

Lab 6 – Logical and Conditional Statements

Purpose

- Solve problems using logical and conditional statements of PHP
- Upload your website to a Web server

Due Date

- This lab must be handed in:
Friday June 21, 2024 – before midnight

Assessment

- This Lab is worth 2% of your total course mark.

Assigned Readings

The following chapters of **Fundamentals of Web Development** will be useful in completing this exercise:

- Chapter 4
- Chapter 8

Lab Supplies

To complete this lab you will require the following lab supplies:

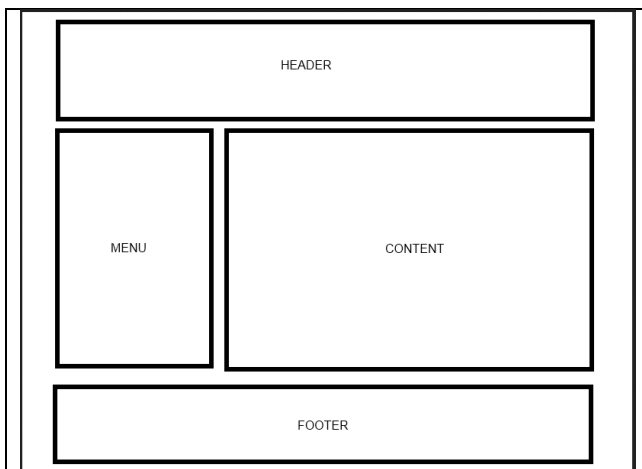
- Textbook: **Fundamentals of Web Development** by Randy Connolly and Ricardo Hoar
- EasyPHP, or other WAMP server
- Eclipse, Notepad++ (or other text editor, or IDE)

Summary of Tasks

1. Develop the logic to solve and display the output of All.php, Ten.php and EvenOdd.php. (9 marks)
2. Develop the logic to solve and display the output for NameForm.php. (7 marks)
3. Develop the logic to draw a specific pattern for Pattern.php.(4 marks)
4. Upload your website to the webserver
5. View your webpage using a web browser
6. Submit Lab Link on Brightspace
7. Submit source code of all PHP files on Brightspace

Task 1

Implement the following Design Pattern to create a 'Common Look and Feel' to be used on every page of your website.



Your web site will include the following PHP scripts:

- Header.php
- Footer.php
- Menu.php
- All.php
- Ten.php
- EvenOdd.php
- NameForm.php
- Pattern.php

Header.php

Header.php must contain a script to display a Common Header that will appear on every page. The header must display Program Name and Course Name

Footer.php

Footer.php must contain a script to display a Common Footer that will appear on every page. The footer must contain Student Number, First Name, Last Name, Email Address

Menu.php

Menu.php must contain a script to display a Common Menu to be shown on every page. The menu must contain links to All.php, Ten.php, EvenOdd.php, NameForm.php, and Pattern.php

All.php

In All.php, you need to create a script that will display the lyrics to the song 99 Bottles of beer. To do this you must use the **Logical and Conditional statements** of PHP. Also use the PHP statement 'include' to add your Header, Menu and Footer to the page.

99 Bottles of Beer example:

```
99 bottles of beer on the wall...
You take one down you pass it around ...
98 bottles of beer on the wall.
```

```
98 bottles of beer on the wall...
You take one down you pass it around ...
97 bottles of beer on the wall.
```

```
...
```

```
.....
```

```
1 bottle of beer on the wall...
You take one down you pass it around ...
0 bottle of beer on the wall.
```

```
There are no more bottles of beer.
```

Ten.php

In Ten.php you need to create a script that will display modified lyrics to the song 99 Bottles of beer. To do this, you must use the **Logical and Conditional statements** of PHP. Also use the PHP statement 'include' to add your Header, Menu and Footer to the page.

99 Bottles of Beer example:

```
90 bottles of beer on the wall...
90 bottles of beer...
You take 10 down you pass them around ...
80 bottles of beer on the wall.
```

```
80 bottles of beer on the wall...
80 bottles of beer...
You take 10 down you pass them around ...
70 bottles of beer on the wall.
```

```
20 bottles of beer on the wall...
20 bottles of beer...
You take 10 down you pass them around ...
10 bottles of beer on the wall.
```

```
There are only 10 bottles left.
You take them down you pass them around ...
0 bottle of beer on the wall.
```

```
There are no more bottles of beer.
```

EvenOdd.php

In EvenOdd.php, you need to create a script that will display modified lyrics to the song 99 Bottles of beer. You must implement it using the **Logical and Conditional statements** of PHP. Also use the PHP statement 'include' to add your Header, Menu and Footer to the page.

