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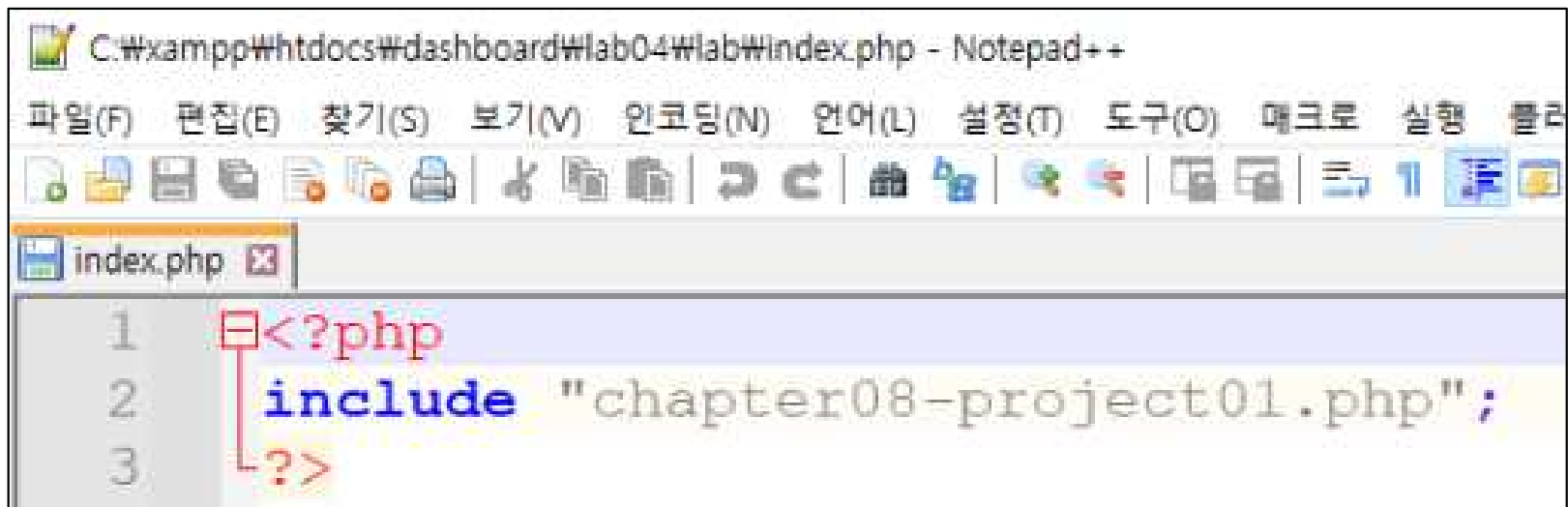
Lab 04. PHP Basic

Prep.

- Create the following directory
C:\xampp\htdocs\dashboard\lab04
- Download "배포 - PHP.zip" from PLATO
 - Un-zipping it will yield the following two directories: lab, project
 - Move the two directories under the lab04 directory such that:
 - C:\xampp\htdocs\dashboard\lab04\lab
 - C:\xampp\htdocs\dashboard\lab04\project

Prep.

- Move to C:\xampp\htdocs\dashboard\lab04\lab
 - Replace the extension of chapter08-project01.html with php
 - Create index.php, and let it include chapter08-project01.php

