반응형 웹 만들기

bootstrap

- 4 bootstrap 최신 버전 인 bootstrap 반응, 모바일 최초의 웹 사이트 개발을 위한 가장 인기 있는 HTML, CSS, 자바 스크립트 프레임 워크입니다.
- 4 bootstrap 다운로드하고 사용은 완전 무료입니다!



bootstrap은 무엇인가?

- bootstrap 은 빠르고 쉽게 웹 개발을 위한 무료 프런트엔드 프레임 워크입니다.
- bootstrap 은 타이포그래피, 양식, 버튼, 테이블, 네비게이션, 모델, 이미지 회전 및 기타 여러 뿐만 아니라 옵션으로 자바 스크립트 플러그인에 대한 HTML 및 CSS 기반의 디자인 템플릿이 포함되어 있습니다.
- bootstrap 은 또한 당신에게 쉽게 반응하는 디자인을 만들 수 있는 기능을 제공합니다.

What is Responsive Web Design?

Responsive web design is about creating web sites which automatically adjust themselves to look good on all devices, from small phones to large desktops.



반응 형 웹 디자인이란 무엇입니까?

반응이 빠른 웹 디자인은 작은 전화기에서부터 대형 데스크탑에 이르기까지 모든 장치에 맞게 자동으로 조정되는 웹 사이트를 만드는 것입니다.

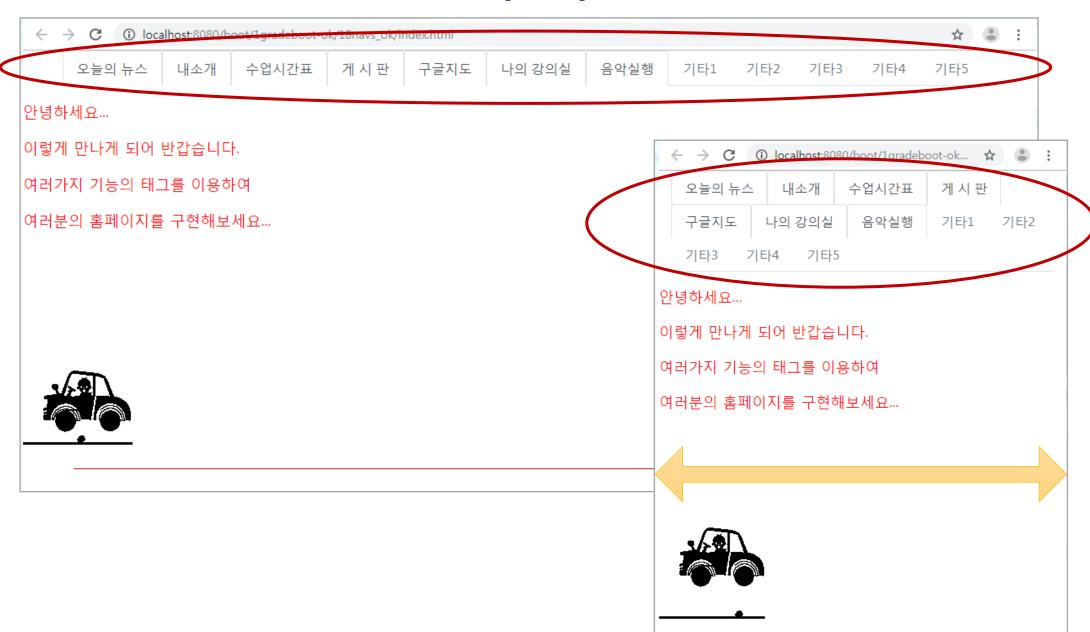
1. 19dropdowns - index.html(1/2)

```
항상 입력
     <head>
 2⊜
       <title>Bootstrap 4 Navs bars</title>
       <meta charset="utf-8">
       <meta name="viewport" content="width=device-width, initial-scale=1">
       <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
       <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
       <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
       <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
10
       </div>
                                              ☑ 무료 Hotmail 🚱 연결 사용자 정의
11
     </head>
                                             홈페이지 메뉴
                                             오늘의 뉴스
                                             내소개
                                             수업시간표
                                                     를 이용하여
                                             게 시 판
                                             구글지도
                                                      구<sup>현</sup>해보세요...
                                             나의 강의실
```

1. 19dropdowns - index.html(2/2)

```
149
       <div class="container">
         <div class="dropdown">
15⊜
16⊜
           <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown">
17
        홈페이지 메뉴
18
           </button>
           <div class="dropdown-menu">
19⊜
             <a class="dropdown-item" href="https://www.naver.com">오늘의 뉴스</a>
20
             <a class="dropdown-item" href="profile.html">いるパイク
21
             <a class="dropdown-item" href="table.html">수업시간표</a>
22
23
             <a class="dropdown-item" href="board.html">게 시 판</a>
24
             <a class="dropdown-item" href="http://maps.google.com">구글지도</a>
             <a class="dropdown-item" href="lecture.html">나의 강의실</a>
25
             <a class="dropdown-item" href="midwav.html">음악실행</a>
26
27
           </div>
28
         </div>
29
       </div>
```

