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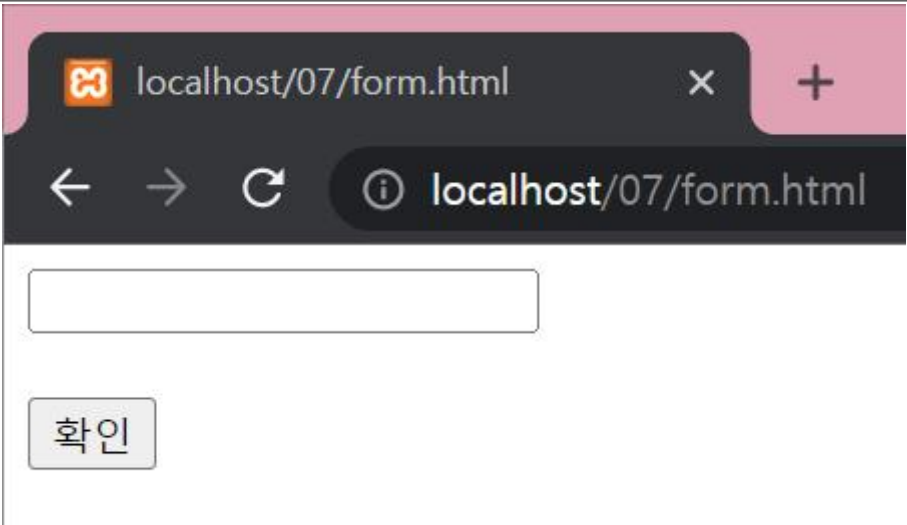
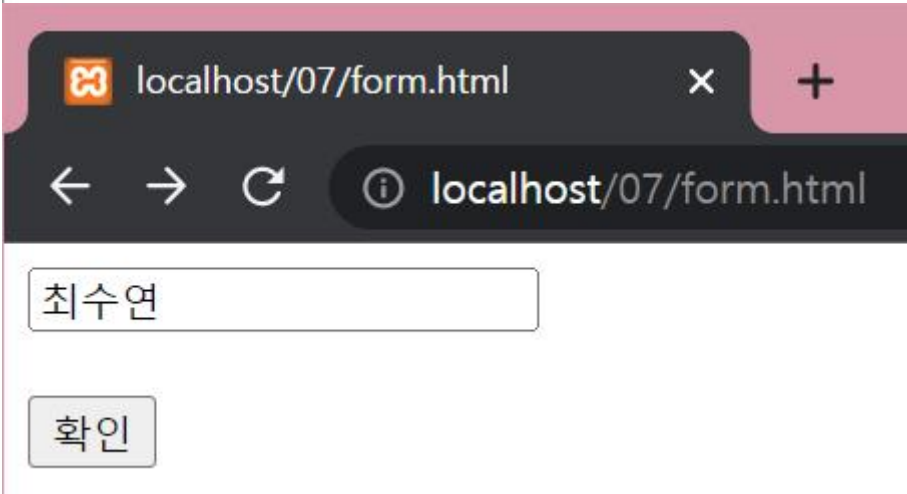
# R E P O R T

Chapter 07/08

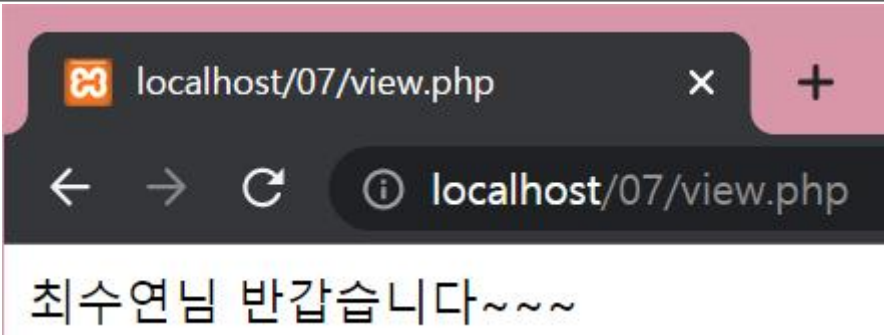
폼과 PHP/쿠키와 세션

과목명	웹프로그래밍
분반	1 분반
교수	문 일 영
학번	2020136129
이름	최 수 연
제출일	2022년 5월 3일 화요일

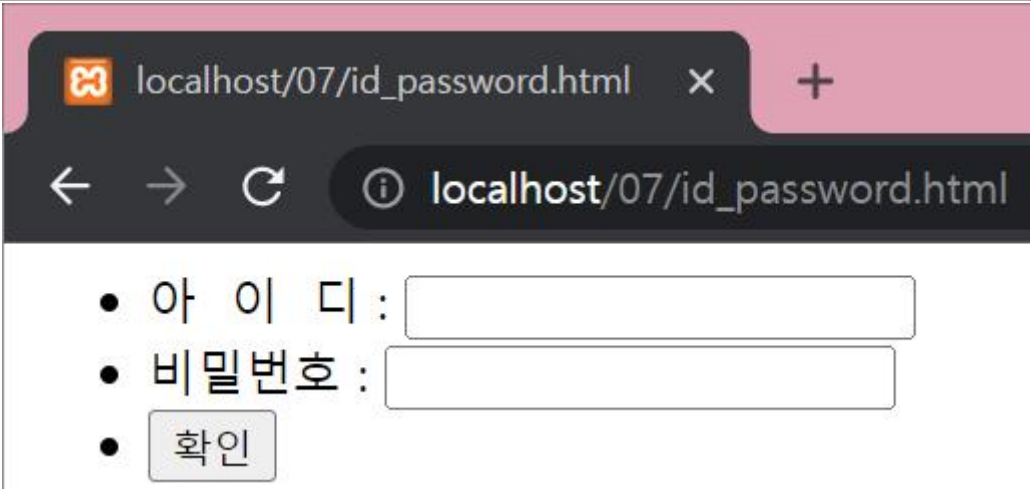
## 예제 7-1.

소스코드
<pre>&lt;html&gt; &lt;head&gt;   &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view.php"&gt;   &lt;input type="text" name="name1"&gt;   &lt;br&gt;&lt;br&gt;   &lt;input type="submit" value="확인"&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과
 

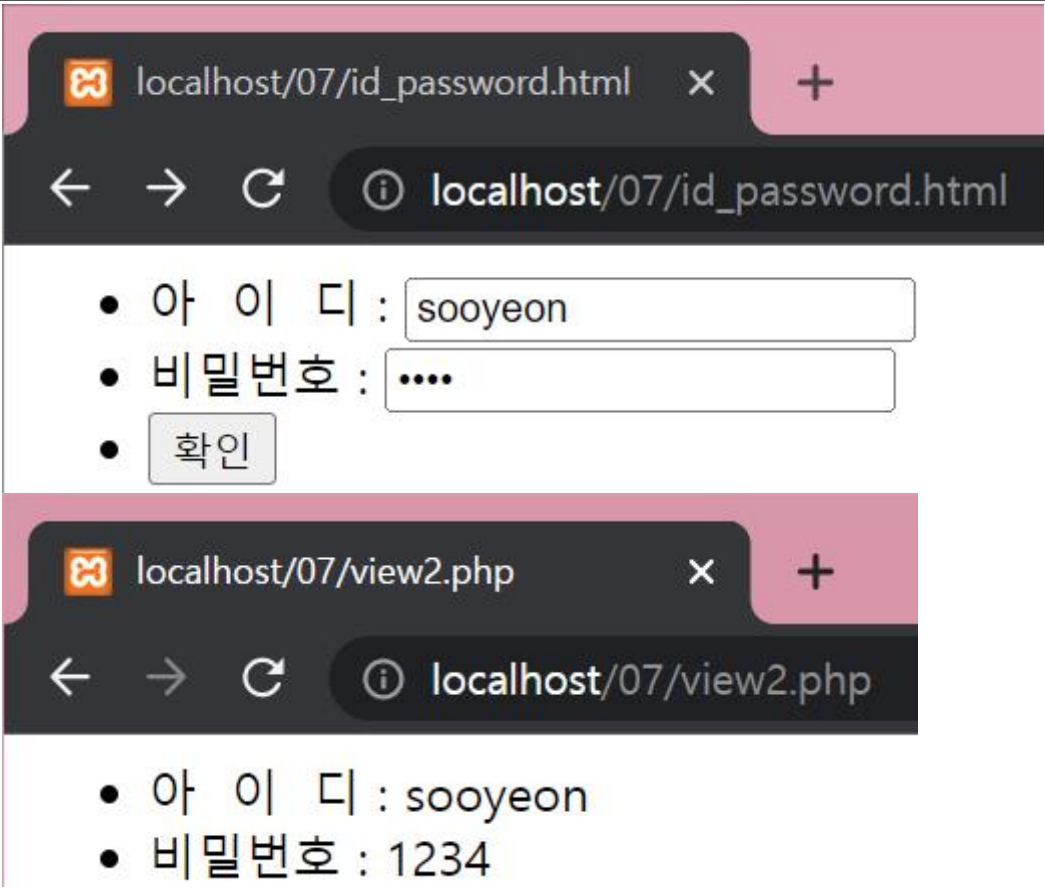
## 예제 7-2.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$name = \$_POST["name1"];     echo \$name."님 반갑습니다~~~"; ?&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


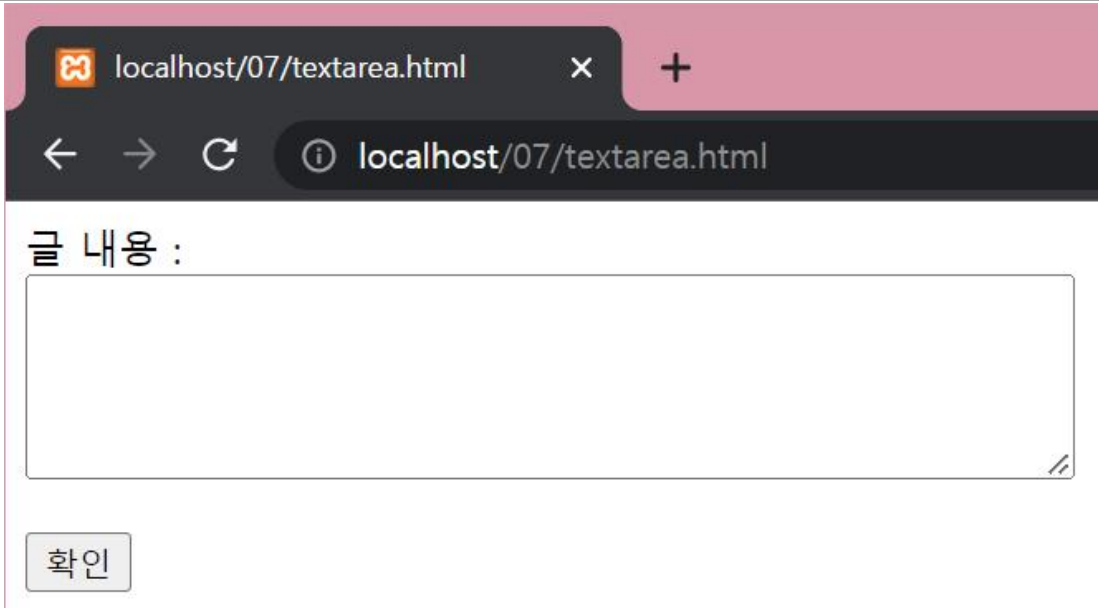
### 예제 7-3.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view2.php"&gt;   &lt;ul&gt;     &lt;li&gt;아 &amp;nbsp;이 &amp;nbsp;디 : &lt;input type="text" name="id"&gt;&lt;/li&gt;     &lt;li&gt;비밀번호 : &lt;input type="password" name="pass"&gt;&lt;/li&gt;     &lt;li&gt;&lt;input type="submit" value="확인"&gt;&lt;/li&gt;   &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과
 A screenshot of a web browser window. The address bar shows 'localhost/07/id_password.html'. The page content displays a list of three items: '아 이 디 :', '비밀번호 :', and a button labeled '확인'. Each item has a corresponding input field or button.