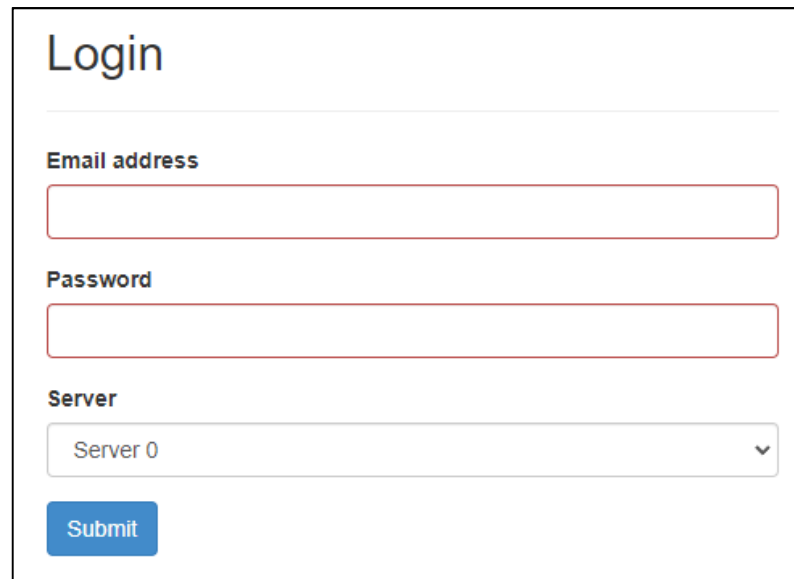


The screenshot shows a Notepad++ window titled "C:\xampp\htdocs\dashboard\lab04\lab\index.php - Notepad++". The menu bar includes "파일(F)", "편집(E)", "찾기(S)", "보기(V)", "인코딩(N)", "언어(L)", "설정(T)", "도구(O)", "매크로", "실행", and "플러그인". The toolbar contains various icons for file operations and editing. The editor window shows the following PHP code:

```
1 <?php
2 include "chapter08-project01.php";
3 ?>
```

Prep

- Move to C:\xampp\htdocs\dashboard\lab04\lab
 - Replace the extension of chapter08-project01.html with php
 - Create index.php, and let it include chapter08-project01.php
- Launch a web browser, and type the following url:
localhost/dashboard/lab04/lab
- Then, you'll see:



A screenshot of a web form titled "Login". The form contains three input fields: "Email address", "Password", and "Server". The "Email address" and "Password" fields are text inputs with red borders. The "Server" field is a dropdown menu with "Server 0" selected. Below the fields is a blue "Submit" button.

Login

Email address

Password

Server

Server 0

Submit

Q 1

- Edit

C:\xampp\htdocs\dashboard\lab04\lab\chapter08-project01.html as follows:

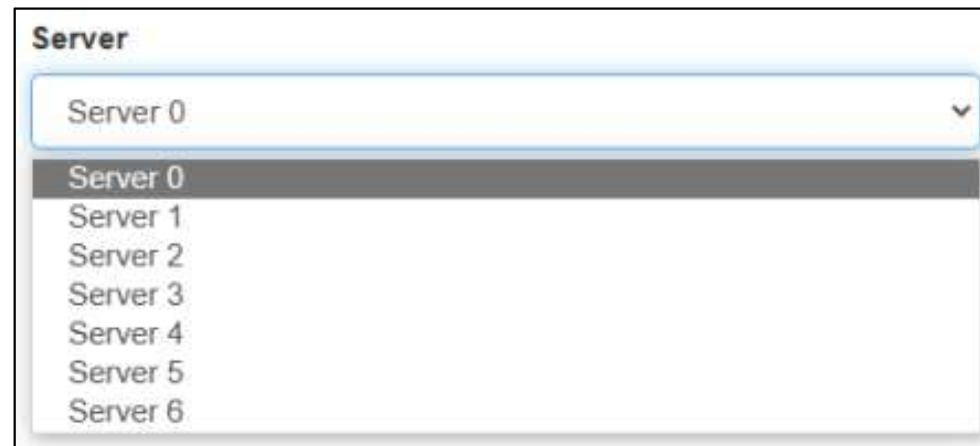
- [TODO 1] Include book-data.php inside lab directory
- [TODO 2] Inside book-data.php, there are two variables: \$email, \$password. Let the value of \$email and \$password be the default value of the email <input> tag and password <input> tag, resp.
 - Default value: the string assigned to the <input> tag's value property will be shown when the page is loaded by default
- Your page should look like what's on the right

The image shows a login form with the following elements:

- Login**: The title of the form.
- Email address**: A text input field containing the value `randy@abc.net`. A blue callout bubble points to the field with the text "Default value".
- Password**: A password input field (masked with dots). A blue callout bubble points to the field with the text "Default value".
- Server**: A dropdown menu currently showing "Server 0".
- Submit**: A blue button at the bottom of the form.

Q 2

- Edit C:\xampp\htdocs\dashboard\lab04\lab\chapter08-project01.html as follows
 - "Server" is using the <select> tag and shows six options from Server 0 to Server 6 so that the user can choose one among them.



The screenshot shows a web form with a title "Server". Below the title is a dropdown menu. The dropdown menu is currently open, showing a list of options: "Server 0", "Server 1", "Server 2", "Server 3", "Server 4", "Server 5", and "Server 6". The option "Server 0" is highlighted with a dark background. The dropdown menu has a small downward arrow icon on the right side of the selected option.

- [TODO] Replace the code that registers the Server 0, 1, ..., 6 options with the PHP loops. The result should be the same as before.

Q 3

- Edit C:\xampp\htdocs\dashboard\lab04\lab\chapter08-project01.html as follows
 - PHP function `date("w")` returns day of week number; i.e., 0: Sun, 1: Mon, ..., 6: Sat)
 - [TODO] Define a PHP function that runs as follows. By default, the server whose number is the same as the day of week number. For example, if today is Sunday (= 0), then the Server 0 should be chosen by default.