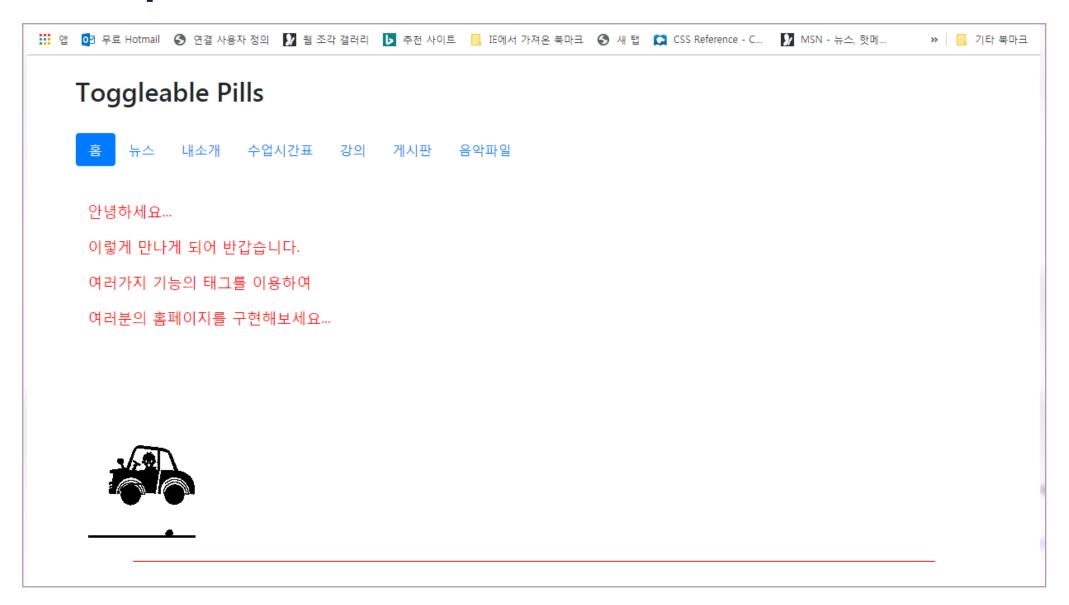
2. 21nav-tabs - index.html(1/2)



2. 21nav-tabs - index.html(2/2)

```
129
     <div class="container">
      13⊜
14
      class="nav-item"><a class="nav-link active" href="https://www.naver.com">오늘의 뉴스</a>
15
      <a class="nav-link active" href="profile.html">いよい</a>
      <a class="nav-link active" href="table.html">수업시간표</a>
16
      class="nav-item"><a class="nav-link active" href="board.html">게 시 판</a>
17
18
      class="nav-item"><a class="nav-link active" href="http://maps.google.com">구글지도</a>
19
      <a class="nav-link active" href="lecture.html">나의 강의실</a>
      <a class="nav-link active" href="midwav.html">음악실행</a>
20
      <a class="nav-link disabled" href="board.html">フトレイン
21
      <a class="nav-link disabled" href="board.html">>기타2</a>
22
23
      <a class="nav-link disabled" href="board.html">>>IEH3</a>
24
      <a class="nav-link disabled" href="board.html">フト4</a>
25
      <a class="nav-link disabled" href="board.html">>>IEH5</a>
26
      27
     </div>
```

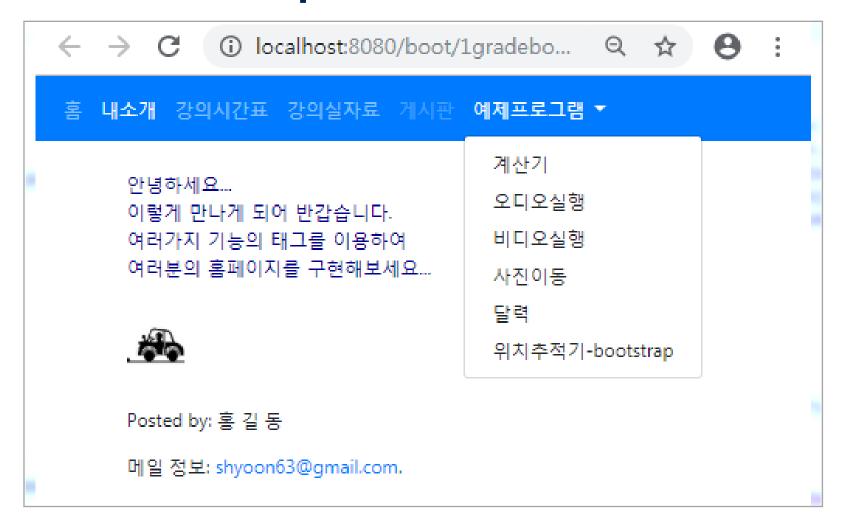
3. 21nav-pills - index.html(1/2)



