



# Appendix **B**

## Solutions to Try This

## Example Solution for Chapter 2 Try This

There are, of course, many ways to carry out the tasks in Chapter 2's Try This. Here is one example that does that. It does not look very good because it only uses the minimal formatting inherent in HTML tags. In Chapter 3, we'll add some possible formatting using CSS. Listing B-1 and Figure B-1 show this example.

### Listing B-1

```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Chapter 2 Try This Example</title>
    <meta name="description" content="">
  </head>
  <body>
    <header>
      <h1>MATTHEWS TECHNOLOGY</h1>
      <hr />
    </header>
    <section>
      <h2>Making Technology Easy</h2>
      <h3>Quick Steps to Learning</h3>
      <p>Matthews Technology makes technology easy through books,
        articles, and consulting.</p>
      <p>
        Matthews Technology, in partnership with McGraw-Hill, created
        the QuickSteps series<br />
        of books, which are recipe books for computer users. In all
        our work our objective<br />
        is to facilitate the comfortable, easy use of computer
        technology for everyone.
      </p>
      <table border="1">
        <caption><b>Some Recent Books Include</b></caption>
        <tr>
          <th><b>Cover</b></th>
          <th><b>Title</b></th>
          <th><b>Author</b></th>
          <th><b>Publisher</b></th>
        </tr>
```



## MATTHEWS TECHNOLOGY




### Making Technology Easy

#### Quick Steps to Learning

Matthews Technology makes technology easy through books, articles, and consulting.

Matthews Technology, in partnership with McGraw-Hill, created the QuickSteps series of books, which are recipe books for computer users. In all our work our objective is to facilitate the comfortable, easy use of computer technology for everyone.

#### Some Recent Books Include

Cover	Title	Author	Publisher
	<i>iPad for Seniors QuickSteps</i>	Marty Matthews	McGraw-Hill Education
	<i>Windows 8 QuickSteps</i>	Marty Matthews	McGraw-Hill Education
	<i>Facebook for Seniors QuickSteps</i>	Carole Matthews	McGraw-Hill Education

#### Some other of our books

- *Dynamic Web Programming, A Beginner's Guide*
- *Windows 7 for Seniors QuickSteps*
- *Computing for Seniors QuickSteps*

#### Enter your name and email for further information

Name:

Email Address:

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Figure B-1 Chapter 2 Try This Example

## Example Solution for Chapter 3 Try This

I began by modifying the script I created for the Chapter 2 Try This. I add the `<link>` tag with its attributes. Then I add the IDs and classes to the various tags. I remove the character formatting because I'll put it in the CSS. Finally, I create a style sheet to add the styling I want. You can see how I did this in Listings B-2a and B-2b and the resulting page in Figure B-2.