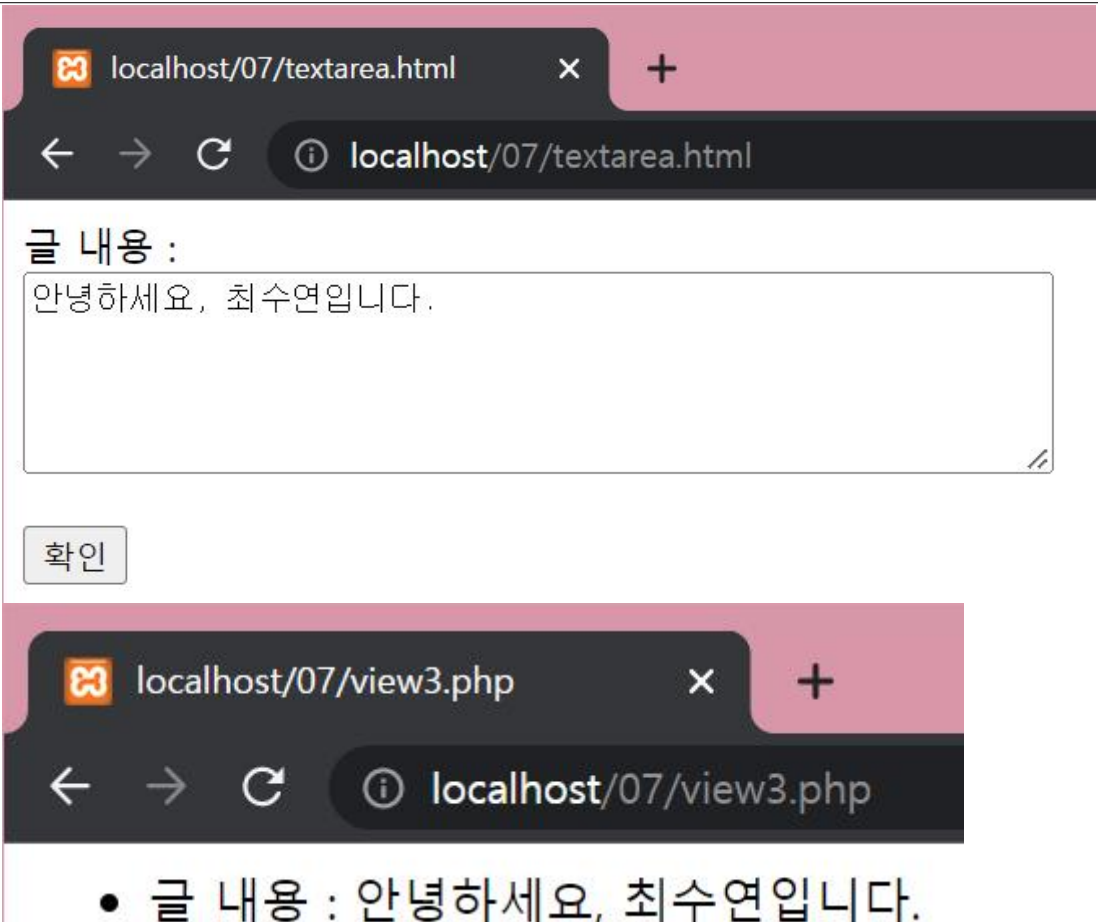
#### 예제 7-4.

<p><b>소스코드</b></p> <pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$id = \$_POST["id"];     \$pass = \$_POST["pass"]; ?&gt;      &lt;ul&gt;         &lt;li&gt;아 &amp;nbsp;이 &amp;nbsp;디 : &lt;?= \$id?&gt;&lt;/li&gt;         &lt;li&gt;비밀번호 : &lt;?= \$pass?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<p><b>실행결과</b></p>  <p>The first screenshot shows a web browser window with the address bar displaying 'localhost/07/id_password.html'. The page content includes a list with two items: '아 이 디 : sooyeon' and '비밀번호 : ...'. Below these is a button labeled '확인'.</p> <p>The second screenshot shows a web browser window with the address bar displaying 'localhost/07/view2.php'. The page content includes a list with two items: '아 이 디 : sooyeon' and '비밀번호 : 1234'.</p>

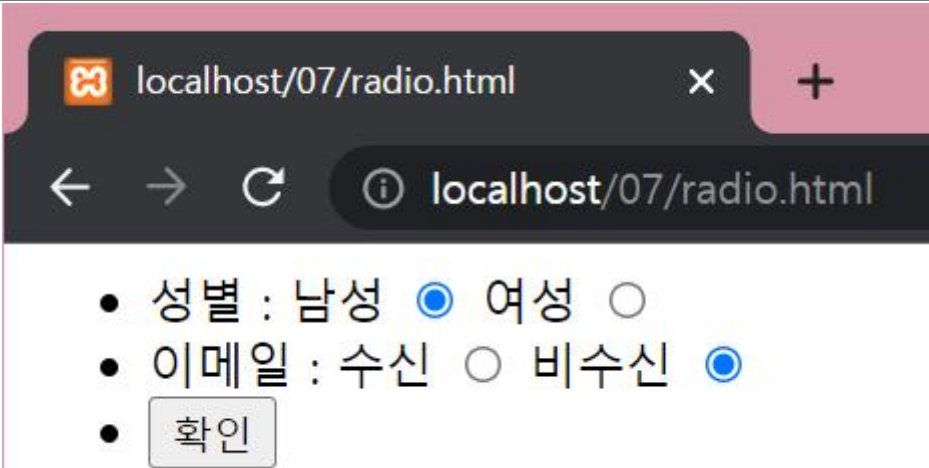
## 예제 7-5.

<b>소스코드</b>
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view3.php"&gt;     글 내용 :&lt;br&gt;     &lt;textarea rows="5" cols="60" name="content"&gt;&lt;/textarea&gt;     &lt;br&gt;&lt;br&gt;     &lt;input type="submit" value="확인"&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<b>실행결과</b>


## 예제 7-6.

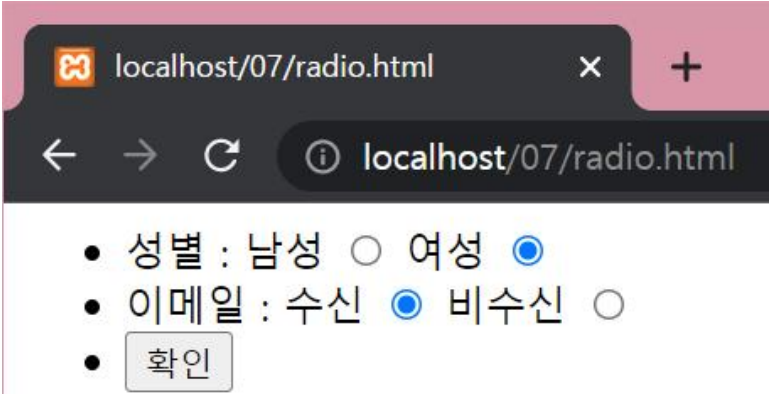
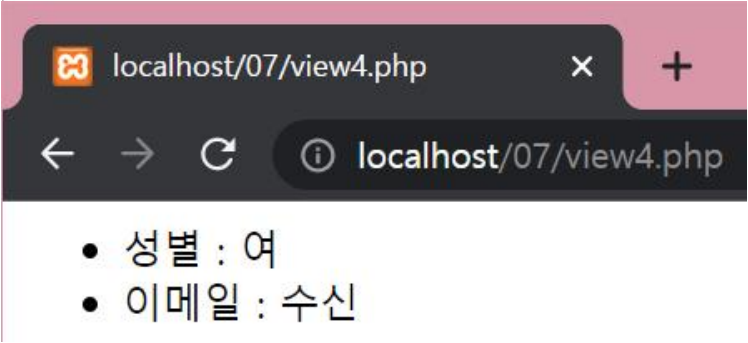
<p><b>소스코드</b></p> <pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$content = \$_POST["content"]; ?&gt;      &lt;ul&gt;         &lt;li&gt;글 내용 : &lt;?= \$content?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<p><b>실행결과</b></p>  <p>The screenshot shows two browser windows. The top window is titled 'localhost/07/textarea.html' and displays a form with the label '글 내용 :' and a text input field containing '안녕하세요, 최수연입니다.'. Below the input field is a button labeled '확인'. The bottom window is titled 'localhost/07/view3.php' and displays the rendered output: '글 내용 : 안녕하세요, 최수연입니다.'</p>

## 예제 7-7.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view4.php"&gt;   &lt;ul&gt;     &lt;li&gt;성별 : 남성 &lt;input type="radio" name="gender" value="남" checked&gt;       여성 &lt;input type="radio" name="gender" value="여"&gt;     &lt;/li&gt;     &lt;li&gt;이메일 : 수신 &lt;input type="radio" name="email_ok" value="예"&gt;       비수신 &lt;input type="radio" name="email_ok" value="아니요" checked&gt;     &lt;/li&gt;     &lt;li&gt;&lt;input type="submit" value="확인"&gt;&lt;/li&gt;   &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과




## 예제 7-8.

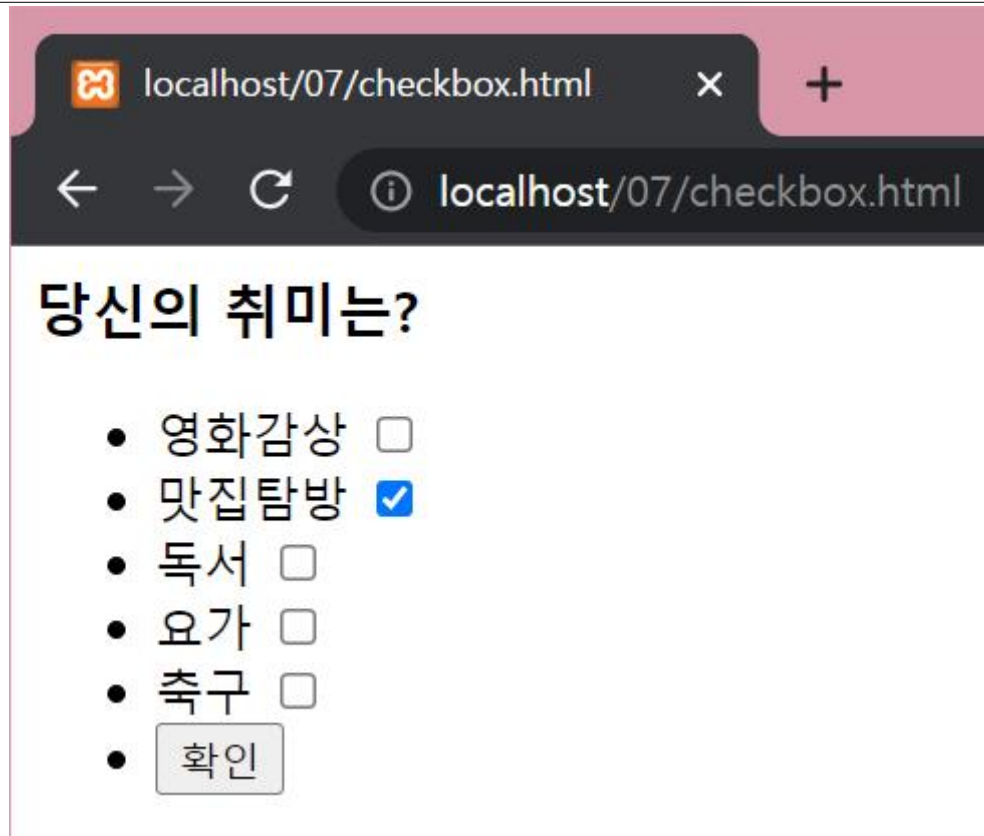
소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$gender = \$_POST["gender"];     \$email_ok = \$_POST["email_ok"];     if (\$email_ok == "예")         \$email = "수신";     else         \$email = "비수신"; ?&gt;      &lt;ul&gt;         &lt;li&gt;성별 : &lt;?= \$gender?&gt;&lt;/li&gt;         &lt;li&gt;이메일 : &lt;?= \$email?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과
 