3. 21nav-pills - index.html(2/2)

```
22⊜
             class="nav-item">
23⊜
              <a class="nav-link active" data-toggle="pill" href="#home">喜</a></a>
24
25
             26⊜
27
              <a class="nav-link" data-toggle="pill" href="#news" onclick="linkgo('http://www.naver.com')"> 뉴스</a>
28
             29⊜
30
              <a class="nav-link" data-toggle="pill" href="#profile" onclick="linkgo('profile.html')">出소개</a>
31
             32⊜
              <a class="nav-link" data-toggle="pill" href="#table" onclick="linkgo('table.html')">수업시간표</a>
33
             34
35⊜
             <a class="nav-link" data-toggle="pill" href="#lecture" onclick="linkgo('lecture.html')">감의</a>
36
             37
             38⊜
              <a class="nav-link" data-toggle="pill" href="#board" onclick="linkgo('board.html')">게시판</a>
39
             40
             41⊜
              <a class="nav-link" data-toggle="pill" href="#midwav" onclick="linkgo('midwav.html')">음악파일</a>
42
             43
44
```

4. 22Navbar With Dropdown - index.html(1/8)



4. 22Navbar With Dropdown - index.html(2/8)

```
17@ <nav class="navbar navbar-expand-sm bg-primary navbar-dark">
                                                                               class="nav-item_dropdown">
      <!-- Links -->
18
                                                                          37
                                                                                 <a class="nav-link dropdown-toggle" id="navbardrop" data-toggle="dropdown">
                                                                          38
      39
                                                                                 </a>
        20⊕
                                                                                 <div class="dropdown-menu">
                                                                                  <a class="dropdown-item" href="calculator.html">계상기</a>
          <a class="dropdown-item" href="midwav.html"> Չঘ৭৺ শ্ব>
        \langle li \rangle
                                                                                  <a class="dropdown-item" href="video.html"> អាជា១៨២</a>
                                                                                  <!-- <a class="dropdown-item" href="video_change/webvilletv playlist change
23@
        class="nav-item">
                                                                                  <a class="dropdown-item" href="jquery1/jquery1.html">사진이들</a>
                                                                                  <a class="dropdown-item" href="jquery2/sunny.html">@<</a>
          <a class="nav-link active" href="profile.html">เม่นแล่ง
24
                                                                                  <!-- <a class="dropdown-item" href="map1/m myLoc.html">위치추적기-iquery</a>
        <a class="dropdown-item" href="map2/m myLoc.html">위치추적기-bootstrap</a>
                                                                          49
                                                                                 </div>
        class="nav-item">
26⊕
                                                                               ka class="nav-link" href="table.html">ショルア

ボく/a>
        28
        class="nav-item">
29⊕
          <a class="nav-link" href="lecture.html">감의실자료</a>
30
31
        class="nav-item">
          ≺a class="nav-link disabled" href="board.html">>>>
33
34
        <!-- Dropdown -->
        class="nav-item dropdown" ...
36⊕
      </nav>
```

4. 22Navbar With Dropdown - board.html(3/8)

```
1 <!DOCTYPE html>
 20 <html lang="en">
 30
        <head>
        <title>жиш</title>
       <meta charset="utf-8">
 60
       <!-- <meta name="viewport" content="width=device-width, initial-scale=1">
        <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
        <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
10
        <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script> -->
11
        </head>
12@
        <body>
13
        <hr>>
14@
            <div class="container mt-3" class="bq-primary">
15@
                <div class="media border p-3" class="bg-primary" >
16
                    <img src="imgs/kongsa.gif" alt="John Doe" class="mr-3 mt-3 rounded-circle" style="width:60px;" >
17⊜
                    <div class="media-body">
            지금은 골사줄입니다.<br>
18
            다음기회에 더좋은 <font size=+3 color=red>게시판</font>으로 연결하겠습니다</img>
19
                    </div>
20
                </div>
22
            </div>
23
       <hr><hr><hr>><hr>></hr></r>
24
        <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button></center>
25
        </body>
26 </html>
```

4. 22Navbar With Dropdown - leture.html(4/8)

```
1 <!DOCTYPE html>
  2@ <head>
                  <title>광의</title>
                  <meta charset="utf-8">
                  <meta name="viewport" content="width=device-width, initial-scale=1">
                  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
                  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
                  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
  8
                   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
10 </head>
11@ <style>
12
                  #exam {
13
                  background-image: url("imgs/smallbird.png");
                  background-repeat: repeat-x;
                  background-position: right bottom;
                  /* margin-right: 200px; */
17
                  background-attachment: fixed;
18 }
19 </style>
20@ <body_id=exam_text="#0033cc"_bgcolor="#cc66ff"_link="#0000EE"_vlink="#551A8B"_alink="#FF0000">
                   <div class="container mt-3" class="bq-primary">
21⊜
                   <!--<div class="media border p-3" class="bg-primary" >-->
                   <br>
24⊜
                            <01>
25
                                      <a href="lecture/HTML5">HTML5(INGUE)</a>
                                      <a href="lecture/WebApp">WebApp(INUME)</a>
26
                                      <a href="lecture/jQuery.html/">jQuery(即धಟ書)</a>
                                      <a href="multi/multi.hwp">\= \mathbb{G} \text{\text{A}} \text{\text{B}} \text{\text{A}} \text{\text{B}} \t
28
                            <!--</div>-->
31
                  </div>
32
                  <br>
33
                  <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button></center>
                  35 </body>
36 </html>
```

