Cookies and Sessions Exercises.

Exercise One

Type in the following pages and save them to your web server document root folder.

setcookie.php

```php
<?php
setcookie('cookie1234', 'This is Kevins cookie', time()+120 );
?>
<html>
<body>
<p>See if you browser will let you look at the cookies that it has stored
inside it.
Then click <a href="lookatcookie.php">here</a> to go to the next page.</p>
</body>
</html>
```

lookatcookie.php

```php
<html>
<body>
These are the contents of your cookie
<?php
// Print contents of cookie called 'cookie1234'
echo $_COOKIE["cookie1234"];

// Another way of doing it
print_r($_COOKIE);
?>
</body>
</html>
```

Whilst you are looking at the first page, see if you can locate the cookie in the temporary internet files folder. (It might make it easier to find it if you clear all cookies and offline content first)

To see the cookies:

On Firefox:
Options Menu > Privacy > History drop down list > Use Custom settings for History > Show Cookies.

On Chrome:
Options Menu > Settings > Show Advanced Settings > Privacy > Content Settings > All Cookies and site data

On Internet Explorer:
Tools -> Internet Options > General > Browsing History Settings > View files

You should be able to see the cookie (it is a text file) and it should display an expiry date two minutes later than the creation date.

You will also be able to see the contents of the cookie in a text window.

Return to the webpage as displayed in the browser. Now click on the link, and see if the values are retrieved from the cookie and displayed on the page.

Wait for two minutes to expire and then refresh the page – the cookie should be gone.

Exercise Two

setsession.php

```php
<?php
session_start();
$_SESSION["id_code"] = "12345";
$_SESSION["name"] = "Kevin Wilson";
$_SESSION["count"] = "0";
?>
<html>
<body>
<p>This page stores some data in the session variables.
Click <a href="lookatsession.php">here</a> to go to the next page.</p>
</body>
</html>
```

lookatsession.php

```php
<?php
session_start();
echo "<html>";
echo "<body>";
print_r($_SESSION);
echo "<br />";
echo $_SESSION["id_code"];
echo "<br />";
echo $_SESSION["name"];
echo "<br />";
echo $_SESSION["count"];
echo "<br />";
$countvar = $_SESSION["count"];
$_SESSION["count"] = $countvar + 1;
?>
<p>
These are the contents of your session variables.
Navigate to another page or two, then come back.
</p>
Try refreshing the page.
</body>
</html>
```

Load the first page, click through to the second. Refresh the page a few times. Navigate away to a couple of other sites and then return. Refresh a few more times. Close the browser and then reopen. That should close the session, so try to load **lookatsession.php** straightaway and see what happens.