## 예제 7-9.

### 소스코드

```
<html>
<head>
<meta charset="utf-8">
<link href="style.css" rel="stylesheet">
</head>
<body>
<form name="form1" method="post" action="view5.php">
  <h3>당신의 취미는?</h3>
  <ul>
    <li>영화감상 <input type="checkbox" name="hobby[]" value="영화감상"></li>
    <li>맛집탐방 <input type="checkbox" name=" hobby[]" value="맛집탐방"
checked></li>
    <li>독서 <input type="checkbox" name=" hobby[]" value="독서"></li>
    <li>요가 <input type="checkbox" name=" hobby[]" value="요가"></li>
    <li>축구 <input type="checkbox" name=" hobby[]" value="축구"></li>
    <li><input type="submit" value="확인"></li>
  </ul>
</form>
</body>
</html>
```

### 실행결과



The screenshot shows a web browser window with the address bar displaying 'localhost/07/checkbox.html'. The page content is as follows:

당신의 취미는?

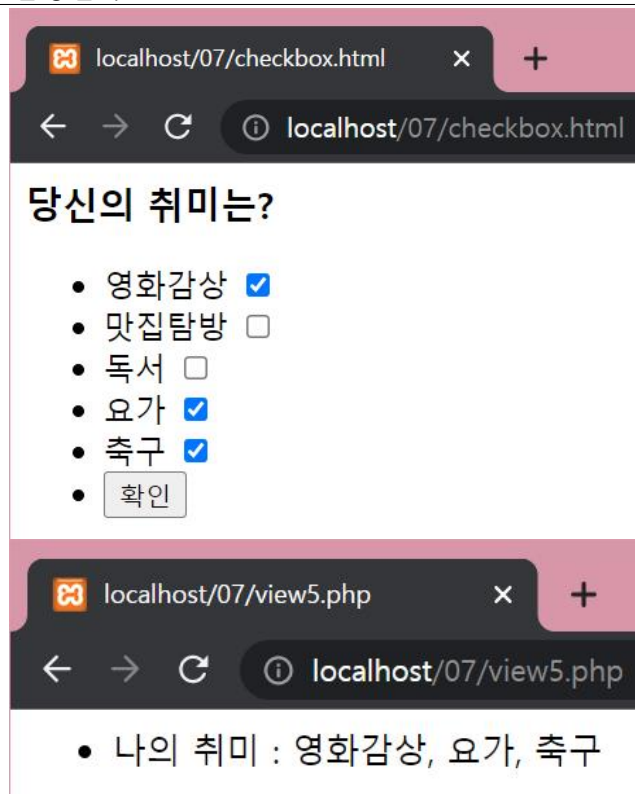
- 영화감상 ☐
- 맛집탐방 ☒
- 독서 ☐
- 요가 ☐
- 축구 ☐
-

## 예제 7-10.

### 소스코드

```
<html>
<head>
<meta charset="utf-8">
<link href="style.css" rel="stylesheet">
</head>
<body>
    <ul>
        <li>나의 취미 :
            <?php
                $num = count($_POST["hobby"]);
                for ($i = 0; $i < $num; $i++) {
                    echo $_POST["hobby"][$i];
                    if ($i != $num - 1)
                        echo ", ";
                }
            ?>
        </li>
    </ul>
</body>
</html>
```

### 실행결과

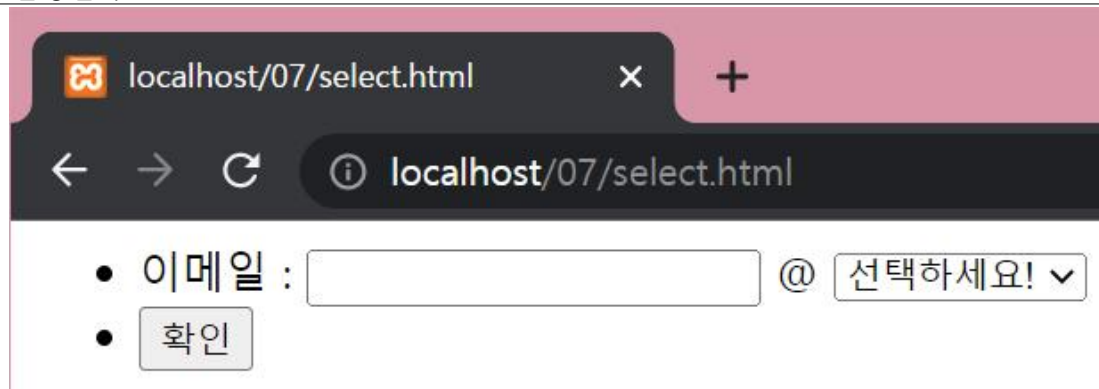


## 예제 7-11.

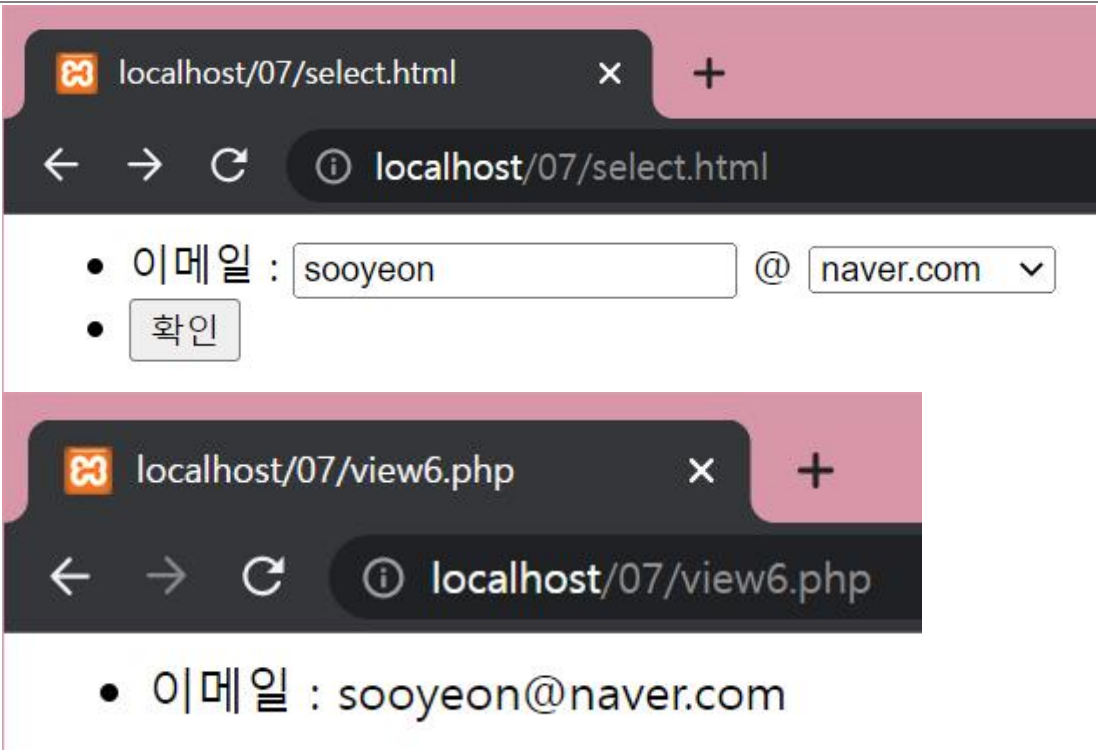
### 소스코드

```
<html> <head>
<meta charset="utf-8">
<link href="style.css" rel="stylesheet">
</head>
<body>
<form name="form1" method="post" action="view6.php">
    <ul>
        <li>이메일 : <input type="text" name="email1"> @
            <select name="email2">
                <option value="" selected>선택하세요!</option>
                <option value="naver.com">naver.com</option>
                <option value="google.com">gmail.com</option>
                <option value="hanmail.net">hanmail.net</option>
            </select>
        </li>
        <li><input type="submit" value="확인"></li>
    </ul>
</form>
</body> </html>
```

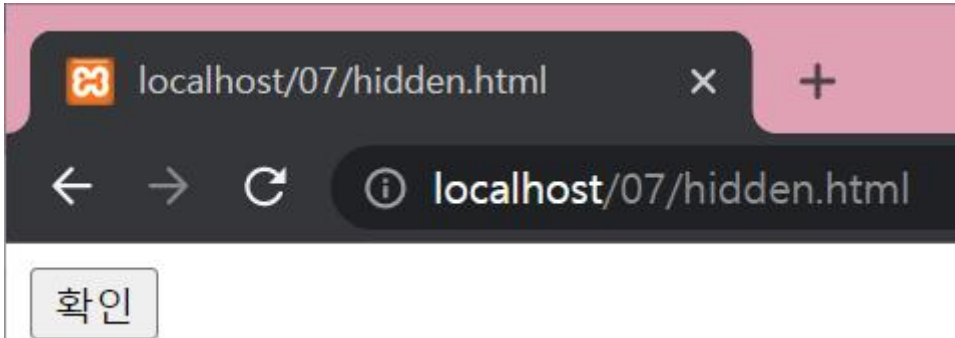
### 실행결과



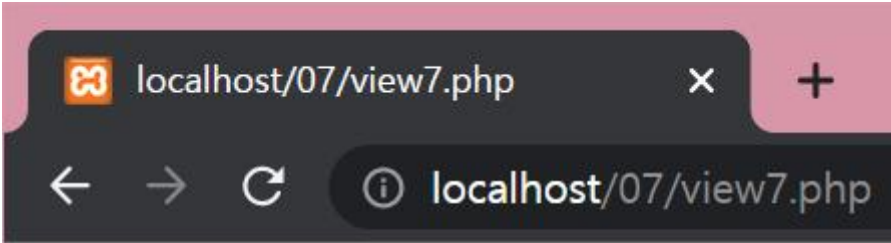
## 예제 7-12.