4. 22Navbar With Dropdown - midwav.html(5/8)

```
<!DOCTYPE html>
2@ <head>
     <title>SUSDA</title>
     <meta charset="utf-8">
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
     <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
   </head>
     <br/>kbody_bgcolor=#330000>.
120
       <font color=blue>
13@
         <center>
         <h3>컨토륨방소보이기</h3><br><br><
         <!-- <embed src="multi/loveme.mp3" width="600" height="100" hidden="false"> <br>
   </embed> -->
   <audio controls>
180
        <source src="multi/loveme.mp3" type="audio/mpeg">
19
   </audio>
20
   </center>
       </font>
       <hr>
23
       <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button></center>
24
     </body>
   </html>
```

4. 22Navbar With Dropdown - profile.html(6/8)

```
119 <body>
|12@<div class="container mt-3" class="bg-primary">
    <h3>My profile</h3>
13
14
     프론트 엔드개발자<br>
15⊜
    <div class="media border p-1" class="bq-primary" >
      <img src="imqs/qirl.pnq" alt="John Doe" class="mr-3 mt-3 rounded-circle" style="width:60px;" >
16
      <div class="media-body">
17⊜
        <h4>홍 길 동 <small><i>프론트 앤드 개발자가 되기 위해 공부를 하고 있습니다.</i></small></h4>
18
        19
20⊜
        <l
          jquerybootstrapvue.jsnode.js
21
22
        23
24
      </div>
    </div>
25 </div>
26
    <hr>
    <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button>
   </center>
29 </body>
```

4. 22Navbar With Dropdown - table.html(7/8)

```
<!DOCTYPE html>
   <html lang="en">
3 ⊟<head>
     <stvle>
     </style>
     <title>시간표</title>
     <meta charset="utf-8">
     <meta name="viewport" content="width=device-width, initial-scale=1">
8
     <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
9
10
     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
11
     <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
12
13
   </head>
   <body>
15 ⊟<div class="container">
     <div class="container mt-3" class="bg-primary">
                                                       tbody 부분은 생략됨
       <div class="media border p-1" class="bg-primary"</pre>
17 ⊟
18 H
         <div class="media-body">
           19 H
20
            <thead>
21 🖂
            22
                T
                                 30 ⊞
                                              23
                  2
                                              </troody>
                 화
24
                                            25
                  全
                                          </div><!-- <div class="media-body"> -->
26
                 목
                                         </div><!-- <div media border p-1" class="bg-primary"> -->
27
                 급
                                       </div> <!-- <div class="container mt-3" class="bg-primary" > -->
28
              </div><!-- <div class="container"> -->
                                  76
29
             </thead>
                                     <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button></center>
                                      </body>
                                      </html>
```

```
30
31
      <tn>
32
        1
33
       >PH
       45<br/>cbr>93
34
35
       자바
36
       자바<br>성숙
37
       >문양세제
38
      39
      48
        2
41
       >中型
42
       43
       영앙일순
44
      45
      46
        3
47
       정부<br>
ドウィンサンド
48
       89
49
       EM
58
       9e
51
      52
      53
        4
54
       c++<br>>@@
55
       d>@d
56
       89
57
      58
      <tn>
59
        5
68
       @ভদান
61
       ZZZ
62
       자료구조
63
      64
      ktr>
65
        6
66
       짜막
67
       中型
68
        
69
      78
```

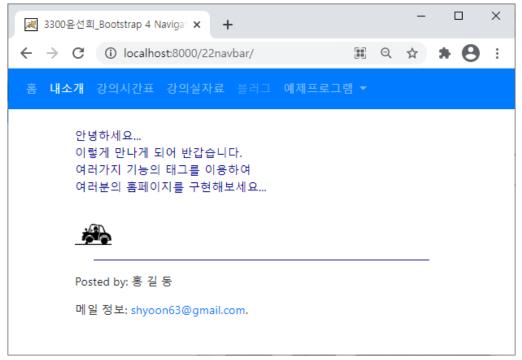
4. 22Navbar With Dropdown - video.html(8/8)

```
1 <!DOCTYPE html>
                                                                                                                 var myVideo = document.getElementById("video1");
                                                                                          31
 20 <head>
                                                                                                                 function playPause() {
                                                                                          32
     <title>Bootstrap Example</title>
                                                                                                                     if (myVideo.paused)
                                                                                          33
      <meta charset="utf-8">
                                                                                          34
                                                                                                                         myVideo.play();
     <meta name="viewport" content="width=device-width, initial-scale=1">
                                                                                                                     else
     k rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/36
                                                                                                                         myVideo.pause();
     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">
     <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.n" 38</pre>
                                                                                                                 function makeBig() {
     <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js" 39</pre>
                                                                                                                     myVideo.width = 300;
   </head>
11@ <body>
                                                                                                                 function makeSmall() {
                                                                                          41
12 <!-- 사파리 .mp4, 크롬: .webm, 파이어폭스, 오페라: .ogy 모두지원:mp3-->
                                                                                                                     myVideo.width = 200;
                                                                                          42
13@ <div class="container">
                                                                                          43
                                                                                                                 function makeNormal() {
        <div class="container mt-3" class="bq-primary">
140
                                                                                          44
                                                                                                                     myVideo.width = 250;
            <div class="media border p-1" class="bq-primary" >
                                                                                          45
150
                                                                                          46
16@
                <div class="media-body">
                                                                                          47
                                                                                                             </script>
                    <div style="text-align:center">
17⊜
                                                                                                         </div>
                                                                                          48
18<sup>®</sup>
                        <video id="video1" width="250">
                                                                                          49
                                                                                                     </div>
19
                            <source src="multi/mov bbb.mp4" type="video/mp4">
                                                                                                 </div>
                                                                                          50
20
                            <source src="multi/mov bbb.ogg" type="video/ogg">
                                                                                          51 </div>
                            Your browser does not support HTML5 video.
                                                                                          52 <br><br><br>
                        .</video>
23
                        <br>
                        <button type="button" class="btn btn-danger btn-sm" onclick="playPause()">Play/Pause</button>
24
25
                        <button type="button" class="btn btn-success btn-sm" onclick="makeBig()">Big</button>
                        <button type="button" class="btn btn-info btn-sm" onclick="makeSmall()">Small/button>
26
                        <button type="button" class="btn btn-dark btn-sm" onclick="makeNormal()">Normal/button>
27
28
                        <br>
29
                    </div>
```

