

```
1: <?
2:     /**
3:      * home.php
4:      *
5:      * A simple home page for these login demos.
6:      *
7:      * Computer Science E-75
8:      * David J. Malan
9:      */
10:
11:     // enable sessions
12:     session_start();
13: ?>
14:
15: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
16:
17: <html xmlns="http://www.w3.org/1999/xhtml">
18:     <head>
19:         <title>Home</title>
20:     </head>
21:     <body>
22:         <h1>Home</h1>
23:         <h3>
24:             <? if ($_SESSION["authenticated"]) { ?>
25:                 You are logged in!
26:                 <br />
27:                 <a href="logout.php">log out</a>
28:             <? } else { ?>
29:                 You are not logged in!
30:             <? } ?>
31:         </h3>
32:         <br />
33:         <b>Login Demos</b>
34:         <ul>
35:             <li><a href="login1.php">version 1</a></li>
36:             <li><a href="login2.php">version 2</a></li>
37:             <li><a href="login3.php">version 3</a></li>
38:             <li><a href="login4.php">version 4</a></li>
39:             <li><a href="login5.php">version 5</a></li>
40:             <li><a href="login6.php">version 6</a></li>
41:             <li><a href="login7.php">version 7</a></li>
42:             <li><a href="login8.php">version 8</a></li>
43:             <li><a href="login9.php">version 9</a></li>
44:         </ul>
45:     </body>
46: </html>
```

```
1: <?
2:  /**
3:   * login1.php
4:   *
5:   * A simple login module.
6:   *
7:   * Computer Science E-75
8:   * David J. Malan
9:   */
10:
11: // enable sessions
12: session_start();
13:
14: // were this not a demo, these would be in some database
15: define("USER", "jharvard");
16: define("PASS", "crimson");
17:
18: // if username and password were submitted, check them
19: if (isset($_POST["user"]) && isset($_POST["pass"]))
20: {
21:     // if username and password are valid, log user in
22:     if ($_POST["user"] == USER && $_POST["pass"] == PASS)
23:     {
24:         // remember that user's logged in
25:         $_SESSION["authenticated"] = TRUE;
26:
27:         // redirect user to home page, using absolute path, per
28:         // http://us2.php.net/manual/en/function.header.php
29:         $host = $_SERVER["HTTP_HOST"];
30:         $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
31:         header("Location: http://$host$path/home.php");
32:         exit;
33:     }
34: }
35: ?>
36:
37: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
38:
39: <html xmlns="http://www.w3.org/1999/xhtml">
40:   <head>
41:     <title>Log In</title>
42:   </head>
43:   <body>
44:     <? if (count($_POST) > 0) echo "INVALID LOGIN"; ?>
45:     <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
46:       <table>
```

```
47:      <tr>
48:          <td>Username:</td>
49:          <td><input name="user" type="text" value="<? echo $_POST["user"]; ?>" /></td>
50:      </tr>
51:      <tr>
52:          <td>Password:</td>
53:          <td><input name="pass" type="password" /></td>
54:      </tr>
55:      <tr>
56:          <td></td>
57:          <td><input type="submit" value="Log In" /></td>
58:      </tr>
59:  </table>
60: </form>
61: </body>
62: </html>
```

```
1: <?
2: /**
3:  * login2.php
4:  *
5:  * A simple login module that pre-populates the username field
6:  * upon failed login, just in case user simply mistyped password.
7:  *
8:  * Computer Science E-75
9:  * David J. Malan
10: */
11:
12: // enable sessions
13: session_start();
14:
15: // were this not a demo, these would be in some database
16: define("USER", "jharvard");
17: define("PASS", "crimson");
18:
19: // if username and password were submitted, check them
20: if (isset($_POST["user"]) && isset($_POST["pass"]))
21: {
22:     // if username and password are valid, log user in
23:     if ($_POST["user"] == USER && $_POST["pass"] == PASS)
24:     {
25:         // remember that user's logged in
26:         $_SESSION["authenticated"] = TRUE;
27:
28:         // redirect user to home page, using absolute path, per
29:         // http://us2.php.net/manual/en/function.header.php
30:         $host = $_SERVER["HTTP_HOST"];
31:         $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
32:         header("Location: http://$host$path/home.php");
33:         exit;
34:     }
35: }
36: ?>
37:
38: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
39:
40: <html xmlns="http://www.w3.org/1999/xhtml">
41:     <head>
42:         <title>Log In</title>
43:     </head>
44:     <body>
45:         <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
46:             <table>
```

```
47:         <tr>
48:             <td>Username:</td>
49:             <td><input name="user" type="text" value="<? echo $_POST["user"]; ?>" /></td>
50:         </tr>
51:         <tr>
52:             <td>Password:</td>
53:             <td><input name="pass" type="password" /></td>
54:         </tr>
55:         <tr>
56:             <td></td>
57:             <td><input type="submit" value="Log In" /></td>
58:         </tr>
59:     </table>
60: </form>
61: </body>
62: </html>
```

```
1: <?
2:  /**
3:   * login3.php
4:   *
5:   * A simple login module that remembers username of most recently
6:   * authenticated user so that it can pre-populate the username
7:   * field next time.