<b>소스코드</b>
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;?php     \$email1 = \$_POST["email1"];     \$email2 = \$_POST["email2"]; ?&gt; &lt;body&gt;     &lt;ul&gt;         &lt;li&gt;이메일 : &lt;?php echo \$email1."@".\$email2; ?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<b>실행결과</b>
 <p>The screenshot shows two browser windows. The top window, titled 'localhost/07/select.html', displays a form with the label '이메일 :'. It contains a text input field with 'sooyeon', an '@' symbol, and a dropdown menu showing 'naver.com'. Below the form is a button labeled '확인'. The bottom window, titled 'localhost/07/view6.php', displays the result: '이메일 : sooyeon@naver.com'.</p>

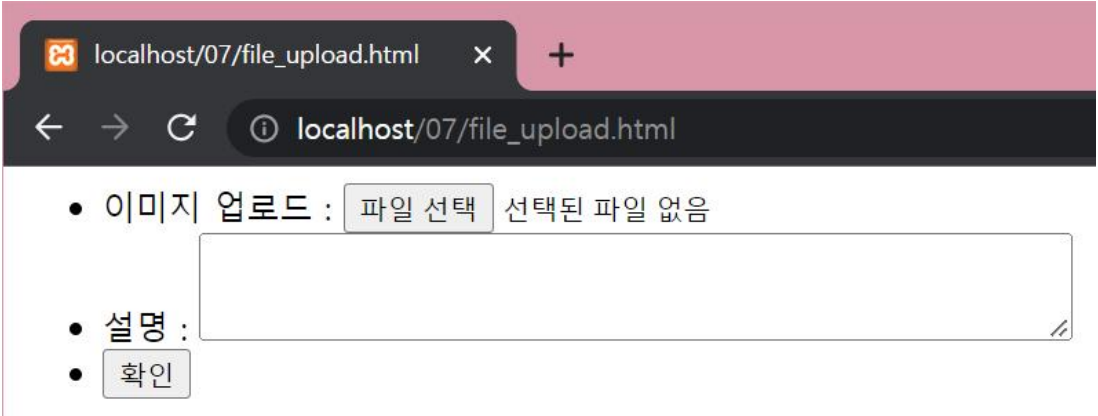
### 예제 7-13.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view7.php"&gt;     &lt;input type="hidden" name="userid" value="admin"&gt;     &lt;input type="submit" value="확인"&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


## 예제 7-14.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;?php     \$userid = \$_POST["userid"]; ?&gt; &lt;body&gt;     &lt;ul&gt;         &lt;li&gt;관리자 아이디 : &lt;?= \$userid?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과
 <p>• 관리자 아이디 : admin</p>

## 예제 7-15.

소스코드
<pre> &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="view8.php"       enctype="multipart/form-data"&gt;   &lt;ul&gt;     &lt;li&gt;이미지 업로드 : &lt;input type="file" name="upload"&gt;&lt;/li&gt;     &lt;li&gt;설명      :      &lt;textarea      name="comment"      rows="3" cols="60"&gt;&lt;/textarea&gt;&lt;/li&gt;     &lt;li&gt;&lt;input type="submit" value="확인"&gt;&lt;/li&gt;   &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt; </pre>
실행결과
 <p>• 이미지 업로드 : 파일 선택 선택된 파일 없음</p> <p>• 설명 :</p> <p>• 확인</p>



## 예제 7-16.

### 소스코드

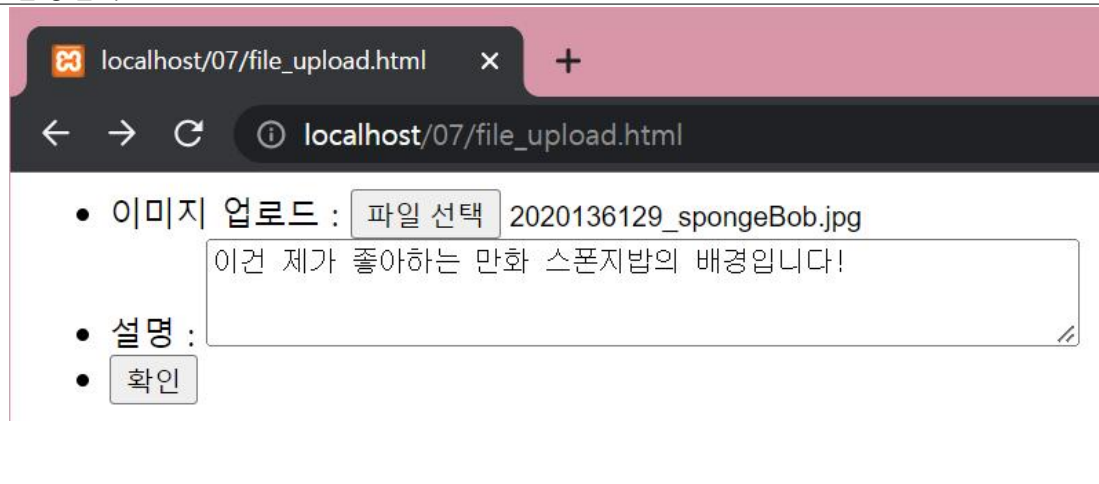
```
<html> <head>
<meta charset="utf-8">
<link href="style.css" rel="stylesheet">
</head>
<body>
<?php
    $file_dir = "C:/xampp/htdocs/07/data/";
    $file_path = $file_dir.$_FILES["upload"]["name"];
    if (move_uploaded_file($_FILES["upload"]["tmp_name"], $file_path)) {
        $img_path = "data/".$_FILES["upload"]["name"];
    ?>

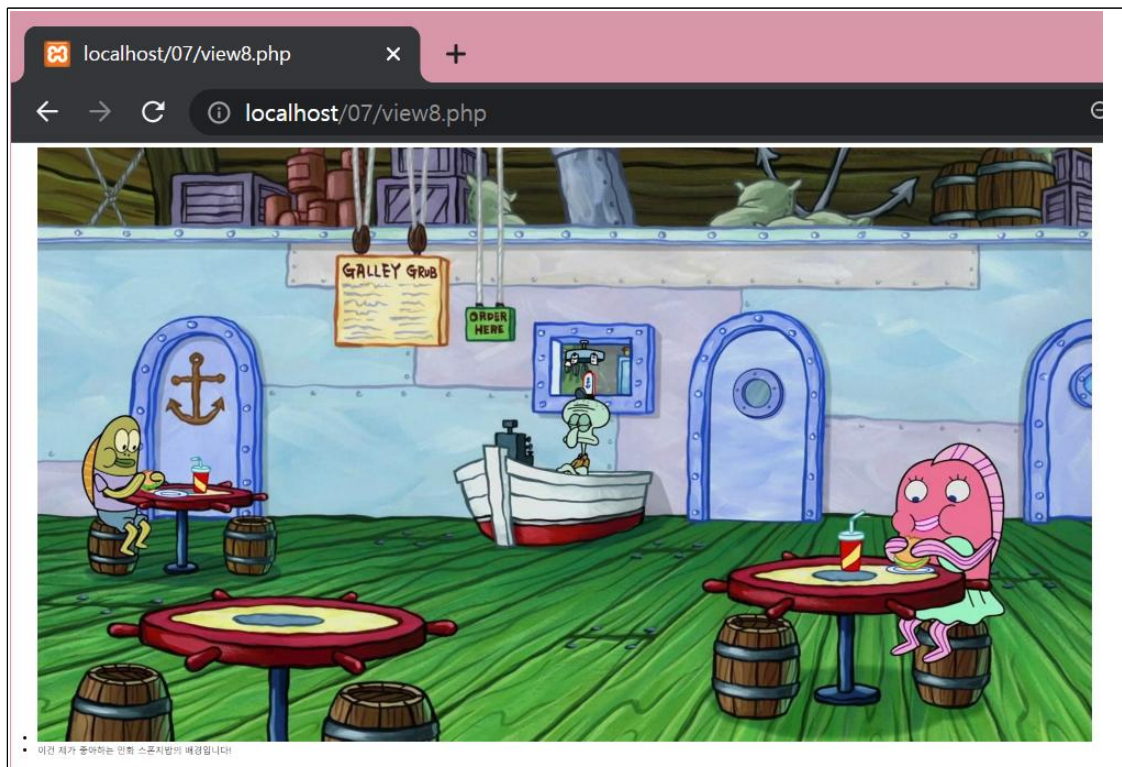
    <ul>

        <li></li>
        <li><?= $_POST["comment"]?></li>

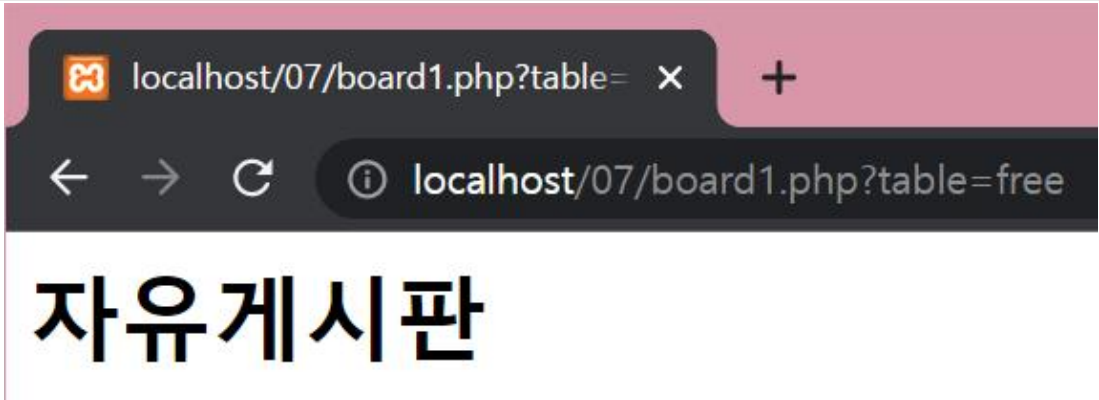
    </ul>
<?php
    }
    else {
        echo "파일 업로드 오류가 발생했습니다!!!";
    }
?>
</body>
</html>
```

### 실행결과





## 예제 7-17.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$table = \$_GET["table"];     if (\$table == "free")         \$board_title = "자유게시판";     elseif (\$table == "download")         \$board_title = "자료실";     elseif (\$table == "notice")         \$board_title = "공지사항";     else         \$board_title = "문의게시판"; ?&gt;     &lt;h1&gt;&lt;?= \$board_title?&gt;&lt;/h1&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