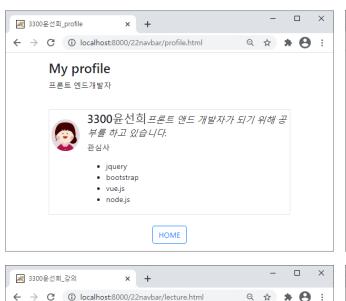
```
53 <center><button type="button" class="btn btn-outline-primary"><a href="index.html">HOME</a></button></center>
54 </body>
55 </html>
```

<실습> bootstrap - 22Navbar With Dropdown(1/2)

1. http://localhost:8000/22navbar/



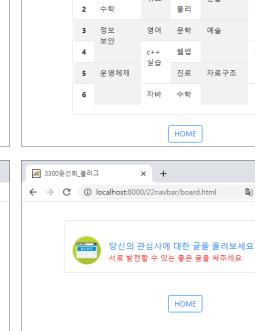
localhost에서 실행



HOME

1. HTML5(파일없음) 2. WebApp(파일없음)

3. jQuery(파일없음) 4. 동영상사용법



← → C (i) localhost:8000/22navbar/table.html

네트

자바 자바

1 자바

금

운영체제

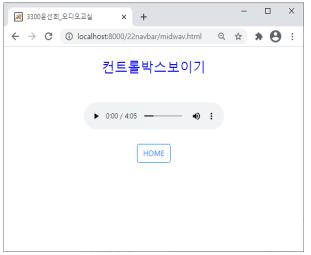
영상실습

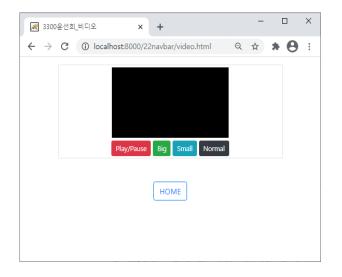
- □ ×

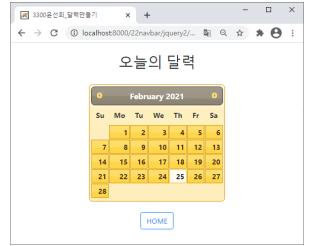
💥 3300윤선희_시간표

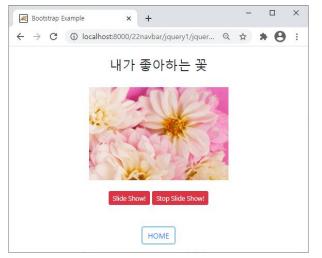
<실습> bootstrap - 22Navbar With Dropdown(2/2)



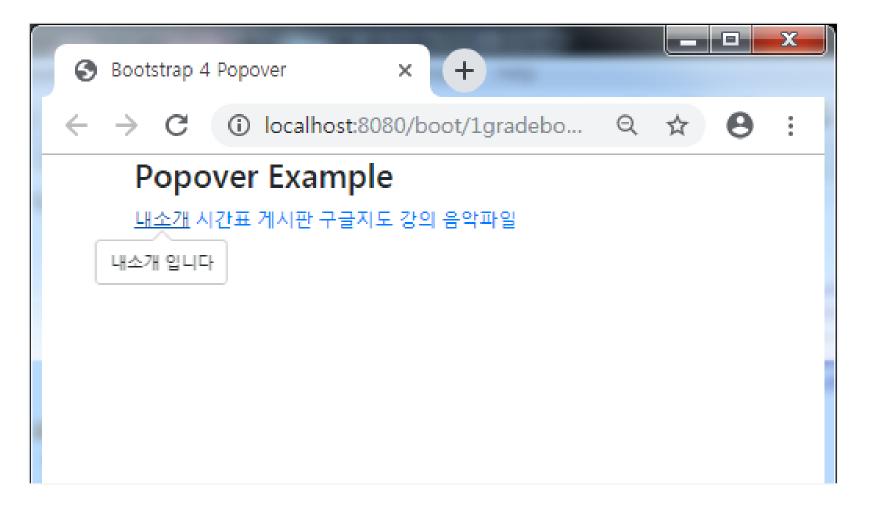








5. 30popover - index.html(1/3)



