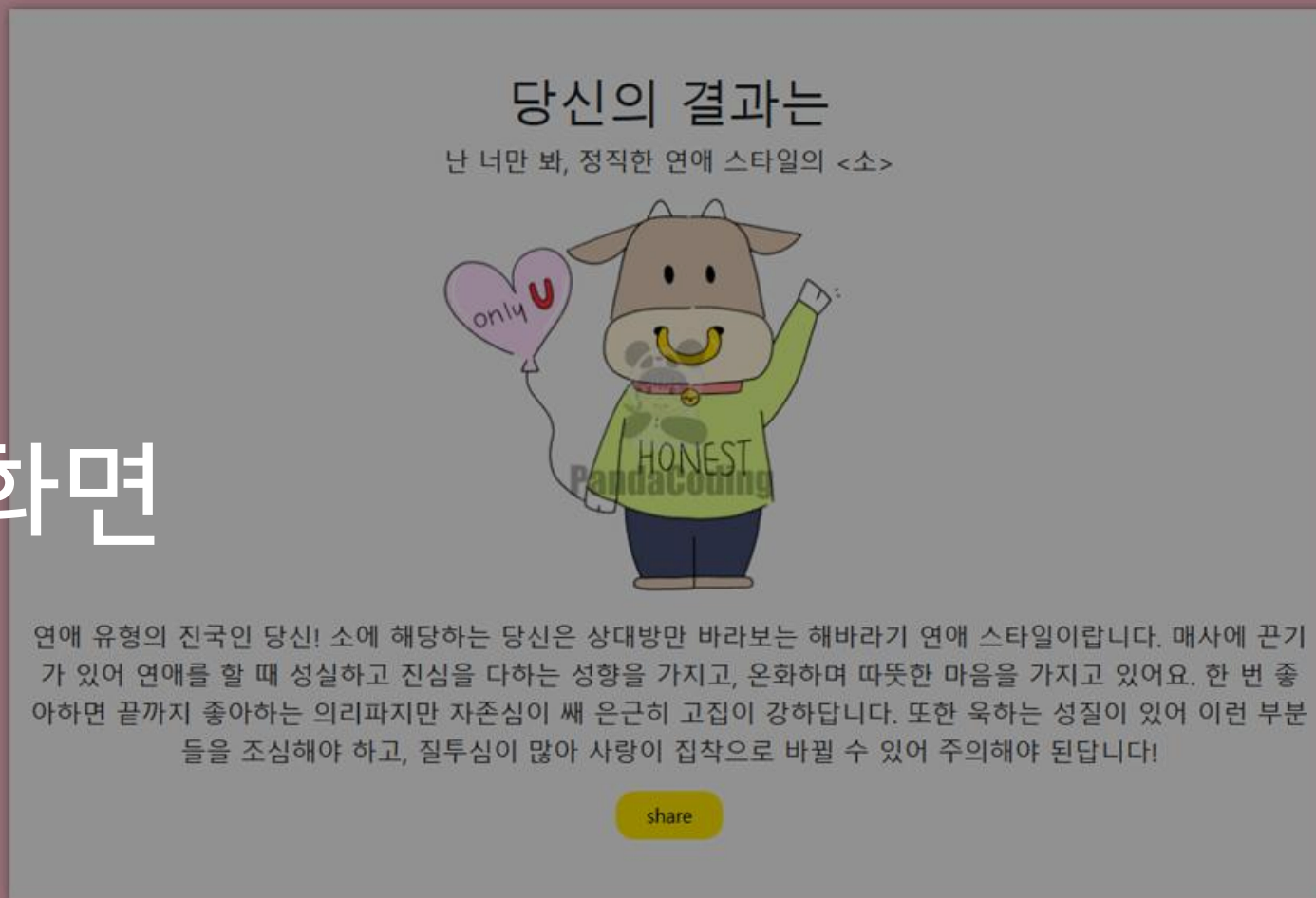
```
MyMBTI-main > start > js > JS data.js > ...
```

```
1  "mouse", 0;  
2  "cow", 1;  
3  "tiger", 2;  
4  "rabbit", 3;  
5  "dragon", 4;  
6  "snake", 5;  
7  "horse", 6;  
8  "sheep", 7;  
9  "monkey", 8;  
10 "chicken", 9;  
11 "dog", 10;  
12 "pig", 11;  
13
```