## 예제 7-18.

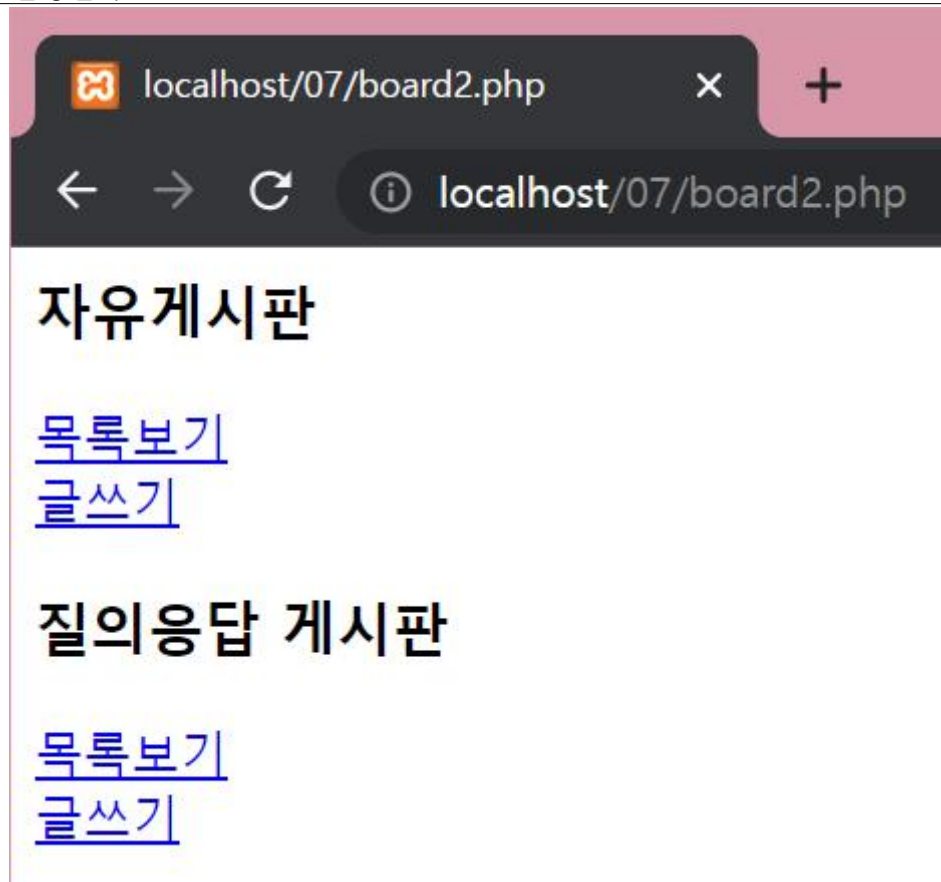
### 소스코드

```
<html> <head>
<meta charset="utf-8">
</head>
<body>
<?php
    $table1 = "free";
    $table2 = "qna";
?>

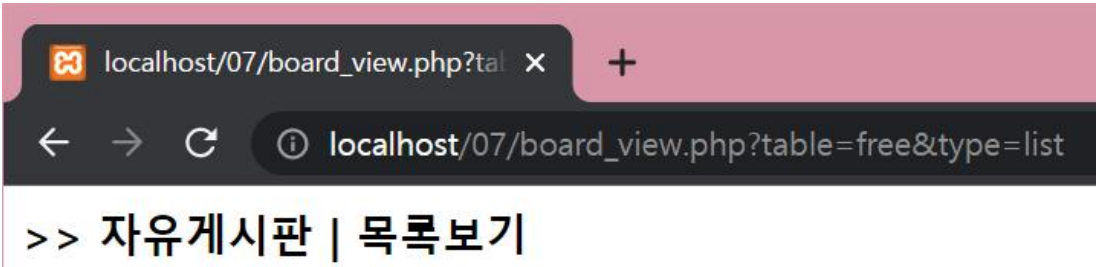
    <h3>자유게시판</h3>
    <a href="board_view.php?table=<?=$table1?>&type=list"> 목록보기</a>
    <br>
    <a href="board_view.php?table=<?=$table1?>&type=write"> 글쓰기</a>
    <h3>질의응답 게시판</h3>
    <a href="board_view.php?table=<?=$table2?>&type=list"> 목록보기</a>
    <br>
    <a href="board_view.php?table=<?=$table2?>&type=write"> 글쓰기</a>

</body> </html>
```

### 실행결과

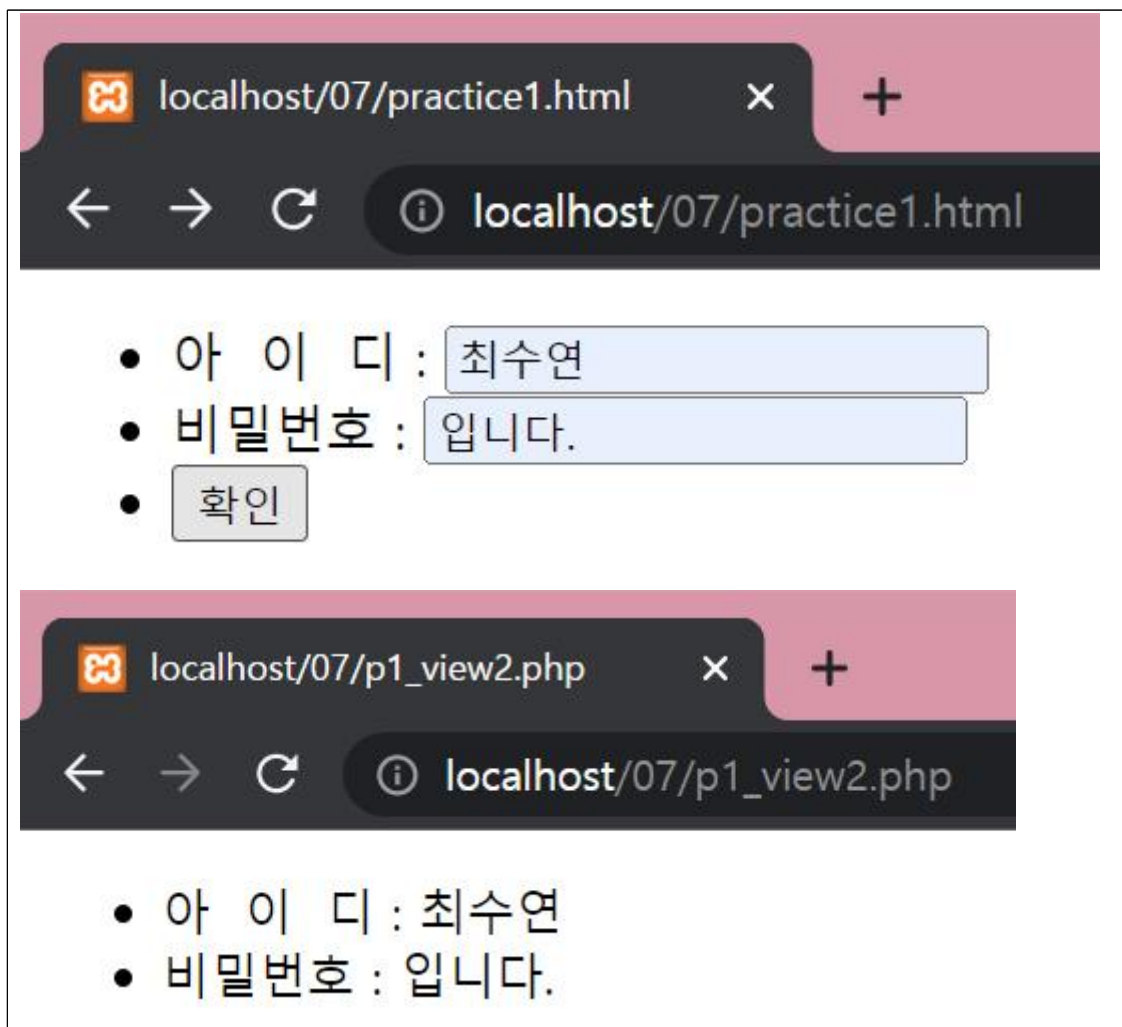


## 예제 7-19.

소스코드
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$table = \$_GET["table"];     \$type = \$_GET["type"];     if (\$table == "free")         \$board_title = "자유게시판";     if (\$table == "qna")         \$board_title = "질의응답 게시판";     if (\$type == "list")         \$type_title = "목록보기";     if (\$type == "write")         \$type_title = "글쓰기"; ?&gt;  &lt;h3&gt;     &lt;?php         echo "&gt;&gt; ".\$board_title."   ".\$type_title;     ?&gt; &lt;/h3&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


## 연습문제 7-1.

<b>practice1.html</b>
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;form name = "form1" method="post" action="p1_view2.php"&gt;     &lt;ul&gt;         &lt;li&gt;아 &amp;nbsp;이 &amp;nbsp;디 : &lt;input type="text" name="id"&gt;&lt;/li&gt;         &lt;li&gt;비밀번호 : &lt;input type="text" name="pass"&gt;&lt;/li&gt;         &lt;li&gt;&lt;input type="submit" value="확인"&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt; </pre>
<b>p1_view2.php</b>
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$id = \$_POST["id"];     \$pass = \$_POST["pass"]; ?&gt;     &lt;ul&gt;         &lt;li&gt;아 &amp;nbsp;이 &amp;nbsp;디 : &lt;?= \$id?&gt;&lt;/li&gt;         &lt;li&gt;비밀번호 : &lt;?= \$pass?&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt; </pre>
<b>실행결과</b>



## 연습문제 7-2.

<b>practice2.html</b>
<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="p2_view5.php"&gt;     &lt;h3&gt;당신의 취미는?&lt;/h3&gt;     &lt;ul&gt;         &lt;li&gt;영화감상 &lt;input type="checkbox" name = "hobby[]" value = "영 화감상"&gt;&lt;/li&gt;         &lt;li&gt;맛집탐방 &lt;input type="checkbox" name = "hobby[]" value = "맛 집탐방" checked&gt;&lt;/li&gt;         &lt;li&gt;독서 &lt;input type="checkbox" name = "hobby[]" value = "독서 "&gt;&lt;/li&gt;         &lt;li&gt;요가 &lt;input type="checkbox" name = "hobby[]" value = "요가 "&gt;&lt;/li&gt;         &lt;li&gt;축구 &lt;input type="checkbox" name = "hobby[]" value = "축구 "&gt;&lt;/li&gt;         &lt;li&gt; &lt;input type="submit" value = "확인"&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<b>p2_view5.php</b>
<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt;     &lt;ul&gt;         &lt;li&gt;나의 취미;             &lt;?php                 \$num = count(\$_POST["hobby"]);</pre>

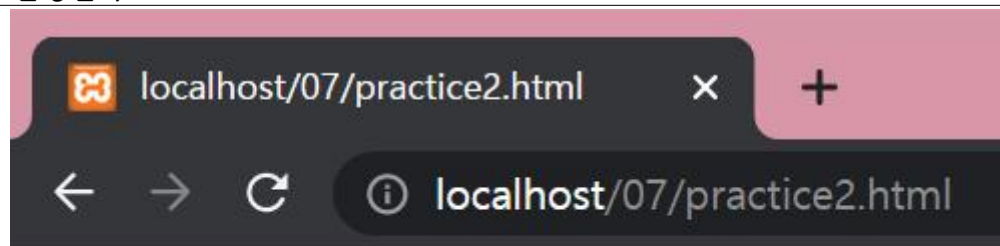


```

        for($i = 0; $i < $num ; $i++){
            echo $_POST["hobby"][$i];
            if($i != $num - 1)
                echo ", ";
        }
    ?>
</li>
</ul>
</body>
</html>

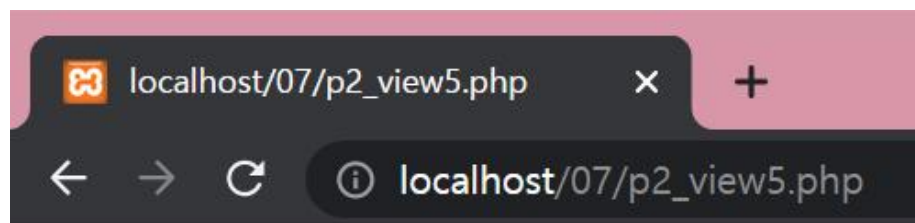
```

실행결과



## 당신의 취미는?

- 영화감상 ☒
- 맛집탐방 ☒
- 독서 ☒
- 요가 ☐
- 축구 ☐
- 



- 나의 취미; 영화감상, 맛집탐방, 독서

### 연습문제 7-3.

<b>practice3.html</b>
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="p3_view4.php"&gt;     &lt;ul&gt;         &lt;li&gt;성별 : 남성 &lt;input type="radio" name="gender" value="남" checked&gt;                                 여성 &lt;input type="radio" name="gender" value="여 "&gt;         &lt;/li&gt;         &lt;li&gt;이메일 : 수신 &lt;input type="radio" name="email_ok" value="예"&gt;         비수신 &lt;input type="radio" name="email_ok" value="아니요" checked&gt;         &lt;/li&gt;         &lt;li&gt;&lt;input type = "submit" value = "확인"&gt;&lt;/li&gt;     &lt;/ul&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt; </pre>
<b>p3_view4.php</b>
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$gender = \$_POST["gender"];     \$email_ok = \$_POST["email_ok"];     if(\$email_ok == "예")         \$email = "수신"; </pre>