5. 30popover - index.html(2/3)

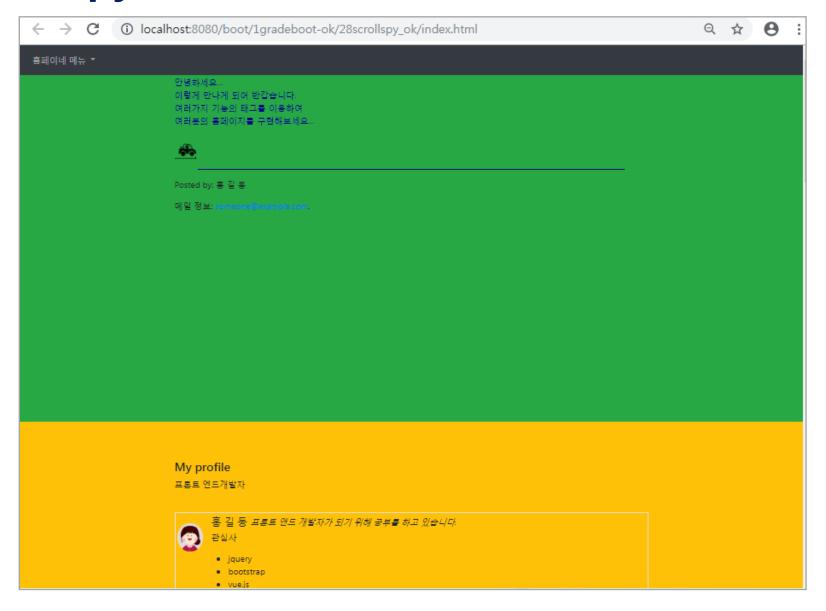
```
1⊖ <html>
2@ <head>
    <title>Bootstrap 4 Popover</title>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
    <script>
10⊝
    $(document).ready(function(){
11
     $('[data-toggle="popover"]').popover();
13
    });
    </script>
15 </head>
16@ <body>
17@ <div class="container">
    <h3>Popover Example</h3>
    19
    <a href="board.html" title="" data-toggle="popover" data-trigger="hover" data-placement="bottom" data-content="ガル型ロロ">케ル型</a>
    <a href="http://maps.google.com" title="" data-toggle="popover" data-trigger="hover" data-placement="bottom" data-content="アヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは">マヨガミシレは"
    <a href="lecture.html" title="" data-toggle="popover" data-trigger="hover" data-placement="bottom" data-content="괄의병율의니다">감익</a>
    <a href="midwav.html" title="" data-toggle="popover" data-trigger="hover" data-placement="bottom" data-content="eeফু১৯ম৫">৪৭৯১
24
25 </div>
26@ <script>
  $(document).ready(function(){
      $('[data-toggle="popover"]').popover();
28
29
  });
  </script>
  </body>
32 </html>
```

앞의 완성된 19navbar 의 board.html, lecture.html, midwav.html, profile.html, table.html, video.html 활용

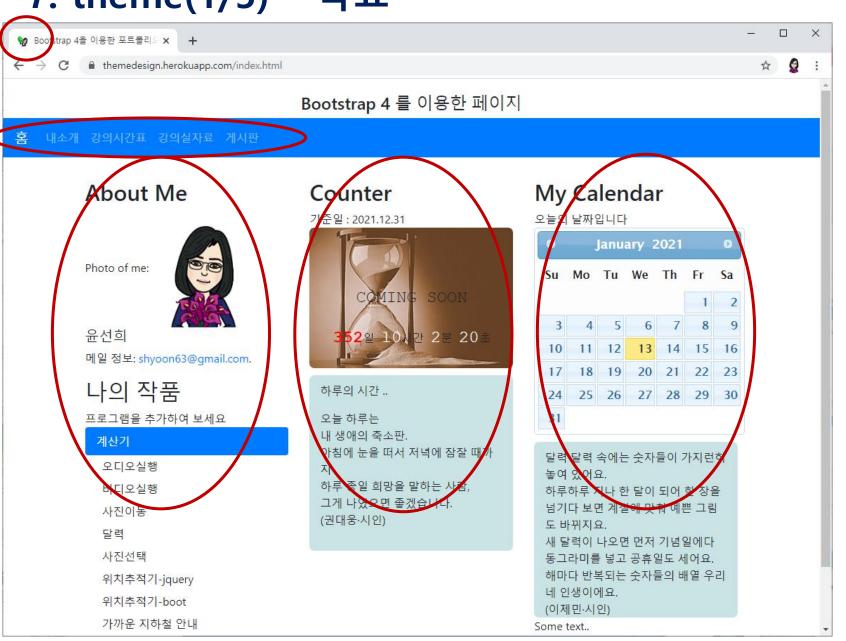
5. 22navbar의 index.html에 30popover을 적용하기(3/3)

