```
 1:
 2: <!DOCTYPE html
 3:     PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 4:     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
 5:
 6: <html xmlns="http://www.w3.org/1999/xhtml">
 7:   <head>
 8:     <title>Frosh IMs</title>
 9:   </head>
10:   <body>
11:     <div align="center">
12:       <h1>Register for Frosh IMs</h1>
13:       <br /><br />
14:       <form action="register.php" method="post">
15:         <table border="0" style="text-align: left;">
16:           <tr>
17:             <td>Name:</td>
18:             <td><input name="name" type="text" /></td>
19:           </tr>
20:           <tr>
21:             <td>Captain:</td>
22:             <td><input name="captain" type="checkbox" /></td>
23:           </tr>
24:           <tr>
25:             <td>Gender:</td>
26:             <td><input name="gender" type="radio" value="F" /> F  <input name="gender" type="radio" value="M" /> M<
/td>
27:           </tr>
28:           <tr>
29:             <td>Dorm:</td>
30:             <td>
31:               <select name="dorm" size="1">
32:                 <option value=""></option>
33:                 <option value="Apley Court">Apley Court</option>
34:                 <option value="Canaday">Canaday</option>
35:                 <option value="Grays">Grays</option>
36:                 <option value="Greenough">Greenough</option>
37:                 <option value="Hollis">Hollis</option>
38:                 <option value="Holworthy">Holworthy</option>
39:                 <option value="Hurlbut">Hurlbut</option>
40:                 <option value="Lionel">Lionel</option>
41:                 <option value="Matthews">Matthews</option>
42:                 <option value="Mower">Mower</option>
43:                 <option value="Pennypacker">Pennypacker</option>
44:                 <option value="Stoughton">Stoughton</option>
```

```
45:                 <option value="Straus">Straus</option>
46:                 <option value="Thayer">Thayer</option>
47:                 <option value="Weld">Weld</option>
48:                 <option value="Wigglesworth">Wigglesworth</option>
49:               </select>
50:             </td>
51:           </tr>
52:         </table>
53:         <br /><br />
54:         <input type="submit" value="Register!" />
55:       </form>
56:     </div>
57:   </body>
58: </html>
59:
```

```
 1:
 2: <!DOCTYPE html PUBLIC
 3:     "-//W3C//DTD XHTML 1.0 Transitional//EN"
 4:     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
 5:
 6: <html xmlns="http://www.w3.org/1999/xhtml">
 7:   <head>
 8:     <title>Malan Rouge!</title>
 9:   </head>
10:   <body>
11:     <div align="center">
12:
13:       <img src="fake.gif" />
14:       <br /><br />
15:       <form action="http://www.google.com/search" name="f">
16:         <input name="hl" type="hidden" value="en">
17:         <input autocomplete="off" maxlength="2048" name="q" size="55" title="Google Search" value="" />
18:         <br />
19:         <input name="btnG" type="submit" value="Google Search" />
20:         <input name="btnI" type="submit" value="I'm Feeling Lucky">
21:       </form>
22:
23:     </div>
24:   </body>
25: </html>
26:
```

```
 1: <!DOCTYPE html
 2:     PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
 3:     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
 4:
 5: <html xmlns="http://www.w3.org/1999/xhtml">
 6:   <head>
 7:     <title>hello, world</title>
 8:   </head>
 9:   <body>
10:     hello, world
11:   </body>
12: </html>
13:
14:
```

```
 1: <html>
 2:   <head>
 3:     <title>My Ugly Webpage</title>
 4:   </head>
 5:   <body bgcolor="#000000">
 6:     <div style="margin: 20px; text-align: center;">
 7:       <img alt="" src="malanrouge.jpg" />
 8:     </div>
 9:   </body>
10: </html>
```

```
 1: <?
 2:     /**
 3:      * home.php
 4:      *
 5:      * A simple home page for these login demos.
 6:      *
 7:      * Computer Science 50
 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 50
 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 50
 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 50
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 50
 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" />   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>
```

```php
 1: <?