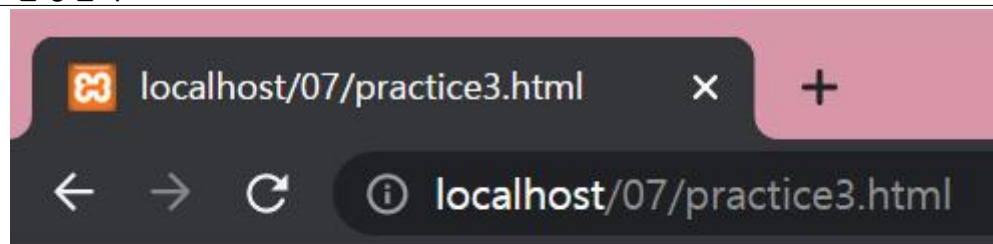
```

else
    $email = "비수신";
?>

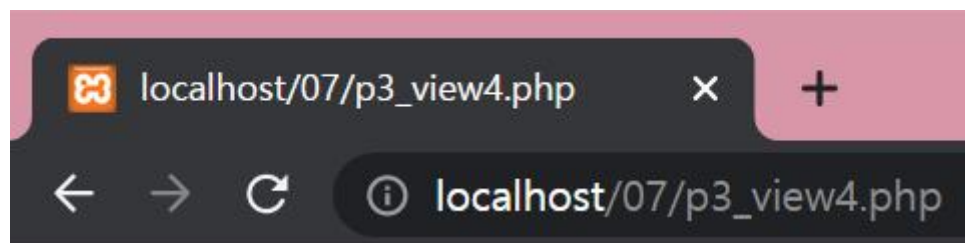
<ul>
    <li>성별 : <?= $gender?></li>
    <li>이메일 : <?= $email?></li>
</ul>
</body>
</html>

```

#### 실행결과



- 성별 : 남성 ☐ 여성 ☒
- 이메일 : 수신 ☒ 비수신 ☐
- 

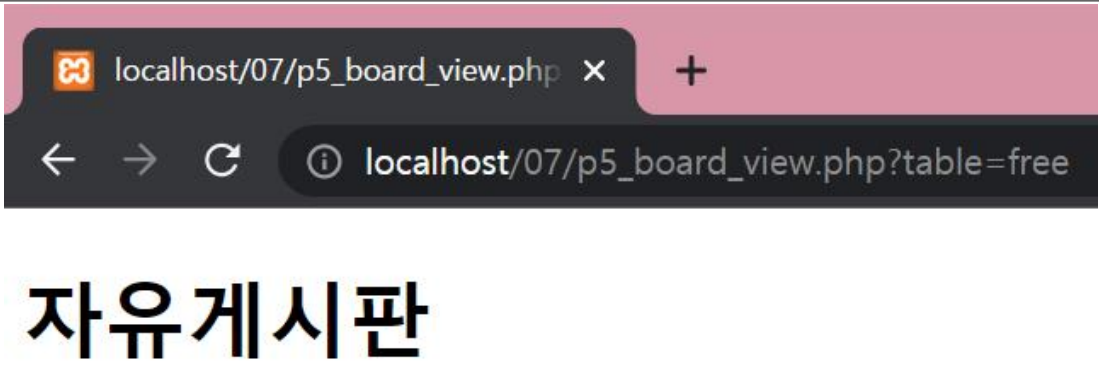


- 성별 : 여
- 이메일 : 수신

## 연습문제 7-4.

04. 업로드 파일의 name 속성을 “upload”로 설정했을 때 업로드된 파일을 처리하는 쪽에서 사용하는 다음 변수의 의미를 간단히 설명하시오.
①\$_FILES[“upload”][“name”] => 업로드된 파일명
②\$_FILES[“upload”][“type”] => 업로드된 파일의 데이터형
③\$_FILES[“upload”][“size”] => 업로드된 파일의 크기(바이트)
④\$_FILES[“upload”][“tmp_name”] => 서버에 저장된 파일명
⑤\$_FILES[“upload”][“error”] => 업로드 시 발생한 오류 코드

## 연습문제 7-5.

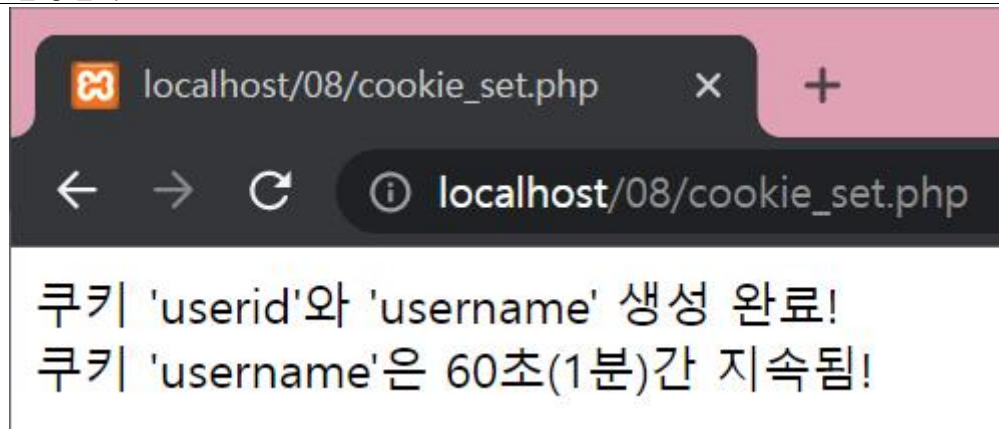
<b>p5_board_view.php</b>
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     \$table = \$_GET["table"];     if(\$table == "free")         \$board_title = "자유게시판";     else         \$board_title = "공지사항"; ?&gt;     &lt;h1&gt;&lt;?= \$board_title?&gt;&lt;/h1&gt; &lt;/body&gt; &lt;/html&gt; </pre>
<b>실행결과</b>


## 예제 8-1.

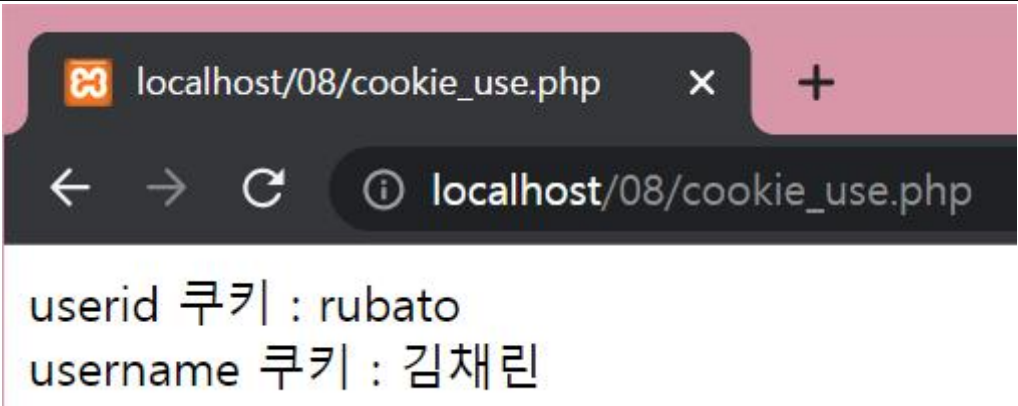
### 소스코드

```
<?php
    $a = setcookie("userid", "rubato");
    $b = setcookie("username","김채린", time()+60);
    if ($a and $b)
    {
        echo "쿠키 'userid'와 'username' 생성 완료!<br>";
        echo "쿠키 'username'은 60초(1분)간 지속됨!";
    }
?>
```

### 실행결과



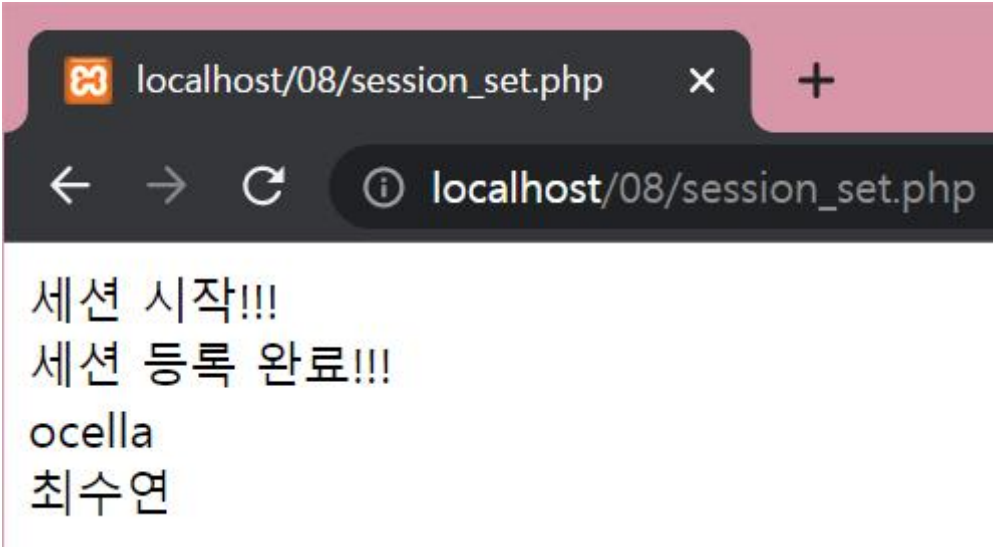
## 예제 8-2.

소스코드
<pre>&lt;?php     if (isset(\$_COOKIE["userid"]) &amp;&amp; isset(\$_COOKIE["username"]))     {         \$userid = \$_COOKIE["userid"];         \$username = \$_COOKIE["username"];         echo "userid 쿠키 : " . \$userid."&lt;br&gt;";         echo "username 쿠키 : " . \$username."&lt;br&gt;";     }     else     {         echo "쿠키가 생성되지 않았다!";     } ?&gt;</pre>
실행결과
 <p>userid 쿠키 : rubato username 쿠키 : 김채린</p>

### 예제 8-3.

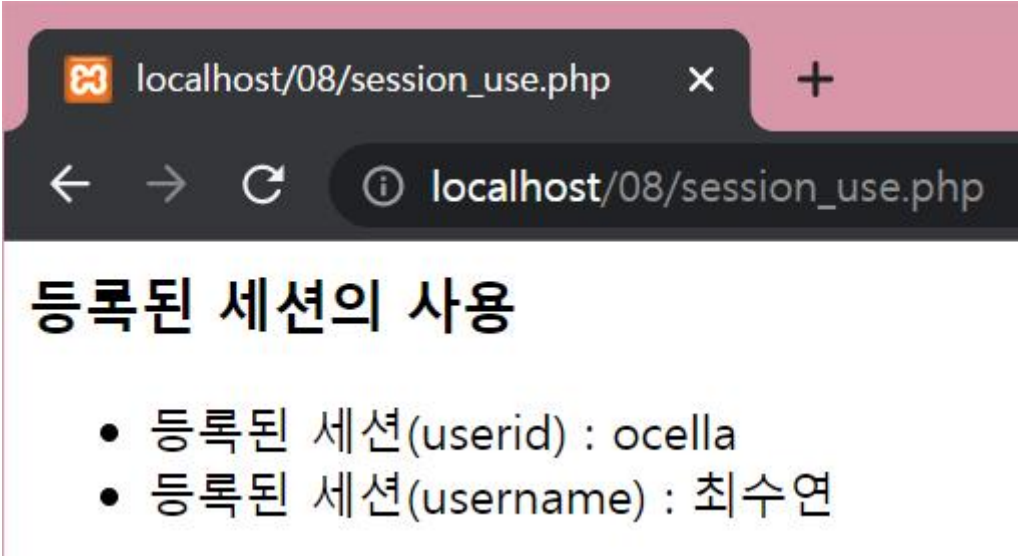
소스코드
<pre>&lt;?php     setcookie("userid", "", time() - 3600);     setcookie("username", "", time() - 3600); ?&gt; &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     {         echo "userid와 username 쿠키가 삭제되었다!";     } ?&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과