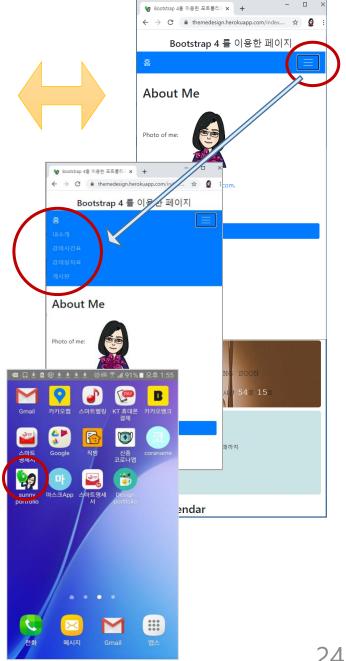
```
10⊖ <script>
    $(document).ready(function(){
      $('[data-toggle="popover"]').popover();
                                                                        22navbar 의 index.html 에 30Popover가 적용된 소스
13
    });
                                                                               나머지 dropdown-menu에도 적용하기
    </script>
15 </head>
16@ <body>
17⊜ <nav class="navbar navbar-expand-sm bg-primary navbar-dark">
    <!-- Links -->
    19⊜
      20⊝
        <a class="nav-link" href="index.html" data-toggle="popover" data-trigger="hover" data-content="差パタロロロートをはいる。</p>
      class="nav-item">
23⊕
24
        <a class="nav-link active" href="profile.html" data-toggle="popover" data-trigger="hover" data-content="μ의 프로필일니다">山소개</a>
25
      class="nav-item">
26⊜
        <a class="nav-link" href="table.html" data-toggle="popover" data-trigger="hover" data-content="실시간 반열되니 참고하세요">같의시간표</a>
27
28
      class="nav-item">
29⊕
        <a class="nav-link" href="lecture.html" data-toggle="popover" data-trigger="hover" data-content="다운발에 사용하세요">같의실자료</a>
30
31
      32⊕
        <a class="nav-link disabled" href="board.html" data-toggle="popover" data-trigger="hover" data-content="の本書 ヨル蚕鉛には">知以配く/a>
33
34
      <!-- Dropdown -->
35
      class="nav-item dropdown">
36⊜
37⊖
        <a class="nav-link dropdown-toggle" href="lecture.html" id="navbardrop" data-trigger="hover" data-toggle="dropdown"</p>
                 data-content="예제프로그램을 만들어 메뉴에 추가하여 불시다">
38
39
        <!--data-toggle="dropdown", data-toggle="popoyer" 돌돌에 하나만 될-->
40
     예제프로그램
```

6. 32scrollspy - 소스살펴보기



7. theme(1/5) - 목표





7. theme- index.html에 22Navbar 의 Collapsing The Navigation Bar적용하기1(2/5)

https://www.w3schools.com/bootstrap4/bootstrap_navbar.asp

```
<nav class="navbar navbar-expand-md bg-dark navbar-dark">
 <!-- Brand -->
 <a class="navbar-brand" href="#">Navbar</a>
 <!-- Toggler/collapsibe Button -->
 <button class="navbar-toggler" type="button" data-toggle="collapse" data-</pre>
target="#collapsibleNavbar">
   <span class="navbar-toggler-icon"></span>
 </button>
 <!-- Navbar links -->
 <div class="collapse navbar-collapse" id="collapsibleNavbar">
   Collapsing The Navigation Bar
      <a class="nav-link" href="#">Link</a>
     Navbar
       <a class="nav-link" href="#">Link</a>
     class="nav-item">
                                                Navbar의
      <a class="nav-link" href="#">Link</a>
     </div>
</nav>
```

7. theme- index.html에 상단 메뉴 만들기 : 22Navbar 의 Collapsing The Navigation Bar적용(3/5)

```
<! --메뉴버튼-->
47
48
       <nav class="navbar navbar-expand-sm bg-primary navbar-dark">
       <a class="navbar-brand" href="index.html" data-toggle="popover" data-trigger="hover" data-content="초기화면입니다">홈</a>
49 ⊟
50 ⊟
         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#collapsibleNavbar">
           <span class="navbar-toggler-icon"></span>
51
52
         </button>
         <div class="collapse navbar-collapse" id="collapsibleNavbar">
53 ⊟
          54
          class="nav-item">
55 ⊟
56
            <a class="nav-link" href="profile.html"> 내소개</a>
57
          class="nav-item">
58 ⊟
            <a class="nav-link" href="table.html">강의시간표</a>
59
60
          class="nav-item">
61 ⊟
            <a class="nav-link" href="lecture.html">강의실자료</a>
62
          63
          class="nav-item">
64 ⊟
            <a class="nav-link" href="board.html">게시판</a>
65
          66
          67
         </div>
68
69
       </nav>
```