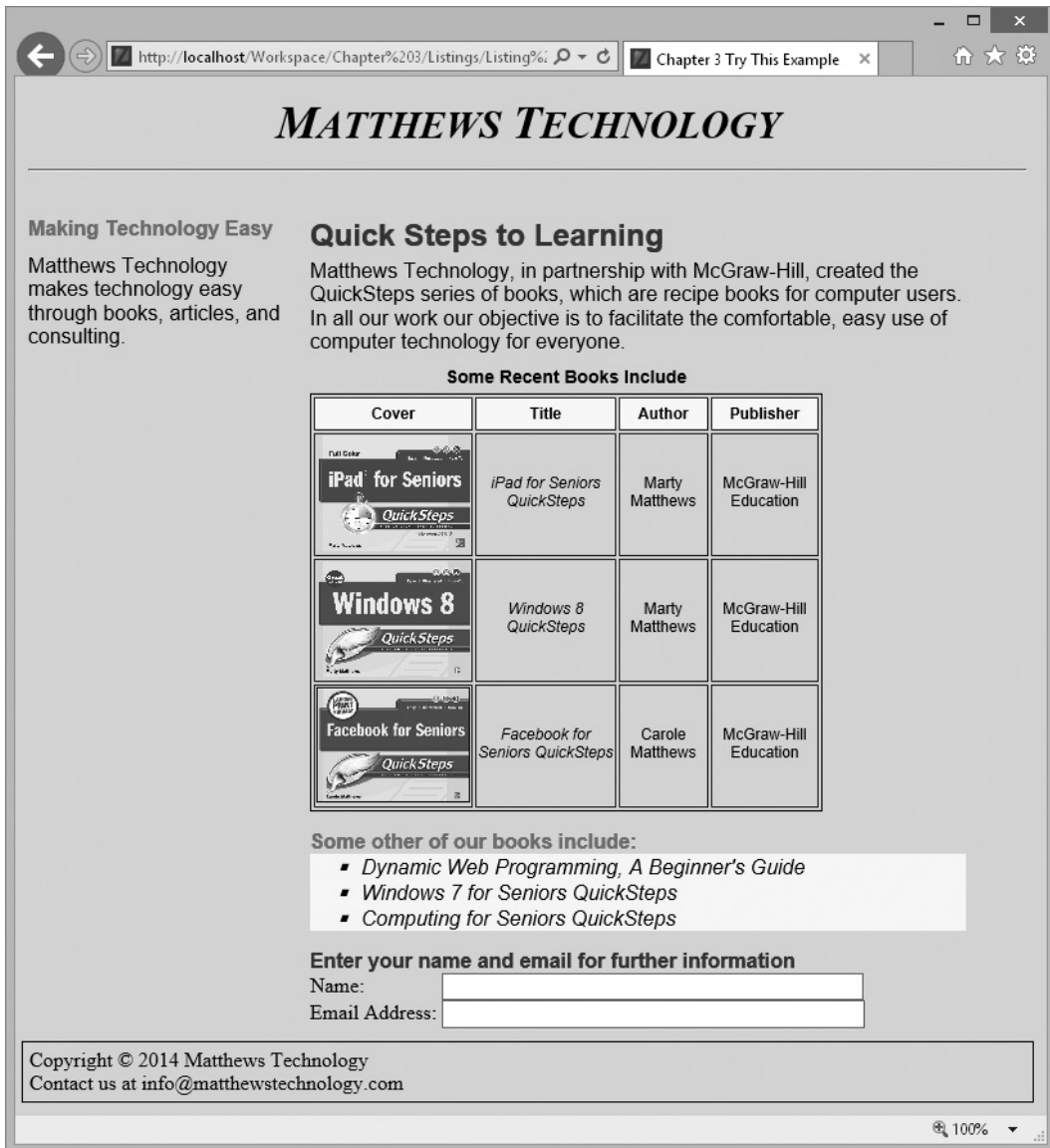


Figure B-2 Chapter 3 Try This Example

**Listing B-2a** HTML for Chapter 3 Try This Example

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <title>Chapter 3 Try This Example</title>
    <meta name="description" content="">
    <link rel="stylesheet" type="text/css" href="Listing 3-
      TryIt.css" />
  </head>
  <body>
    <header>
      <h1 id="title">Matthews Technology</h1>
      <hr />
    </header>
    <aside id="left">
      <h3 id="hleft">Making Technology Easy</h3>
      <p id="pleft">Matthews Technology makes technology easy
        through books, articles, and consulting.</p>
    </aside>
    <section id="main">
      <h2 id="hmain" >Quick Steps to Learning</h2>
      <p id="pmain">
        Matthews Technology, in partnership with McGraw-Hill,
        created the QuickSteps series of books, which are
        recipe books for computer users. In all our work our
        objective is to facilitate the comfortable, easy use
        of computer technology for everyone.
      </p>
      <table border="1">
        <caption>Some Recent Books Include</caption>
        <thead>
          <tr>
            <th>Cover</th>
            <th>Title</th>
            <th>Author</th>
            <th>Publisher</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td class="cover"></td>
            <td class="book">iPad for Seniors

```



**Listing B-2b** CSS for Chapter 3 Try This Example