#### 예제 8-4.

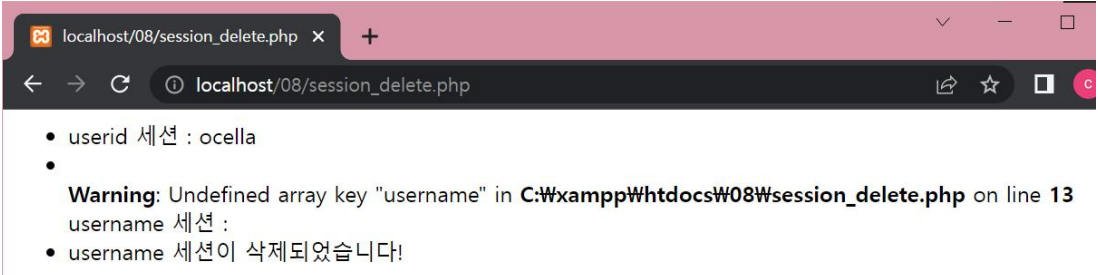
<b>소스코드</b>
<pre>&lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;?php     session_start();     echo "세션 시작!!!&lt;br&gt;";     \$_SESSION['userid'] = "ocella";     \$_SESSION['username'] = "최수연";     echo '세션 등록 완료!!!&lt;br&gt;';     echo \$_SESSION['userid']. "&lt;br&gt;";     echo \$_SESSION['username']. "&lt;br&gt;"; ?&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<b>실행결과</b>




## 예제 8-5.

소스코드
<pre>&lt;?php     session_start();     \$userid = \$_SESSION["userid"];     \$username = \$_SESSION["username"]; ?&gt; &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;/head&gt; &lt;body&gt; &lt;h3&gt;등록된 세션의 사용&lt;/h3&gt; &lt;ul&gt;     &lt;li&gt;등록된 세션(userid) : &lt;?= \$userid?&gt;&lt;/li&gt;     &lt;li&gt;등록된 세션(username) : &lt;?= \$username?&gt;&lt;/li&gt; &lt;/ul&gt; &lt;/table&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


## 예제 8-6.

소스코드
<pre>&lt;?php     session_start();     unset(\$_SESSION["username"]); ?&gt; &lt;html&gt; &lt;head&gt; &lt;meta charset="utf-8"&gt; &lt;link href="../css/style.css" rel="stylesheet"&gt; &lt;/head&gt; &lt;body&gt; &lt;ul&gt;     &lt;li&gt;&lt;?= "userid 세션 : ".\$_SESSION["userid"]."&lt;br&gt;" ?&gt;&lt;/li&gt;     &lt;li&gt;&lt;?= "username 세션 : ".\$_SESSION["username"]."&lt;br&gt;" ?&gt;&lt;/li&gt;     &lt;li&gt;&lt;?= "username 세션이 삭제되었습니다!" ?&gt;&lt;/li&gt; &lt;/ul&gt; &lt;/body&gt; &lt;/html&gt;</pre>
실행결과


### 연습문제 8-1.

01. 다음은 쿠키와 세션에 관한 설명이다. 맞으면 O, 틀리면 X 표시를 하시오.
① 쿠키는 웹페이지에 접속할 때 웹 서버가 사용자의 컴퓨터에 저장하는 데이터이다. (O)
② 쿠키를 사용하면 사용자의 컴퓨터에서 아이디와 비밀번호를 기억할 수 있다. (O)
③ 세션은 쿠키보다 사용법이 간단하지만 보안성이 더 취약하다. (X)
=> 풀이) 사용자의 컴퓨터에 저장되는 쿠키와 달리 세션은 사용자의 컴퓨터와 웹 서버에 모두 정보를 저장하여 보안성이 강하다.
④ 세션은 쿠키와 달리 사용자의 컴퓨터와 웹 서버에 세션 정보를 저장한다. (O)
⑤ 세션은 쿠키보다 보안성이 더 강하다. (O)

### 연습문제 8-2.

02. 쿠키와 세션에 관한 물음에 답하시오.
① 쿠키를 생성할 때 사용하는 함수는 무엇인가?
=> 답) setcookie() 함수
② 세션을 초기화하는데 사용하는 함수는 무엇인가?
=> 답) session_start() 함수
③ 세션을 삭제하는 데 사용하는 함수는 무엇인가?
=> 답) unset() 함수

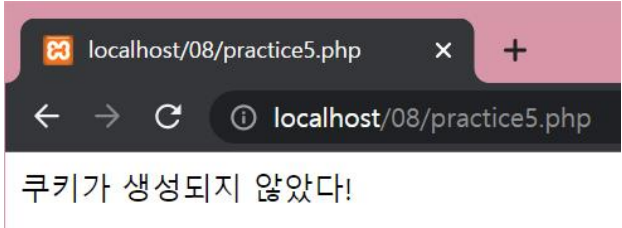
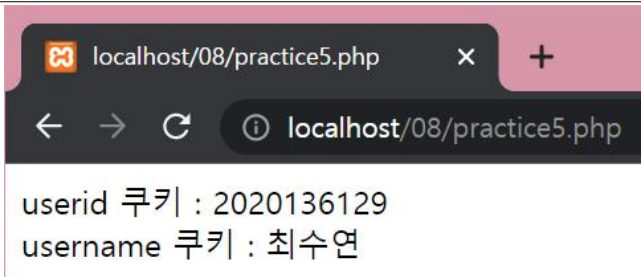
### 연습문제 8-3.

03. 생성된 쿠키인 userid를 불러오는 데 사용하는 변수는 무엇인가?
① \$_COOKIE["userid"]
② \$_POST["userid"]
③ \$_GET["userid"]
④ \$_SERVER["userid"]
정답) ①
풀이) 생성된 쿠키는 \$_COOKIE["쿠키이름"]을 통해 접근할 수 있다.

### 연습문제 8-4.

04. 등록된 세션인 userid를 불러오는 데 사용하는 변수는 무엇인가?
① \$_COOKIE["userid"]
② \$_POST["userid"]
③ \$_SESSION["userid"]
④ \$_SERVER["userid"]
정답) ③
풀이) 생성된 세션 변수는 \$_SESSION["세션변수이름"]으로 접근할 수 있다.

## 연습문제 8-5.

소스코드
<pre>&lt;?php     if (isset(\$_COOKIE["userid"]) &amp;&amp; isset(\$_COOKIE["username"]))     {         \$userid = \$_COOKIE["userid"];         \$username = \$_COOKIE["username"];          echo "userid 쿠키 : ".\$userid."&lt;br&gt;";         echo "username 쿠키 : ".\$username."&lt;br&gt;";     }     else { echo "쿠키가 생성되지 않았다!"; }</pre>
실행결과
 <p>쿠키가 생성되지 않았다!</p>
소스코드
<pre>&lt;?php     \$a = setcookie("userid", "2020136129");     \$b = setcookie("username", "최수연");      if (isset(\$_COOKIE["userid"]) &amp;&amp; isset(\$_COOKIE["username"]))     {         \$userid = \$_COOKIE["userid"];         \$username = \$_COOKIE["username"];          echo "userid 쿠키 : ".\$userid."&lt;br&gt;";         echo "username 쿠키 : ".\$username."&lt;br&gt;";     }     else { echo "쿠키가 생성되지 않았다!"; }</pre>
 <p>userid 쿠키 : 2020136129 username 쿠키 : 최수연</p>

## 연습문제 8-6.

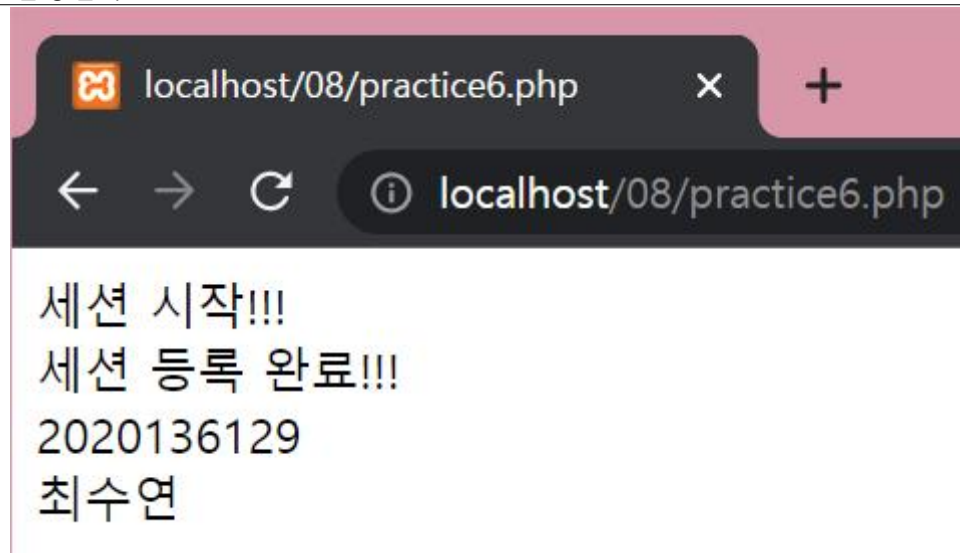
### 소스코드

```
<?php
    session_start();
    echo "세션 시작!!!<br>";

    $_SESSION['userid'] = "2020136129";
    $_SESSION['username'] = "최수연";
    echo "세션 등록 완료!!!<br>";

    echo $_SESSION['userid']."<br>";
    echo $_SESSION['username']."<br>";
?>
```

### 실행결과



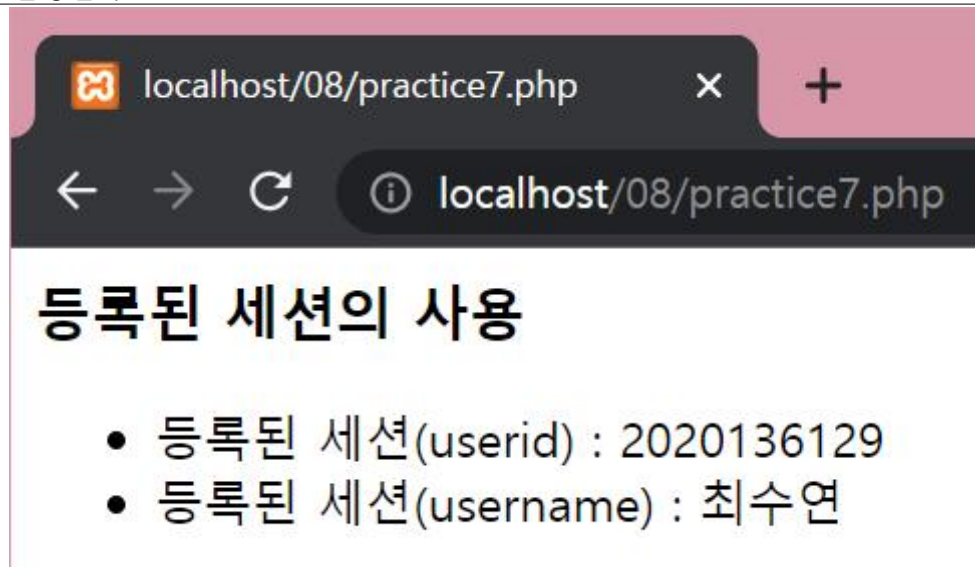
## 연습문제 8-7.