7. theme- index.html에 왼쪽아래 메뉴만들기 - <div class="col-sm-4">(4/5)

```
<h2>나의 작품</h2>
84
85
             <font size=3>프로그램을 추가하여 보세요</font>
             86 ⊟
               class="nav-item">
87
               <a class="nav-link active" href="calculator.html" data-toggle="popover" data-content="계산하는프로그램">계산기</a>
               89
               <a class="dropdown-item" href="midwav.html" data-toggle="popover" data-content="좋하하는 노래가 실행이 됩니다">오디오실행</a>
91
92
               <a class="dropdown-item" href="video.html" data-toggle="popover" data-content="비디오가 실행됩니다">비디오실행</a>
95
               96
               <a class="dropdown-item" href="jquery1/jquery1.html" data-toggle="popover" data-content="jquery로 작성된 달력입니다. 좋아하는 사진으로 바꾸어보세요">사진이동</a>
97
               99
               class="nav-item">
               <a class="dropdown-item" href="jquery2/sunny.html" data-toggle="popover" data-content="jquery로 작성된 달력입니다">달력</a>
100
101
               102
               <a class="dropdown-item" href="map1/m myLoc.html" data-toggle="popover" data-content="jquery mobile를 이용한 위치추적기 입니다">위치추적기-jquery</a>
103
               104
105
               class="nav-item">
106
               <a class="dropdown-item" href="map2/m myLoc.html" data-toggle="popover" data-content="bootstrap를 이용한 위치추적기 입니다">위치추적기-boot</a>
107
               108
109
               <a class="dropdown-item" href="subway/subway.html" data-toggle="popover" data-content="가까운 지하철 안내 입니다">가까운 지하철 안내</a>
               class="nav-item">
111 ⊟
112
                  <a class="dropdown-item" href="parking/parking.html" data-toggle="popover" data-content="가까운 주차장 안내 입니다">가까운 주차장 안내</a>
113
               114 ⊟
               115
                  <a class="dropdown-item" href="dust/index.html" data-toggle="popover" data-content="실시간 기상지수 정보 안내 입니다">실시간 기상지수 정보 안내</a>
               116
117 ⊟
               <a class="dropdown-item" href="#" data-toggle="popover" data-content="예제프로그램을 추가하세요">Disabled</a>
118
119
               120
```



Index.html - 모바일화면에서 사용할 로고 만들고 홈화면 추가 – localhost에서확인

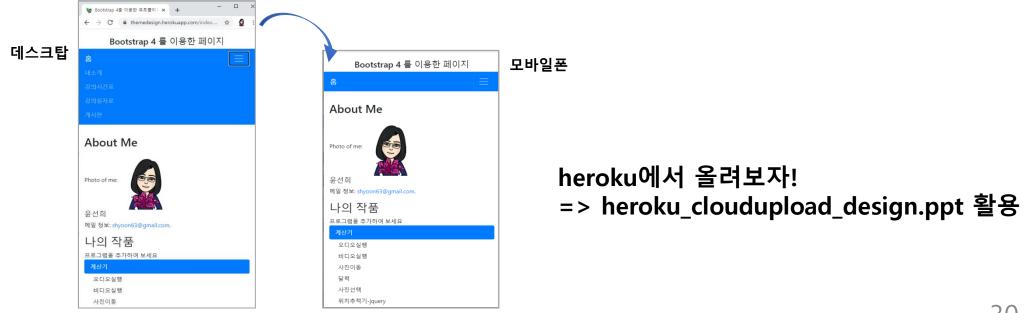
확인

https://themedesign.herokuapp.com 😘 Bootstrap 4을 이용한 포트폴리의 🗙 🔭 🕂 themedesign.herokuapp.com/index.html heroku에 themedesign(app이름)만들기 로컬실행에서 그림 (logo.png) 이 아래와 같이 로그파일을 만든 후 /imgs에 저장하고 index.html 소스 수정 브라우저 좌측 상단 홈 내소개 강의시간표 강의실자료 게시판 에 변경된 것을 - Android k rel="apple-touch-icon" sizes="180x180" href="imgs/logo.png" /> **About Me** - Apple k rel="icon" type="image/png" href="imgs/logo.png" sizes="192x192"/> Photo of me: 뒤에 배경색이 있어야 윤선희 없으면 검정색으로 메일 정보: shyoon63@gmail.com. 표시 logo.png logo_apple.png Android 기기: 192 X 192 픽셀 Apple 기기: 180 X 180 픽셀 홈화면 추가 1)안드로이드Mobile phone - url 입력 후 메뉴[│:│) - 홈화면추가 - 이름 붙이기(Map Tracker) 2)아이폰Mobile phone - 사파리브라우저(나침판)-url 입력 후 -가운데 밑에 버튼() 누른 후- 홈화면추가

index.html – 주소창을 보이지 않도록 하여 앱으로 보이도록 하기 – heroku에서 확인

index.html

■ Pt에서 복사하여 사용하면 보이지 않는 문자가 포함되어 실행이 안되는 경우 발생함!!!



감사합니다.