```

body {
    background : #dcdcdc;
    width : 800px;
    margin : 0;
    padding : 0;
}
header, aside, section, footer, h1, h2, h3, p
{
    margin : 0;
    padding : 0;
}
header {
    top : 0px;
    left : 0px;
    height : 80px;
    margin : 5px;
    padding : 5px;
}
h1#title {
    font : italic small-caps 600 36px /1.5em "Futura" ;
    text-align : center;
    vertical-align : middle;
}
aside#left {
    float : left;
    width : 25%;
    margin : 5px;
    padding : 5px;
}
h3#hleft {
    font : bold 16px "Arial" ;
    color: #FF0000;
    padding-bottom : 10px
}
p#pleft { font : 16px Arial, Helvetica, sans-serif ; }
section#main {
    float : left;
    width : 64%;
    margin : 5px;
    padding : 5px;
}
h2#hmain {
    font : bold 24px "Arial" ;
    color: #0000FF;

```



```
        padding-bottom : 5px;
    }
    p#pmain {
        font : 16px Arial, Helvetica, sans-serif ;
        padding-bottom : 10px;
    }
    table {
        background : #dcdcdc;
        border : thin solid;
        width : 400px;
    }
    thead { background : #fffacd;
        font-weight : bold;
        text-align : center;
        padding-right : 12px;
    }
    caption {
        font : bold 14px "arial";
        padding-bottom : 5px;
    }
    th {
        font : bold 12px "arial";
        text-align : center;
        padding-top : 5px;
        padding-bottom : 5px;
    }
    td {
        font : 12px "arial";
        text-align : center;
        padding-bottom : 5px;
    }
    td.cover {padding-bottom : 0px; }
    td.book {
        font : italic 12px "arial";
        text-align : center;
        padding-bottom : 5px;
    }
    h3#list {
        font : bold 16px "Arial" ;
        color: #FF0000;
        padding-top : 15px ;
        padding-bottom : 0px ;
    }
    ul {
        background : #fafad2;
        padding-top : 0;
```

```

        margin : 0;
        font : bold 12pt arial;
        list-style-type : square;
    }
li    {
    font : italic 12pt arial;
    }
h3#form {
    font : bold 16px "Arial" ;
    color: #0000FF;
    padding-top : 15px ;
    padding-bottom : 0px ;
    }
footer {
    clear: both ;
    margin : 5px;
    border : thin solid;
    padding : 5px;
    }

```

---

## Example Solution for Chapter 4 Try This

I began by identifying and laying out the fields that I wanted in the form and then establishing what I wanted to do with the fields using JavaScript. Finally, I added a bit of CSS to improve the looks. You can see how I did this in Listing B-3a, b, and c for the HTML, JavaScript, and CSS. The resulting page is shown in Figure B-3.

### Listing B-3a HTML for Chapter 4 Try This Example

```

<!DOCTYPE html>
<html>
    <head>
        <meta charset="utf-8">
        <title>Listing 4-TryIt HTML</title>
        <script type="text/javascript" src="Listing 4-TryIt.js"></script>
        <link rel="stylesheet" type="text/css" href="Listing 4-TryIt.css"/>
    </head>
    <body onload="setfocus();">
        <h1>H M C Galleries</h1>
        <form name="registration" onsubmit="return validateform();"
            action="Listing 4-TryIt.html">
            <fieldset id="registration">
                <legend>Visitor Registration</legend>
                Please enter your information and chosen password:<br />
                First Name: <input type="text" name="firstname" size="20"

```

The screenshot shows a web browser window with the address bar displaying 'http://localhost/Workspace/Chap' and the page title 'Listing 4-TryIt HTML'. The main content area features a form titled 'H M C Galleries'.

**Visitor Registration**

Please enter your information and chosen password:

First Name:  Last Name:

Street Address:

City:  State:  ZIP:

Enter email:

Confirm email:

Enter password:

Confirm password:

**Interests**

New to site?: Yes ☐ No ☐

Choose the products in which you are interested:

Art:  Artist:

Please enter any comments that wish to leave:

At the bottom of the form, there are two buttons: 'Submit Form' and 'Reset'.

### Figure B-3 Chapter 4 Try This Example

