```php
1.  <?
2.      /**
3.       * home.php
4.       *
5.       * A simple home page for these login demos.
6.       *
7.       * David J. Malan
8.       * Computer Science S-75
9.       * Harvard Summer School
10.      */
11.
12.      // enable sessions
13.      session_start();
14.  ?>
15.
16.  <!DOCTYPE html>
17.
18.  <html>
19.    <head>
20.      <title>Home</title>
21.    </head>
22.    <body>
23.      <h1>Home</h1>
24.      <h3>
25.        <? if (isset($_SESSION["authenticated"])) { ?>
26.          You are logged in!
27.          <br />
28.          <a href="logout.php">log out</a>
29.        <? } else { ?>
30.          You are not logged in!
31.        <? } ?>
32.      </h3>
33.      <br>
34.      <b>Login Demos</b>
35.      <ul>
36.        <li><a href="login5.php">version 5</a></li>
37.        <li><a href="login6.php">version 6</a></li>
38.        <li><a href="login7.php">version 7</a></li>
39.        <li><a href="login8.php">version 8</a></li>
40.      </ul>
41.    </body>
42.  </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.       * David J. Malan
9.       * Computer Science S-75
10.      * Harvard Summer School
11.      */

12.
13.      // enable sessions
14.      session_start();

15.
16.      // connect to database
17.      if (($connection = mysql_connect("", "", "")) === false)
18.          die("Could not connect to database");

19.
20.      // select database
21.      if (mysql_select_db("", $connection) === false)
22.          die("Could not select database");

23.
24.      // if username and password were submitted, check them
25.      if (isset($_POST["user"]) && isset($_POST["pass"]))
26.      {
27.          // prepare SQL
28.          $sql = sprintf("SELECT * FROM users WHERE user='%s'",
29.                         mysql_real_escape_string($_POST["user"]));

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.              // fetch row
40.              $row = mysql_fetch_assoc($result);

41.
42.              // check password
43.              if ($row["pass"] == $_POST["pass"])
44.              {
45.                  // remember that user's logged in
46.                  $_SESSION["authenticated"] = true;

47.
48.                  // redirect user to home page, using absolute path, per
```

```php
49.                 // http://us2.php.net/manual/en/function.header.php
50.                 $host = $_SERVER["HTTP_HOST"];
51.                 $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
52.                 header("Location: http://$host$path/home.php");
53.                 exit;
54.             }
55.         }
56.     }
57. ?>
58.
59. <!DOCTYPE html>
60.
61. <html>
62.   <head>
63.     <title>Log In</title>
64.   </head>
65.   <body>
66.     <form action="<?= $_SERVER["PHP_SELF"] ?>" method="post">
67.       <table>
68.         <tr>
69.           <td>Username:</td>
70.           <td>
71.             <input name="user" type="text"></td>
72.         </tr>
73.         <tr>
74.           <td>Password:</td>
75.           <td><input name="pass" type="password"></td>
76.         </tr>
77.         <tr>
78.           <td></td>
79.           <td><input type="submit" value="Log In"></td>
80.         </tr>
81.       </table>
82.     </form>
83.   </body>
84. </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.       * David J. Malan
9.       * Computer Science S-75
10.      * Harvard Summer School
11.      */
12.
13.      // enable sessions
14.      session_start();
15.
16.      // connect to database
17.      if (($connection = mysql_connect("", "", "")) === false)
18.          die("Could not connect to database");
19.
20.      // select database
21.      if (mysql_select_db("", $connection) === false)
22.          die("Could not select database");
23.
24.      // if username and password were submitted, check them
25.      if (isset($_POST["user"]) && isset($_POST["pass"]))
26.      {
27.          // prepare SQL
28.          $sql = sprintf("SELECT 1 FROM users WHERE user='%s' AND pass='%s'",
29.                          mysql_real_escape_string($_POST["user"]),
30.                          mysql_real_escape_string($_POST["pass"]));
31.
32.          // execute query
33.          $result = mysql_query($sql);
34.          if ($result === false)
35.              die("Could not query database");
36.
37.          // check whether we found a row
38.          if (mysql_num_rows($result) == 1)
39.          {
40.              // remember that user's logged in
41.              $_SESSION["authenticated"] = true;
42.
43.              // redirect user to home page, using absolute path, per
44.              // http://us2.php.net/manual/en/function.header.php
45.              $host = $_SERVER["HTTP_HOST"];
46.              $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
47.              header("Location: http://$host$path/home.php");
48.              exit;
```

```
49.            }
50.        }
51.    ?>
52.
53.    <!DOCTYPE html>
54.