99 Bottles of Beer example:

```
99 bottles of beer can serve odd number of guests
98 bottles of beer can serve even number of guests
97 bottles of beer can serve odd number of guests
96 bottles of beer can serve even number of guests
.....
.....
3 bottles of beer can serve odd number of guests
2 bottles of beer can serve even number of guests
1 bottle of beer can serve ONLY ONE guest
```

NameForm.php

In NameForm.php, first you need to design a HTML form as below:

Name Form

First Name:

Middle Name:

Last Name:

Then you need to write a PHP script such that clicking 'Submit' button will display a message based on the name(s) provided by the user and current time of the day (in 24-hour format).

If the current time is less than 12 (i.e. it is between 00:00 - 11:59), then you have to display the message "Good morning"; otherwise you have to display "Good day".

You must implement it using the **Logical and Conditional** statements of PHP in the following ways:

- If all three names are missing display the following error message, "You did not supply any names".

Sample output is as follows:

Name Form

First Name:

Middle Name:

Last Name:

You did not supply any names.

- If only the first name is provided and the current time is less than 12, display the following message, "Good morning xxxx! You did not provide middle and last name."

If only the first name is provided and the current time is greater than or equal to 12, display the following message, "Good day xxxx! You did not provide middle and last name."

- If the first name as well as the last name is provided and the current time is less than 12, display the following message, "Good morning xxx xxx! You did not provide middle name".

If the first name as well as the last name is provided and the current time is greater than or equal to 12, display the following message, "Good day xxx xxx! You did not provide middle name"

- If all three names are provided and the current time is less than 12, display the following message, "Good morning xxx xxx xxx! Your middle name is very unique."

If all three names are provided and the current time is greater than or equal to 12, display the following message, "Good day xxx xxx xxx! Your middle name is very unique."

- If any other combination is supplied and the current time is less than 12, display the following message, "Good morning, Welcome to the World of PHP".

If any other combination is supplied and the current time is greater than or equal to 12, display the following message, "Good day, Welcome to the World of PHP".

Also use the PHP statement 'include' to add your Header, Menu and Footer to the page.

Pattern.php

Use conditional loop (for/while/do...while) statement of PHP to draw the following pattern. Also use the PHP statement 'include' to add your Header, Menu and Footer to the page.



Note: Please make sure that the header, footer, and menu are distinguishable with respect to the body (main content) of the web page.

Task 2

Create Lab 6 submission folder 'Lab6' and copy **All.php**, **Ten.php**, **EvenOdd.php**, **NameForm.php**, **Pattern.php** and any other required files (e.g. **css file**) into this folder.

Task 3

Upload your websites for Lab 6 into a Web Hosting Server by uploading 'Lab6' folder inside the 'public_html' directory of 'SiteGround' Web Hosting domain using DashBoard.

The 'File Upload' instruction is posted on Brightspace ([Course Contents -> Module 1 -> Part 2 -> SiteGround_FileUpload_Instruction.docx](#)).

Task 4

View your websites for Lab 6 using a web browser. Open a web browser and navigate to the following web address:

http://your_web-hosting_domain_name/Lab6/<filename>

For example, the sample URL for the homepage of Lab 6 on an arbitrary web hosting domain is:

rejaulc.sgedu.site/Lab6/All.php

where 'rejaulc.sgedu.site' is the name of an arbitrary web hosting domain, '[Lab6](#)' is the submission folder for Lab 6, '[All.php](#)' is the homepage of Lab 6.

Task 5

Once you have confirmed that your webpage is available online, you are ready to hand in your lab.

Create a compressed file (Lab6.zip) which will contain the following PHP files:

- Header.php, Footer.php, Menu.php
- All.php, Ten.php, EvenOdd.php
- NameForm.php
- Pattern.php

Create a word document (Lab6.doc) in which write the following Information:

- Student Number, First Name, Last Name
- The URL, or hyperlink of the home page (All.php) of Lab 6

To hand in your lab go to Brightspace and navigate to *Course Content* → *Labs* and click on 'Lab 6 - Logical and Conditional Statements' link.

Upload the word document (**Lab6.doc**) and the compressed file (**Lab6.zip**) on Brightspace. Finally, click the 'Submit' button to send the lab to your professor.

IMPORTANT NOTE: If the URL, or hyperlink, does not direct the professor to the lab you will receive a ZERO for the lab assignment.

IMPORTANT NOTE:

If you do not upload either Lab6.zip or Lab6.doc on Brightspace, you will receive a ZERO for the lab assignment.