```
</>&nbsp&nbsp&nbsp;  
Last Name: <input type="text" name="lastname" size="20"  
</><br />  
Street Address: <input type="text" name="street" size="40"  
</><br />  
City: <input type="text" name="city" size="20" />  
&nbsp&nbsp&nbsp;  
State: <input type="text" name="State" size="4" />  
&nbsp&nbsp&nbsp;  
ZIP: <input type="text" name="zip" size="10" /><br />  
Enter email: &nbsp&nbsp&nbsp; <input type="text" name="email1"  
</><br />
```

```

        Confirm email: <input type="text" name="email2" /><br>
        Enter password: &nbsp; <input type="password"
            name="pwd1" /><br />
        Confirm password: <input type="password" name="pwd2"
            /><br/>
    </fieldset>
    <p>&nbsp;</p>
    <fieldset id="interests">
        <legend>Interests</legend>
        New to site?: Yes <input type="checkbox" />
            No <input type="checkbox" /><br /><br />
        Choose the products in which you are interested:<br />
        Art:&nbsp;<select name="products" onchange="window.location
            =document.menu.products.options
            [document.menu.products.selectedIndex].value;">
            <option selected value="">Paintings</option>
            <option value="sculpture.html">Sculpture</option>
            <option value="pottery.html">Pottery</option>
            <option value="drawings.html">Drawings</option>
        </select>&nbsp;<br /> &nbsp;<br />
        Artist:&nbsp;<select name="artists" onchange="window.location
            =document.menu.artists.options
            [document.menu.artists.selectedIndex].value;">
            <option selected value="">Picasso</option>
            <option value="vangogh.html">van Gogh</option>
            <option value="rembrandt.html">Rembrandt</option>
            <option value="monet.html">Monet</option>
        </select><br /><br /><br />
        Please enter any comments that wish to leave:<br />
        <textarea name="comments" rows="10" cols="50">
            &nbsp;</textarea><br />
    </fieldset>
    <p>&nbsp;</p>
    <input type="submit" value="Submit Form" />
    <input type="reset" />
</form>
</body>
</html>

```

## Listing B-3b JavaScript for Chapter 4 Try This Example

```

/* Chapter 4 TryIt Example
 * Listing 4-TryIt.js */

function setfocus(){
    document.registration.firstname.focus();
}

var minlength=8;
function validateform(){

```

```
if (document.registration.firstname.value==""){
    window.alert("Please enter your first name");
    document.registration.firstname.focus();
    return false;
}
if (document.registration.lastname.value==""){
    window.alert("Please enter your last name");
    document.registration.lastname.focus();
    return false;
}
if (document.registration.email1.value==""){
    window.alert("Please enter your email address");
    document.registration.email1.focus();
    return false;
}
if (document.registration.email2.value==""){
    window.alert("Please confirm your email address");
    document.registration.email2.focus();
    return false;
}
if (document.registration.email1.value !=
    document.registration.email2.value){
    window.alert("Your two email entries are not the same.");
    document.registration.email1.focus();
    document.registration.email1.select();
    return false
}
if (document.registration.pwd1.value==""){
    window.alert("Please enter a password");
    document.registration.pwd1.focus();
    return false;
}
if (document.registration.pwd1.value.length < minlength){
    window.alert("The password must be at least
    "+minlength+" characters long");
    document.registration.pwd1.focus();
    return false;
}
if (document.registration.pwd1.value !=
    document.registration.pwd2.value){
    window.alert("Your two password entries are not
    the same.");
    document.registration.pwd1.focus();
    document.registration.pwd1.select();
    return false
}
else {
    window.alert("Thank you for registering.");
    return true;
}
}
```

---

**Listing B-3c** CSS for Chapter 4 Try This Example

```

/* Chapter 4 TryIt Example
 * Listing 4-TryIt.css */

body
    {
        width : 600px;
        margin : 0;
        padding : 0;
    }

h1, p    {
        margin : 0;
        padding : 0;
    }

h1
    {
        text-align :center;
        color : #8b0000;
        font : 600 30px "Palatino Linotype" ;
        text-decoration : underline;
    }

legend    { font : 18px "Trebuchet", "Helvetica", sans-serif ; }

fieldset#registration {
    background-color : #FFFFD6 ;
    font : 14px "Trebuchet", "Helvetica", sans-serif ;
    margin-left : 5px ;
    border : 2px solid #FFFF00 ;
}