55.    <html>
56.      <head>
57.        <title>Log In</title>
58.      </head>
59.      <body>
60.        <form action="<?= $_SERVER["PHP_SELF"] ?>" method="post">
61.          <table>
62.            <tr>
63.              <td>Username:</td>
64.              <td>
65.                <input name="user" type="text"></td>
66.            </tr>
67.            <tr>
68.              <td>Password:</td>
69.              <td><input name="pass" type="password"></td>
70.            </tr>
71.            <tr>
72.              <td></td>
73.              <td><input type="submit" value="Log In"></td>
74.            </tr>
75.          </table>
76.        </form>
77.      </body>
78.    </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.       * David J. Malan
9.       * Computer Science S-75
10.      * Harvard Summer School
11.      */

12.
13.     // enable sessions
14.     session_start();

15.
16.     // connect to database
17.     if (($connection = mysql_connect("", "", "")) === false)
18.         die("Could not connect to database");

19.
20.     // select database
21.     if (mysql_select_db("", $connection) === false)
22.         die("Could not select database");

23.
24.     // if username and password were submitted, check them
25.     if (isset($_POST["user"]) && isset($_POST["pass"]))
26.     {
27.         // prepare SQL
28.         $sql = sprintf("SELECT 1 FROM users WHERE user='%s' AND pass=PASSWORD('%s')",
29.                        mysql_real_escape_string($_POST["user"]),
30.                        mysql_real_escape_string($_POST["pass"]));

31.
32.         // execute query
33.         $result = mysql_query($sql);
34.         if ($result === false)
35.             die("Could not query database");

36.
37.         // check whether we found a row
38.         if (mysql_num_rows($result) == 1)
39.         {
40.             // remember that user's logged in
41.             $_SESSION["authenticated"] = true;

42.
43.             // redirect user to home page, using absolute path, per
44.             // http://us2.php.net/manual/en/function.header.php
45.             $host = $_SERVER["HTTP_HOST"];
46.             $path = rtrim(dirname($_SERVER["PHP_SELF"]), "/\\");
47.             header("Location: http://$host$path/home.php");
48.             exit;
```

```php
49.            }
50.        }
51.    ?>
52.
53.    <!DOCTYPE html>
54.
55.    <html>
56.        <head>
57.            <title>Log In</title>
58.        </head>
59.        <body>
60.            <form action="<?= $_SERVER["PHP_SELF"] ?>" method="post">
61.                <table>
62.                    <tr>
63.                        <td>Username:</td>
64.                        <td>
65.                            <input name="user" type="text"></td>
66.                    </tr>
67.                    <tr>
68.                        <td>Password:</td>
69.                        <td><input name="pass" type="password"></td>
70.                    </tr>
71.                    <tr>
72.                        <td></td>
73.                        <td><input type="submit" value="Log In"></td>
74.                    </tr>
75.                </table>
76.            </form>
77.        </body>
78.    </html>
```

```php
1.  <?
2.      /**
3.       * logout.php
4.       *
5.       * A simple logout module for all of our login modules.
6.       *
7.       * David J. Malan
8.       * Computer Science S-75
9.       * Harvard Summer School
10.      */
11.
12.     // enable sessions
13.     session_start();
14.
15.     // delete cookies, if any
16.     setcookie("user", "", time() - 3600);
17.     setcookie("pass", "", time() - 3600);
18.
19.     // log user out
20.     setcookie(session_name(), "", time() - 3600);
21.     session_destroy();
22.  ?>
23.
24.  <!DOCTYPE html>
25.
26.  <html>
27.    <head>
28.      <title>Log Out</title>
29.    </head>
30.    <body>
31.      <h1>You are logged out!</h1>
32.      <h3><a href="home.php">home</a></h3>
33.    </body>
34.  </html>
```

```
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>Lolcat of teh Day</title>
9.    </head>
10.   <body>
11.     <div align="center" style="padding: 20px;">
12.       <h1>Lolcat of teh Day</h1>
13.       <?
14.
15.           $xml = new SimpleXMLElement(file_get_contents("http://feedproxy.google.com/ICanHasCheezburger?format=xml"));
16.           $item = $xml->channel->item[0];
17.           preg_match("/^.* - (.*)</", $item->description, $matches);
18.           $alt = htmlspecialchars($matches[1], ENT_QUOTES);
19.           $link = $item->link;
20.           foreach ($item->children("http://search.yahoo.com/mrss/") as $content)
21.           {
22.               $attributes = $content->attributes();
23.               $src = $attributes["url"];
24.           }
25.           print("<a href='{$link}'><img alt='{$alt}' border='0' src='{$src}' /></a>");
26.
27.       ?>
28.     </div>
29.   </body>
30. </html>
```