 2:     /**
 3:      * login5.php
 4:      *
 5:      * A simple login module that checks a username and password
 6:      * against a MySQL table with no encryption.
 7:      *
 8:      * Computer Science 50
 9:      * David J. Malan
10:      */
11:
12:     // enable sessions
13:     session_start();
14:
15:     // connect to database
16:     if (($connection = mysql_connect("", "", "")) === FALSE)
17:         die("Could not connect to database");
18:
19:     // select database
20:     if (mysql_select_db("", $connection) === FALSE)
21:         die("Could not select database");
22:
23:     // if username and password were submitted, check them
24:     if (isset($_POST["user"]) && isset($_POST["pass"]))
25:     {
26:         // prepare SQL
27:         $sql = sprintf("SELECT * FROM users WHERE user='%s'",
28:                        mysql_real_escape_string($_POST["user"]));
29:
30:         // execute query
31:         $result = mysql_query($sql);
32:         if ($result === FALSE)
33:             die("Could not query database");
34:
35:         // check whether we found a row
36:         if (mysql_num_rows($result) == 1)
37:         {
38:             // fetch row
39:             $row = mysql_fetch_assoc($result);
40:
41:             // check password
42:             if ($row["pass"] == $_POST["pass"])
43:             {
44:                 // remember that user's logged in
45:                 $_SESSION["authenticated"] = TRUE;
```

```php
46:
47:                 // redirect user to home page, using absolute path, per
48:                 // http://us2.php.net/manual/en/function.header.php
49:                 $host = $_SERVER["HTTP_HOST"];
50:                 $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
51:                 header("Location: http://$host$path/home.php");
52:                 exit;
53:             }
54:         }
55:     }
56: ?>
57:
58: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
59:
60: <html xmlns="http://www.w3.org/1999/xhtml">
61:   <head>
62:     <title>Log In</title>
63:   </head>
64:   <body>
65:     <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
66:       <table>
67:         <tr>
68:           <td>Username:</td>
69:           <td>
70:             <input name="user" type="text" /></td>
71:         </tr>
72:         <tr>
73:           <td>Password:</td>
74:           <td><input name="pass" type="password" /></td>
75:         </tr>
76:         <tr>
77:           <td></td>
78:           <td><input type="submit" value="Log In" /></td>
79:         </tr>
80:       </table>
81:     </form>
82:   </body>
83: </html>
```

```php
 1: <?
 2:     /**
 3:      * login6.php
 4:      *
 5:      * A simple login module that checks a username and password
 6:      * against a MySQL table with no encryption by asking for a binary answer.
 7:      *
 8:      * Computer Science 50
 9:      * David J. Malan
10:      */
11:
12:     // enable sessions
13:     session_start();
14:
15:     // connect to database
16:     if (($connection = mysql_connect("", "", "")) === FALSE)
17:         die("Could not connect to database");
18:
19:     // select database
20:     if (mysql_select_db("", $connection) === FALSE)
21:         die("Could not select database");
22:
23:     // if username and password were submitted, check them
24:     if (isset($_POST["user"]) && isset($_POST["pass"]))
25:     {
26:         // prepare SQL
27:         $sql = sprintf("SELECT 1 FROM users WHERE user='%s' AND pass='%s'",
28:                        mysql_real_escape_string($_POST["user"]),
29:                        mysql_real_escape_string($_POST["pass"]));
30:
31:         // execute query
32:         $result = mysql_query($sql);
33:         if ($result === FALSE)
34:             die("Could not query database");
35:
36:         // check whether we found a row
37:         if (mysql_num_rows($result) == 1)
38:         {
39:             // remember that user's logged in
40:             $_SESSION["authenticated"] = TRUE;
41:
42:             // redirect user to home page, using absolute path, per
43:             // http://us2.php.net/manual/en/function.header.php
44:             $host = $_SERVER["HTTP_HOST"];
45:             $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
```

```php
46:             header("Location: http://$host$path/home.php");
47:             exit;
48:         }
49:     }
50: ?>
51:
52: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
53:
54: <html xmlns="http://www.w3.org/1999/xhtml">
55:   <head>
56:     <title>Log In</title>
57:   </head>
58:   <body>
59:     <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
60:       <table>
61:         <tr>
62:           <td>Username:</td>
63:           <td>
64:             <input name="user" type="text" /></td>
65:         </tr>
66:         <tr>
67:           <td>Password:</td>
68:           <td><input name="pass" type="password" /></td>
69:         </tr>
70:         <tr>
71:           <td></td>
72:           <td><input type="submit" value="Log In" /></td>
73:         </tr>
74:       </table>
75:     </form>
76:   </body>
77: </html>
```

```php
1: <?