Login

Email address

randy@abc.net

Password

....

Server

Server 0

Submit

The code of the HTML page shown on the client's web browser.

```
<option selected > Server 0</option><option> Server 1</opt
```

Current: Sunday

Q 4

- Edit C:\xampp\htdocs\dashboard\lab04\project\index.php as follows

travel-
header.php

Move <header>
element into separate
file and include it.

travel-left-
rail.php

Move left navigation
boxes into separate
files and include them.

travel-
footer.php

Move <footer>
element into separate
file and include it.


The screenshot shows a web browser displaying a travel-themed application. The URL bar shows 'C:\xampp\htdocs\project\index.php'. The page has a dark blue header with navigation links: 'Share Your Travels', 'Home', 'About', 'Contact', and 'Browse'. Below the header is a search bar and two columns of navigation links: 'Continents' (Asia, Africa, Europe, North America, South America) and 'Popular Countries' (Bahamas, Canada, Germany, Ghana, Greece, Hungary, Italy, Spain, United Kingdom, United States). The main content area is titled 'Posts' and features three travel posts: 'Calgary in the Snow', 'Mountain Climbing', and 'Nova Scotia'. Each post includes a thumbnail image, a title, a byline, a date, and a 'Read more' link. At the bottom of the posts is a pagination control showing a sequence of numbers from 1 to 10. The footer contains three sections: 'Destinations' (Asia, Africa, Europe, North America, South America), 'Links' (Home, About, Browse, Search), and 'Connect' (Facebook, Twitter, Phone: 333-444-5555, Email: support@shareyourtravels.com). The footer also includes a copyright notice '© 2014 - Share Your Travels' and a note 'A case study for Fundamentals of Web Development'.

Annotations on the screenshot:

- A blue box labeled 'index.php' points to the top right corner of the browser window.
- A blue box labeled 'travel-header.php' points to the top navigation bar.
- A blue box labeled 'travel-left-rail.php' points to the left navigation sidebar.
- A blue box labeled 'travel-footer.php' points to the bottom footer section.
- A light blue box labeled 'Create function to output single post row.' points to the 'Calgary in the Snow' post.
- A light blue box labeled 'Create function to output links.' points to the 'Read more' link of the 'Mountain Climbing' post.
- A light blue box labeled 'Create function to output pagination.' points to the pagination control at the bottom of the posts.

Q 4

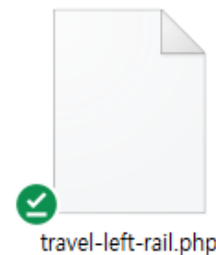
- Edit C:\xampp\htdocs\dashboard\lab04\project\index.php as follows
- TODO list : [Goal 1] ~ [Goal 3]
 - [Goal 1] Include the PHP code for header, footer, and navigation box at proper locations in the code



```
<body>

<!------->
<!-- Goal 1: include file in adequate area ---->
<!------->
<!-- Goal 1.1 includes files (header) ----->
<!-- Goal 1.2 includes files (navigation boxes) -->
<!-- Goal 1.3 includes files (footer) ----->
<!------->
```

There PHP files
to include



Q 4

- Edit C:\xampp\htdocs\dashboard\lab04\project\index.php as follows
- TODO list : [Goal 1] ~ [Goal 3]
 - [Goal 2] Define a function, named generateLink, that generates hyperlinks

```
echo '<p>' . generateLink($postLink, 'Read more',  
    '</p>';  
echo '</div>';  
echo '</div>';  
}  
  
// -----  
// Goal 2. Make 'generateLink' function  
// with three arguments: $url, $label and $class  
// -----  
  
function /*function name*/(/*arguments*/)  
{  
    /*function code*/  
}
```

check how the generateLink function is called

check the comments in index.php

your code goes here

Q 4

- Edit C:\xampp\htdocs\dashboard\lab04\project\index.php as follows
- TODO list : [Goal 1] ~ [Goal 3]
 - [Goal 3] As shown in the expected web page, to generate three posts, `outputPostRow` function is pre-defined. It reads `travel-data.php` and generates posts. Properly call the `outputPostRow` so that the resulting web page becomes the same as the expected web page.

check the comments
in index.php

```
<!-- ----->
<!-- Goal 3: use outputPostRow function withn single argument -->
<!-- *make three row ----->

    <div class="postlist">
        <hr />
        <hr />
    </div>
```

Deadline

- 1st : by 11/07 Tue, 14:45
- 2nd : by 11/13 Mon, 23:55