8:   *
9:   * Computer Science E-75
10:  * David J. Malan
11:  */
12:
13:  // enable sessions
14:  session_start();
15:
16:  // were this not a demo, these would be in some database
17:  define("USER", "jharvard");
18:  define("PASS", "crimson");
19:
20:  // if username and password were submitted, check them
21:  if (isset($_POST["user"]) && isset($_POST["pass"]))
22:  {
23:      // if username and password are valid, log user in
24:      if ($_POST["user"] == USER && $_POST["pass"] == PASS)
25:      {
26:          // remember that user's logged in
27:          $_SESSION["authenticated"] = TRUE;
28:
29:          // save username in cookie for a week
30:          setcookie("user", $_POST["user"], time() + 7 * 24 * 60 * 60);
31:
32:          // redirect user to home page, using absolute path, per
33:          // http://us2.php.net/manual/en/function.header.php
34:          $host = $_SERVER["HTTP_HOST"];
35:          $path = rtrim(dirname($_SERVER["PHP_SELF"]), "\\");
36:          header("Location: http://$host$path/home.php");
37:          exit;
38:      }
39:  }
40: ?>
41:
42: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
43:
44: <html xmlns="http://www.w3.org/1999/xhtml">
45:   <head>
46:     <title>Log In</title>
```

```
47: </head>
48: <body>
49:   <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
50:     <table>
51:       <tr>
52:         <td>Username:</td>
53:         <td><input name="user" type="text" value="<? echo ($_POST["user"]) ? $_POST["user"] : $_COOKIE["user"]; ?
>" /></td>
54:       </tr>
55:       <tr>
56:         <td>Password:</td>
57:         <td><input name="pass" type="password" /></td>
58:       </tr>
59:       <tr>
60:         <td></td>
61:         <td><input type="submit" value="Log In" /></td>
62:       </tr>
63:     </table>
64:   </form>
65: </body>
66: </html>
```

```
1: <?
2:  /**
3:   * login4.php
4:   *
5:   * A simple login module that lets a user stay logged in
6:   * by saving username and, ack, password in cookies.
7:   *
8:   * Computer Science E-75
9:   * David J. Malan
10:  */
11:
12:  // enable sessions
13:  session_start();
14:
15:  // were this not a demo, these would be in some database
16:  define("USER", "jharvard");
17:  define("PASS", "crimson");
18:
19:  // if username and password were saved in cookie, check them
20:  if (isset($_COOKIE["user"]) && isset($_COOKIE["pass"]))
21:  {
22:      // if username and password are valid, log user back in
23:      if ($_COOKIE["user"] == USER && $_COOKIE["pass"] == PASS)
24:      {
25:          // remember that user's logged in
26:          $_SESSION["authenticated"] = TRUE;
27:
28:          // re-save username and, ack, password in cookies for another week
29:          setcookie("user", $_COOKIE["user"], time() + 7 * 24 * 60 * 60);
30:          setcookie("pass", $_COOKIE["pass"], time() + 7 * 24 * 60 * 60);
31:
32:          // redirect user to home page, using absolute path, per
33:          // http://us2.php.net/manual/en/function.header.php
34:          $host = $_SERVER["HTTP_HOST"];
35:          $path = rtrim(dirname($_SERVER["PHP_SELF"]), "\\");
36:          header("Location: http://$host$path/home.php");
37:          exit;
38:      }
39:  }
40:
41:  // else if username and password were submitted, grab them instead
42:  else if (isset($_POST["user"]) && isset($_POST["pass"]))
43:  {
44:      // if username and password are valid, log user in
45:      if ($_POST["user"] == USER && $_POST["pass"] == PASS)
46:      {
47:          // remember that user's logged in
```



```
48:         $_SESSION["authenticated"] = TRUE;
49:
50:         // save username in cookie for a week
51:         setcookie("user", $_POST["user"], time() + 7 * 24 * 60 * 60);
52:
53:         // save password in, ack, cookie for a week if requested
54:         if ($_POST["keep"])
55:             setcookie("pass", $_POST["pass"], time() + 7 * 24 * 60 * 60);
56:
57:         // redirect user to home page, using absolute path, per
58:         // http://us2.php.net/manual/en/function.header.php
59:         $host = $_SERVER['HTTP_HOST'];
60:         $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
61:         header("Location: http://$host$path/home.php");
62:         exit;
63:     }
64: }
65: ?>
66:
67: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
68:
69: <html xmlns="http://www.w3.org/1999/xhtml">
70:     <head>
71:         <title>Log In</title>
72:     </head>
73:     <body>
74:         <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
75:             <table>
76:                 <tr>
77:                     <td>Username:</td>
78:                     <td><input name="user" type="text" value="<? echo ($_POST["user"]) ? $_POST["user"] : $_COOKIE["user"]; ?
>" /></td>
79:                 </tr>
80:                 <tr>
81:                     <td>Password:</td>
82:                     <td><input name="pass" type="password" /></td>
83:                 </tr>
84:                 <tr>
85:                     <td></td>
86:                     <td><input name="keep" type="checkbox" /> &nbsp; keep me logged in until I click <b>log out</b></td>
87:                 </tr>
88:                 <tr>
89:                     <td></td>
90:                     <td><input type="submit" value="Log In" /></td>
91:                 </tr>
92:             </table>
```

```
93:      </form>
94:  </body>
95: </html>
```

```
1: <?
2:    /**
3:     * logout.php
4:     *
5:     * A simple logout module for all of our login modules.
6:     *
7:     * Computer Science E-75
8:     * David J. Malan
9:     */
10:
11:    // enable sessions
12:    session_start();
13:
14:    // delete cookies, if any
15:    setcookie("user", "", time() - 3600);
16:    setcookie("pass", "", time() - 3600);
17:
18:    // log user out
19:    setcookie(session_name(), "", time() - 3600);
20:    session_destroy();
21: ?>
22:
23: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
24:
25: <html xmlns="http://www.w3.org/1999/xhtml">
26:   <head>
27:     <title>Log Out</title>
28:   </head>
29:   <body>
30:     <h1>You are logged out!</h1>
31:     <h3><a href="home.php">home</a></h3>
32:   </body>
33: </html>
```