

Fifth PHP Lab

The aim of this lab exercise is implement cookies and sessions using PHP.

Exercise 1 – Cookies

1. Download the zip file included with this lab from moode and unzip it to a new folder in the web root of your web server (e.g. c:\xampps\htdocs\php_lab5).
2. Open storage.php in a text editor.
3. You will need to follow the comments in this file to complete the first part of this exercise to implement code to create a cookie and delete a cookie. The comments include some hints.
4. Save all changes to storage.php.
5. Create a new php script named “welcome.php” in the same folder as storage.php on your web server (e.g. c:\xampps\htdocs\php_lab5).
6. Add PHP code this file which checks if a cookie was created in storage.php. If the cookie exists, display the value stored in the cookie on the screen, otherwise display text informing the user that no value exists. HINT: You can use the code from slide 33 in the PHP Lecture on moodle.
7. Add the following code to welcome.php to create a form with a “Home” button:

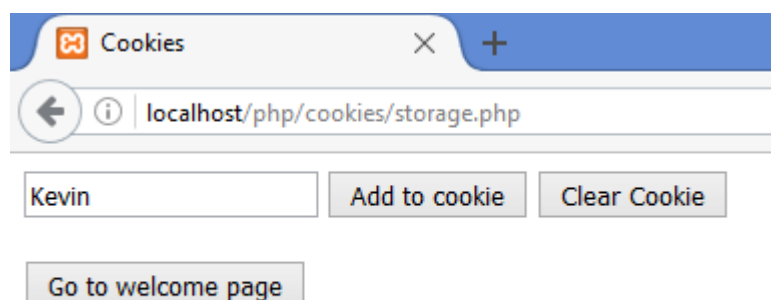
```
echo '<form action="storage.php" method="post">';  
echo '<input type="submit" name="home" value="Home">';  
echo '</form>';
```

8. Save all your changes.
9. Open storage.php on your local web server. You can do this by entering the url:

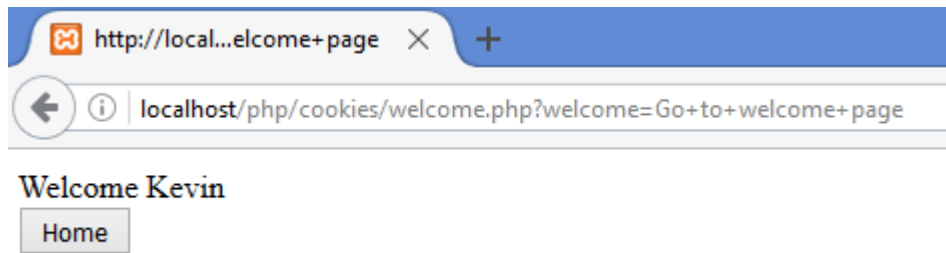
http://localhost/php_lab5/storage.php

If file is stored in htdocs\php_lab5. If not, adjust url to web root and location of storage.php on your local web server. Please ensure your web server is running.

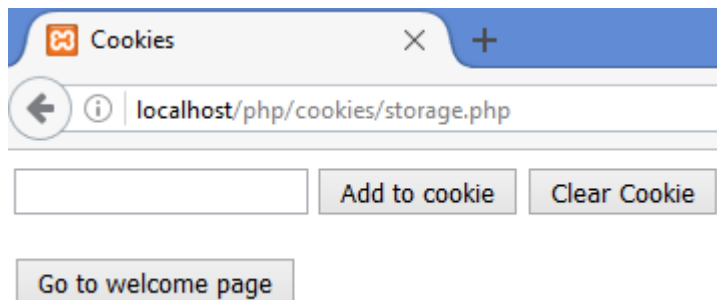
10. You should see a screen like the following:



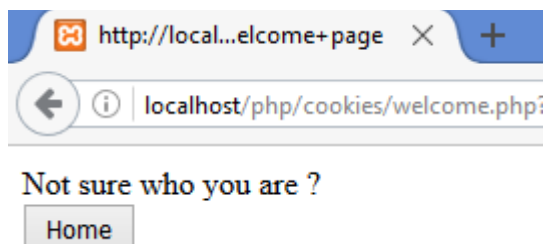
11. Enter a name in the text field, and click the “Add to cookie” button.
12. Then click on the “Go to welcome page” button,
13. You should see a screen like:



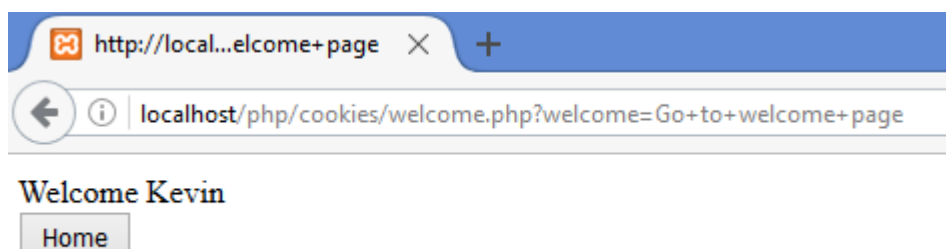
14. Click the Home button and this should take you to the following screen:



15. Click the “Clear Cookie” button and then click the “Add to cookie” button.
16. Then click the “Go to welcome page” button. You should a screen like:

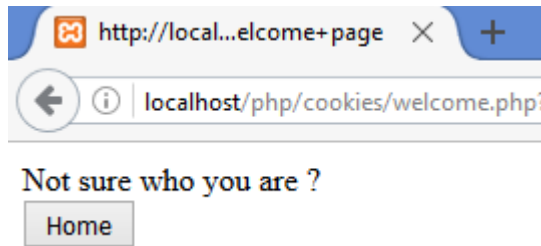


17. You can then click the Home button and add another value to the cookie. Exit your browser session. Open a new browser session and then access the storage.php script on your local web server. When the page opens, click on the “Go to welcome page” button and you should see your value entered from the previous browser session displayed on the screen. For example if you entered Kevin in the text field on your previous browser session then you should see something like:



18. The cookie is set to expire after one hour. You can wait an hour and reload the welcome.php script on your local server to check if the cookie is still accessible. You could instead adjust

the expiry time to a lower value so you don't have to wait as long to check if the cookie expires. After the expiry time is complete and you reload welcome.php then you should see a screen like the following:



Exercise 2 – Sessions

1. Take a copy of the scripts you modified and created in exercise 1 – storage.php and welcome.php.
2. Referring to slides 38 and 39 from the PHP lecture, complete the following:
 - a. Write code to store data on the server using sessions instead of using cookies.
 - b. Write code to display the data from server using sessions.
3. When coding is complete, save all changes.
4. Open storage.php on your local web server, and run some tests to confirm it works as expected. You will need to come up with your own test cases to confirm the solution works as expected.