2:     /**
3:      * login7.php
4:      *
5:      * A simple login module that checks a username and password
6:      * against a MySQL table with weak encryption (well, a weak hash).
7:      *
8:      * Computer Science 50
9:      * David J. Malan
10:     */
11:
12:    // enable sessions
13:    session_start();
14:
15:    // connect to database
16:    if (($connection = mysql_connect("", "", "")) === FALSE)
17:        die("Could not connect to database");
18:
19:    // select database
20:    if (mysql_select_db("", $connection) === FALSE)
21:        die("Could not select database");
22:
23:    // if username and password were submitted, check them
24:    if (isset($_POST["user"]) && isset($_POST["pass"]))
25:    {
26:        // prepare SQL
27:        $sql = sprintf("SELECT 1 FROM users WHERE user='%s' AND pass=PASSWORD('%s')",
28:                        mysql_real_escape_string($_POST["user"]),
29:                        mysql_real_escape_string($_POST["pass"]));
30:
31:        // execute query
32:        $result = mysql_query($sql);
33:        if ($result === FALSE)
34:            die("Could not query database");
35:
36:        // check whether we found a row
37:        if (mysql_num_rows($result) == 1)
38:        {
39:            // remember that user's logged in
40:            $_SESSION["authenticated"] = TRUE;
41:
42:            // redirect user to home page, using absolute path, per
43:            // http://us2.php.net/manual/en/function.header.php
44:            $host = $_SERVER["HTTP_HOST"];
45:            $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
```

```php
46:            header("Location: http://$host$path/home.php");
47:            exit;
48:        }
49:    }
50: ?>
51:
52: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
53:
54: <html xmlns="http://www.w3.org/1999/xhtml">
55:   <head>
56:     <title>Log In</title>
57:   </head>
58:   <body>
59:     <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
60:       <table>
61:         <tr>
62:           <td>Username:</td>
63:           <td>
64:             <input name="user" type="text" /></td>
65:         </tr>
66:         <tr>
67:           <td>Password:</td>
68:           <td><input name="pass" type="password" /></td>
69:         </tr>
70:         <tr>
71:           <td></td>
72:           <td><input type="submit" value="Log In" /></td>
73:         </tr>
74:       </table>
75:     </form>
76:   </body>
77: </html>
```

```
 1: <?
 2:    /**
 3:     * login8.php
 4:     *
 5:     * A simple login module that checks a username and password
 6:     * against a MySQL table with strong encryption (but insecure secret).
