

Practical Lab 10

Student ID: _____

Student Name: _____

Q1. Test the following codes to start and stop PHP session.

Test Demo1 here: [Demo 1](#)

1. Copy the following 4 files into your student folder. Set each permission as 755.
2. To start a session in PHP, see [the first highlight part](#).
3. To set a session variable in PHP, see [the second highlight part](#).
4. To verify if a session exists, see [the third highlight part](#).
5. To stop a session, see [the fourth highlight part](#).

Regarding the PHP session, you can find more details [HERE](#).

login.html:

```
<html>
<body>
```

```
<h2>Lab 10 Login</h2>
```

This is just an example, the username and password are hardcode in the login.php.

```
<br/>
```

```
Username: USR1<br/>
```

```
Password: PWD1<br/><br/><br/>
```

```
<form action="login.php" method="POST">
```

```
Username: <input type="text" name="username" id="username">
```

```
<br/><br/>
```

```
Password: <input type="password" name="password" id="password">
```

```
<br/><br/>
```

```
<button type="submit">Submit to Login</button>
```

```
</form>
```

```
</body>
```

```
</html>
```

login.php:

```
<?php
```

```
    session_start();
```

```
?>
```

```
<html>
```

```
<body>
```

```
<?php
```

```
    //Receive username from client side
```

```
    $entered_username = $_POST['username'];
```

```
    //Receive password from client side
```

```
    $entered_password = $_POST['password'];
```

```
    if($entered_username=="USR1" & $entered_password == "PWD1"){
```

```
        $_SESSION['login'] = "YES";
```

```

        header('Location: content.php');
    }else{
        echo "Wrong Username or Password!";
    }

    echo "<br/>Go <a href='http://titan.csit.rmit.edu.au/~e23700/Lab10/demo1/login.html'>back</a> to login";

?>

</body>
</html>

```

content.php:

```

<?php
    session_start();
    if(!isset($_SESSION['login'])){
        header('Location: login.html');
    }
?>

<html>
<body>

<h2>Lab 10 content</h2>

You can reach here only if you login successful.
<br/><br/>
<form action="logout.php" method="POST">
<button type="submit">Logout</button>
</form>

</body>
</html>

```

logout.php:

```

<?php
    session_start();
    unset($_SESSION['login']);

    echo "You have logged out, you cannot access to the <a
href='http://titan.csit.rmit.edu.au/~e23700/Lab10/demo1/content.php'>content page</a> right now";

    echo "<br/><br/>If you try to access to the content page without login successful, you will be redirect to <a
href='http://titan.csit.rmit.edu.au/~e23700/Lab10/demo1/login.html'>login.html</a> page";
?>

```

Q2. Based on **Q1** and [Lab 6 answer](#), achieve the following:

Create the folders/files as below:

Name	Ext	Size	Changed	Rights
↑ ..			25/09/2017 9:55:40 AM	rwxr-xr-x
client			25/09/2017 10:21:03 A...	rwxr-xr-x
database			25/09/2017 10:17:43 A...	rwxr-xr-x
server			25/09/2017 10:22:54 A...	rwxr-xr-x

in the folder **server**:

Name	Ext	Size	Changed	Rights
↑ ..			25/09/2017 10:17:43 A...	rwX-----
login.php		1,265	25/09/2017 10:24:58 A...	rwxr-xr-x
logout.php		130	25/09/2017 10:26:15 A...	rwxr-xr-x
register.php		1,353	25/09/2017 10:20:07 A...	rwxr-xr-x

in the folder **client**:

Name	Ext	Size	Changed	Rights
↑ ..			25/09/2017 10:17:43 A...	rwX-----
js			25/09/2017 10:17:43 A...	rwxr-xr-x
content.php		345	25/09/2017 10:27:27 A...	rwxr-xr-x
login.html		598	25/09/2017 10:18:01 A...	rwxr-xr-x
register.html		665	25/09/2017 10:18:09 A...	rwxr-xr-x

In the folder **database**:

Name	Ext	Size	Changed	Rights
↑ ..			25/09/2017 10:17:43 A...	rwX-----
users.txt		349	18/09/2017 1:28:41 AM	rwXrwXrwX

Expected outcome: Only successful login user can access to the content.php page.

Client-side:

1. Login via login.html
2. Redirect to content.php if username and password are correct.

Server-side:

1. Retrieve the username and password from client-side.
 2. Verify if the username exists, and if the password is correct.
 3. Set the session variable if both of the username and password are correct.
 4. Redirect to content page.
-

See example [here](#)

Answer of Q3:

login.php

```
<?php
    session_start();

?>

<html>
<body>

<?php
    if(isset($_POST['username']) == FALSE){
        header('Location: ../client/login.html');
    }

    //Receive username from client side
    $entered_username = $_POST['username'];
    //Receive password from client side
    $entered_password = $_POST['password'];

    if($entered_username != "" & $entered_password != ""){
        $login = 0;
        //read users.txt line by line
        foreach(file('../database/users.txt') as $line) {
            //split each line as two parts
            list($username, $password) = explode(",", $line);
            //verify if an exist user with the same username
            if($username == $entered_username){
                //verify the password
                if($password == $entered_password){
                    $login = 1;
                    $_SESSION['user'] = $entered_username;
                    header('Location: ../client/content.php');
                }
            }
        }

        if($login==0){
            echo "Wrong Username or Password!";
        }else{
            echo "Login successful!";
        }

        echo "<br/>Go <a
href='http://titan.csit.rmit.edu.au/~e23700/Lab10/answer'>back</a> to register, login or check
the users.txt";
    }else{
        echo "Username and Password cannot be empty!";
        echo "<br/>Go <a
href='http://titan.csit.rmit.edu.au/~e23700/Lab10/answer'>back</a> to register, login or check
the users.txt";
    }

?>

</body>
```

</html>

content.php

```
<?php
    session_start();
    if(!isset($_SESSION['user'])){
        header('Location: login.html');
    }
?>

<html>
<body>

<h2>Lab 10 answer: content</h2>

Hi! <?php echo $_SESSION['user']; ?>

<br/><br/>
Here is the content...
<br/><br/>

<form action="../server/logout.php" method="POST">
<button type="submit">Logout</button>
</form>

</body>
</html>
```

logout.php

```
<?php
    session_start();

    unset($_SESSION['user']);

    header('Location: http://titan.csit.rmit.edu.au/~e23700/Lab10/answer');
?>
```