### 소스코드

```
<?php
    session_start();

    $userid = $_SESSION["userid"];
    $username = $_SESSION["username"];
?>
<html>
<head>
<meta charset="utf-8">
</head>
<body>
<h3>등록된 세션의 사용</h3>
<ul>
    <li>등록된 세션(userid) : <?= $userid?></li>
    <li>등록된 세션(username) : <?= $username?></li>
</ul>
</body>
</html>
```

### 실행결과



## 추가문제 1.

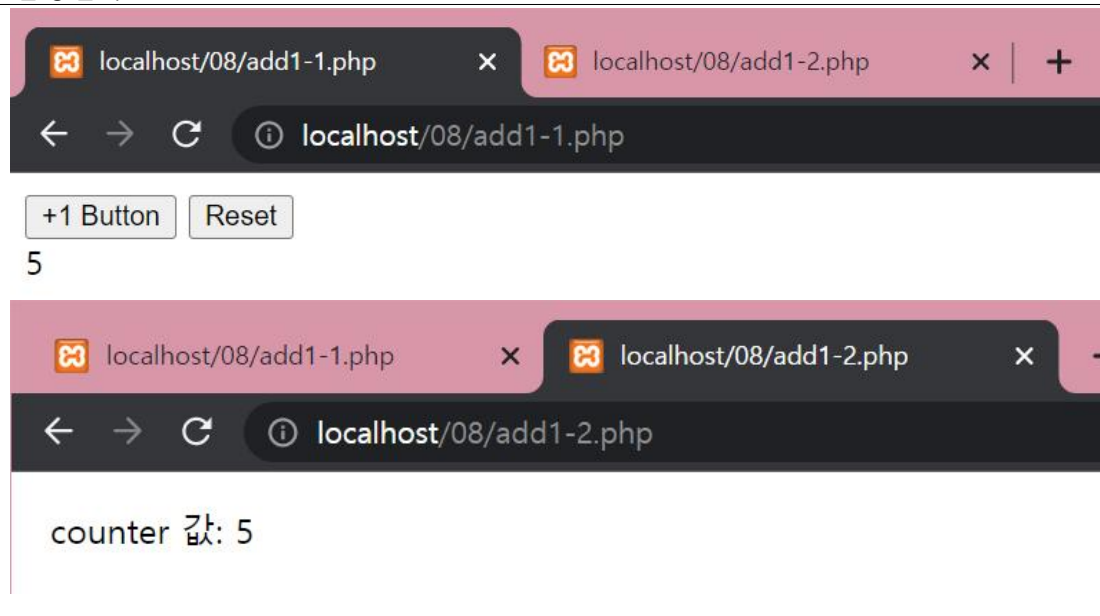
<b>add1-1.php</b>
<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;     &lt;meta charset="utf-8"&gt;     &lt;meta name="viewport" content="width=device-width, initial-scale=1"&gt;     &lt;title&gt;&lt;/title&gt; &lt;/head&gt; &lt;body&gt; &lt;form name="form1" method="post" action="add1-1.php"&gt; &lt;!--post 방식을 통해 add 1-1.php에 데이터 전송--&gt;     &lt;input type="submit" value="+1 Button" name="Button"&gt; &lt;!-- +1 Button 버 튼 --&gt;     &lt;input type="submit" value="Reset" name="Reset"&gt; &lt;!-- Reset 버튼 --&gt; &lt;/form&gt; &lt;?php     session_start(); /*세션 시작*/     if(isset(\$_POST['Button'])){ /*+1 Button을 누르면 다음을 실행*/         \$_SESSION['num'] = \$_SESSION['num'] + 1; /*\$_SESSION['num'] 에 +1*/         \$num = \$_SESSION['num']; /*\$_SESSION['num']을 \$num에 저장*/         echo \$num; /*\$num 출력*/     }     else if(isset(\$_POST['Reset'])) { /*Reset을 누르면 다음을 실행*/         \$_SESSION['num'] = 0; /*\$_SESSION['num']을 0으로 초기화*/         \$num = \$_SESSION['num']; /*\$_SESSION['num']을 \$num에 저장*/         echo \$num; /*\$num 출력*/     } ?&gt; &lt;!-- add1-2.php 파일에 \$_SESSION['num'] 데이터 넘김--&gt; &lt;form name="form1" method="post" action="add1-2.php"&gt;     &lt;input type="hidden" value="\$_SESSION['num']"&gt; &lt;/form&gt; &lt;/body&gt; &lt;/html&gt;</pre>
<b>add1-2.php</b>
<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;</pre>

```

<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<title></title>
</head>
<body>
  <!-- add1-1.php에서 받아온 $_SESSION['num'] 즉, counter 값 출력 -->
  <ul style="list-style: none; padding-inline-start: 10px;">
    <li>counter 값: <?php session_start(); echo $_SESSION['num'];
?></li>
  </ul>
</body>
</html>

```

#### 실행결과





## 추가문제 2.

### 소스코드

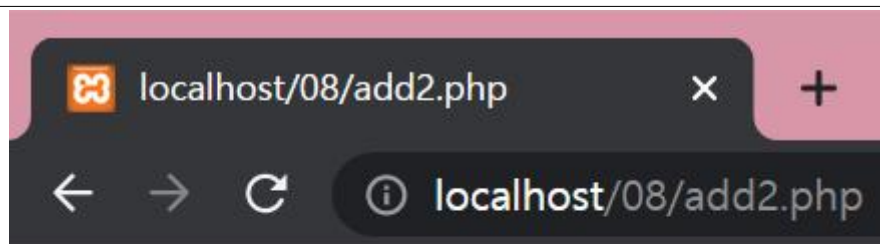
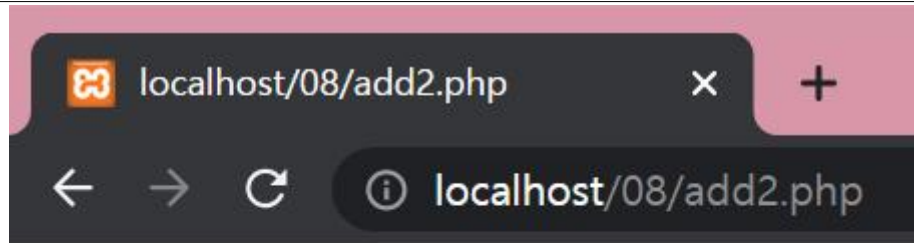
```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title></title>
</head>
<body>
<form name="form1" method="post" action="add2.php">
    숫자를 입력하십시오. (양수)<br>
    <input style="border: 1px solid black; width: 130px;" type="number"
name="content" min="1" max="100"> <!-- 숫자 1~100까지만 입력되도록 설정 -->
    <input style="border: 1px solid black;" type="submit" value="확인"> <!-- 확
인 버튼 -->
</form>
<?php
    session_start();
    $_SESSION['count'] += 1; /*확인 버튼 눌릴 때마다 시도 횟수 하나씩 증가*/
    $num = $_SESSION['num']; // 랜덤수
    $guess = $_POST['content']; // 사용자 입력수
    $count = $_SESSION['count']; // 시도횟수
    if($count == 0){ // count 가 0이면 난수 저장
        $_SESSION['num'] = random_int(1, 100);
    }
    elseif ($count > 5) { // 시도횟수가 5보다 커졌을 때
        echo "시도 횟수 : ".$count."<br>";
        echo "최대 시도 횟수가 초과했습니다!<br>";
        $_SESSION['count'] = 0;
    }
    elseif (isset($guess)) { // 변수가 설정되면
        $num = $_SESSION['num'];
        $count = $_SESSION['count'];
        $guess = $_POST['content'];
        echo "시도 횟수 : ".$count."<br>"; //시도 횟수 출력
        //echo $num."<br>";
        if($guess < $num) { // 사용자 입력수가 랜덤수보다 작으면
            echo "당신이 입력한 숫자 ".$guess."<br>보다 Up!";
        }
    }
}
```

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elseif($guess > $num) { // 사용자 입력수가 랜덤수보다 크면
    echo "당신이 입력한 숫자 ".$guess."보다 Down!";
}
else { // 사용자 입력수가 랜덤수와 같으면
    echo "당신이 입력한 숫자 ".$guess."은 정답입니다!";
    $_SESSION['count'] = 0; // 시도 횟수 초기화
}
}
?>
</body>
</html>

```

#### 실행결과

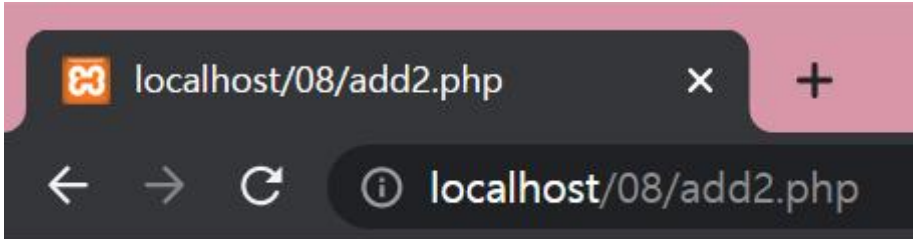
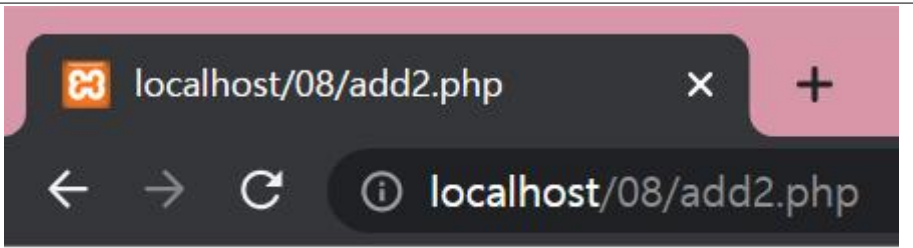
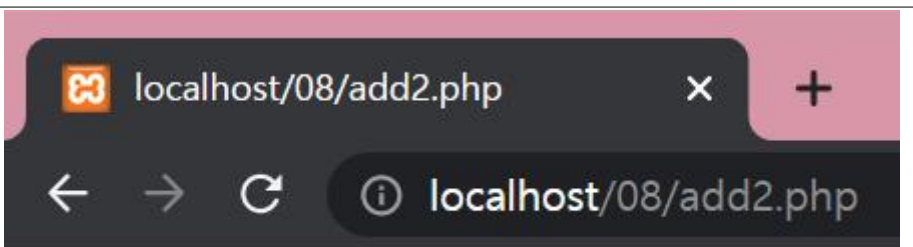



숫자를 입력하시오. (양수)



시도 횟수 : 2

당신이 입력한 숫자 98보다 Down!

	<p>숫자를 입력하십시오. (양수)</p> <div data-bbox="268 609 817 667"> <input type="text"/> <input type="button" value="확인"/> </div> <p>시도 횟수 : 4</p> <p>당신이 입력한 숫자 65은 정답입니다!</p>
	<p>숫자를 입력하십시오. (양수)</p> <div data-bbox="268 1169 817 1227"> <input type="text"/> <input type="button" value="확인"/> </div> <p>시도 횟수 : 6</p> <p>최대 시도 횟수가 초과했습니다!</p>
	<p>숫자를 입력하십시오. (양수)</p> <div data-bbox="268 1729 817 1796"> <input type="text" value="ㄹ"/> <input type="button" value="확인"/> </div> <div data-bbox="245 1809 756 1953">  <p>숫자를 입력하세요. 했습니다!</p> </div>