EventListener에서 선택한 동물의 index를 증가

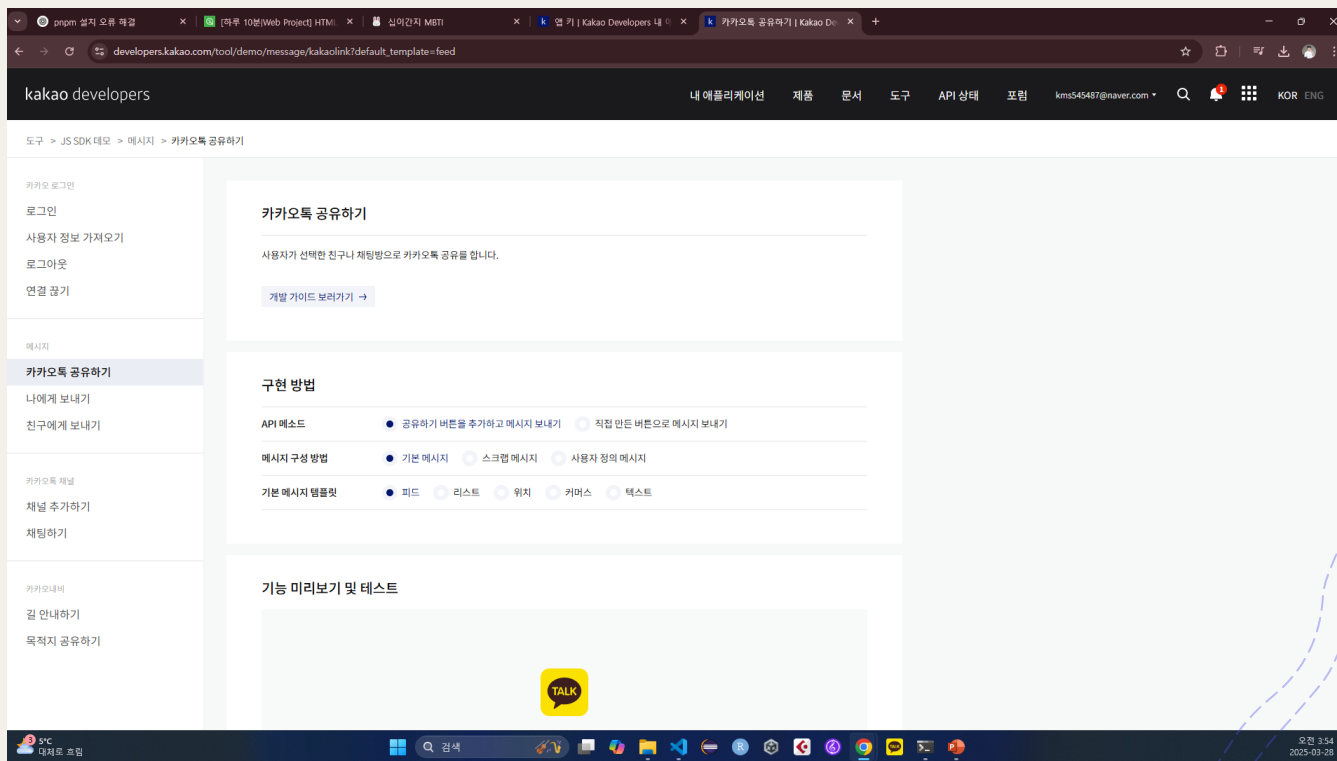
```
57  
58   answer.addEventListener(  
59     "click",  
60     function () {  
61       var children = document.querySelectorAll(".answerList");  
62       for (let i = 0; i < children.length; i++) {  
63         children[i].disabled = true;  
64         children[i].style.webkitAnimation = "fadeOut 0.5s";  
65         children[i].style.animation = "fadeOut 0.5s";  
66       }  
67       setTimeout(() => {  
68         var target = qnaList[qIdx].a[idx].type;  
69         for (let i = 0; i < target.length; i++) {  
70           select[target[i]] += 1;  
71         }  
72         for (let i = 0; i < children.length; i++) {  
73           children[i].style.display = "none";  
74         }  
75         if (qIdx + 1 === endPoint) {  
76           setTimeout(() => {  
77             goResult();  
78           }, 450);  
79           return;  
80         }  
81         select[qIdx] = idx;  
82         for (let i = 0; i < children.length; i++) {  
83           children[i].style.display = "none";  
84         }  
85         answer.style.display = "block";  
86         goNext(++qIdx);  
87       }, 450);  
88     },  
89     false  
90   );  
91 }
```

실제 화면



공유하기

+ Kakao API를 활용



결과