 7:     *
 8:     * Computer Science 50
 9:     * David J. Malan
10:     */
11:
12:    // enable sessions
13:    session_start();
14:
15:    // connect to database
16:    if (($connection = mysql_connect("", "", "")) === FALSE)
17:        die("Could not connect to database");
18:
19:    // select database
20:    if (mysql_select_db("", $connection) === FALSE)
21:        die("Could not select database");
22:
23:    // if username and password were submitted, check them
24:    if (isset($_POST["user"]) && isset($_POST["pass"]))
25:    {
26:        // prepare SQL
27:        $sql = sprintf("SELECT 1 FROM users WHERE user='%s' AND pass=AES_ENCRYPT('%s', 'secret')",
28:                       mysql_real_escape_string($_POST["user"]),
29:                       mysql_real_escape_string($_POST["pass"]));
30:
31:        // execute query
32:        $result = mysql_query($sql);
33:        if ($result === FALSE)
34:            die("Could not query database");
35:
36:        // check whether we found a row
37:        if (mysql_num_rows($result) == 1)
38:        {
39:            // remember that user's logged in
40:            $_SESSION["authenticated"] = TRUE;
41:
42:            // redirect user to home page, using absolute path, per
43:            // http://us2.php.net/manual/en/function.header.php
44:            $host = $_SERVER["HTTP_HOST"];
45:            $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
```

```
46:            header("Location: http://$host$path/home.php");
47:            exit;
48:        }
49:    }
50: ?>
51:
52: <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
.dtd">
53:
54: <html xmlns="http://www.w3.org/1999/xhtml">
55:   <head>
56:     <title>Log In</title>
57:   </head>
58:   <body>
59:     <form action="<? echo $_SERVER["PHP_SELF"]; ?>" method="post">
60:       <table>
61:         <tr>
62:           <td>Username:</td>
63:           <td>
64:             <input name="user" type="text" /></td>
65:         </tr>
66:         <tr>
67:           <td>Password:</td>
68:           <td><input name="pass" type="password" /></td>
69:         </tr>
70:         <tr>
71:           <td></td>
72:           <td><input type="submit" value="Log In" /></td>
73:         </tr>
74:       </table>
75:     </form>
76:   </body>
77: </html>
```

```php
 1: <?
 2:     /**
 3:      * logout.php
 4:      *
 5:      * A simple logout module for all of our login modules.
 6:      *
 7:      * Computer Science 50
 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>
```

```sql
 1: -- phpMyAdmin SQL Dump
 2: -- http://www.phpmyadmin.net
 3:
 4: SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";
 5:
 6: -- --------------------------------------------------------
 7:
 8: --
 9: -- Table structure for table `users`
10: --
11:
12: CREATE TABLE `users` (
13:   `user` varchar(8) NOT NULL,
14:   `password` varchar(8) NOT NULL,
15:   PRIMARY KEY  (`user`)
16: ) ENGINE=MyISAM DEFAULT CHARSET=latin1;
17:
18: --
19: -- Dumping data for table `users`
20: --
21:
22: INSERT INTO `users` VALUES('jharvard', 'crimson');
23: INSERT INTO `users` VALUES('jane', 'crimson');
24:
```

```
 1: -- phpMyAdmin SQL Dump
 2: -- http://www.phpmyadmin.net
 3:
 4: SET SQL_MODE="NO_AUTO_VALUE_ON_ZERO";
 5:
 6: -- --------------------------------------------------------
 7:
 8: --
 9: -- Table structure for table `users`
10: --
11:
12: CREATE TABLE `users` (
13:   `user` varchar(8) NOT NULL,
14:   `pass` varchar(255) NOT NULL,
15:   PRIMARY KEY  (`user`)
16: ) ENGINE=MyISAM DEFAULT CHARSET=latin1;
17:
18: --
19: -- Dumping data for table `users`
20: --
21:
22: INSERT INTO `users` VALUES('jharvard', '*02A501BC718BBD7927FC5805D858811E3C3F1825');
23:
```

```
1: <?
2:
3:     print "<pre>";
4:     print_r($_POST);
5:
6: ?>
```

```
 1: <?
 2:
 3:     // validate submission
 4:     if ($_REQUEST["name"] == "" ||
 5:         $_REQUEST["gender"] == "" ||
 6:         $_REQUEST["dorm"] == "")
 7:     {
 8:         header("Location: http://cs50.net/lectures/weeks/8/src/froshims.html");
 9:         exit;
10:     }
11:
12: ?>
13:
14: <!DOCTYPE html
15:     PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
16:     "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
17:
18: <html xmlns="http://www.w3.org/1999/xhtml">
19:   <head>
20:     <title>Registered!</title>
21:   </head>
22:   <body>
23:     You are registered!  (Well, not really.)
24:   </body>
25: </html>
26:
```