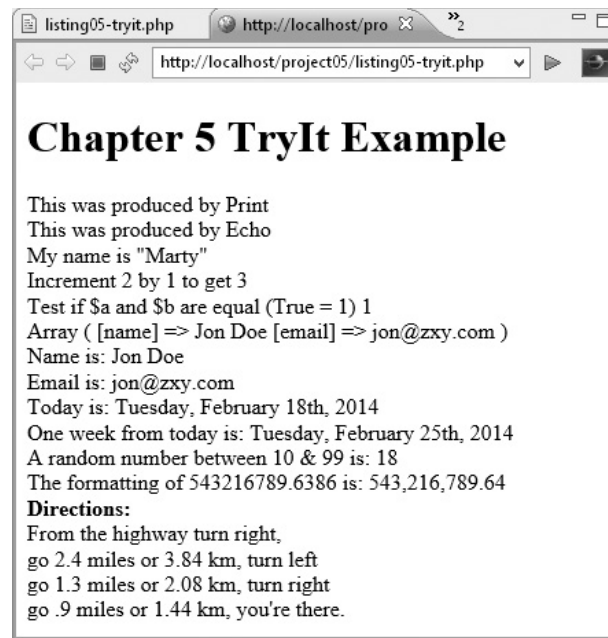
fieldset#interests {
    background-color : #CCFFCC ;
    font : 14px "Trebuchet", "Helvetica", sans-serif ;
    margin-left : 5px ;
    border : 2px solid #009900 ;
}

```

---

## Example Solution for Chapter 5 Try This

Listing B-4 provides an example that fulfills all of the requested points, and Figure B-4 displays the results.

**Figure B-4** Chapter 5 Try This Example**Listing B-4**

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>listing05-tryit</title>
  </head>
  <body>
    <h1>Chapter 5 TryIt Example</h1>
    <?php
      print "This was produced by Print <br />";
      echo "This was produced by Echo <br />";
      //This is also a comment
      print "My name is \"Marty\" <br />";
      $a = 2; $b = 3;
      echo "Increment $a by 1 to get ", ++$a, "<br />";
      echo "Test if \$a and \$b are equal (True = 1) ", $a == $b,
        "<br />";
    </?php>
  </body>
</html>

```

```

$nameEntry = array(
    "name" => "Jon Doe", "email" => "jon@zxy.com", );
print_r($nameEntry);
echo "<br />";
echo "Name is: ", $nameEntry ["name"], "<br />";
echo "Email is: ", $nameEntry ["email"], "<br />";
echo "Today is: ", date("l, F jS, Y"), "<br />";
$oneweek = (7 * 24 * 60 * 60);
$oneweekFrNow = Time() + $oneweek;
echo "One week from today is: ",
date("l, F jS, Y", $oneweekFrNow), "<br />";
echo "A random number between 10 & 99 is: ", rand(10,99),
"<br />";
echo "The formatting of 543216789.6386 is: ",
number_format(543216789.6386, 2), "<br />";
function tokm($miles)
{
    $km = $miles * 1.6;
    return $km ;
}
echo "<b>Directions:</b>", "<br />", "From the highway
turn right,", "<br />",
"go 2.4 miles or ", tokm(2.4), " km, turn left", "<br />",
"go 1.3 miles or ", tokm(1.3), " km, turn right", "<br />",
"go .9 miles or ", tokm(.9), " km, you're there.", "<br />";
?>
</body>
</html>

```

## Example Solution for Chapter 6 Try This

The issues with this script are more about handling time comparisons than they are about the cookie, while, if/else, and switch statements. I must admit that this took me a bit to get it debugged (with more than a little help from my technical editor, Christie Sorenson). Having a lot of echo statements really helped. These can be changed to comments in a final script.

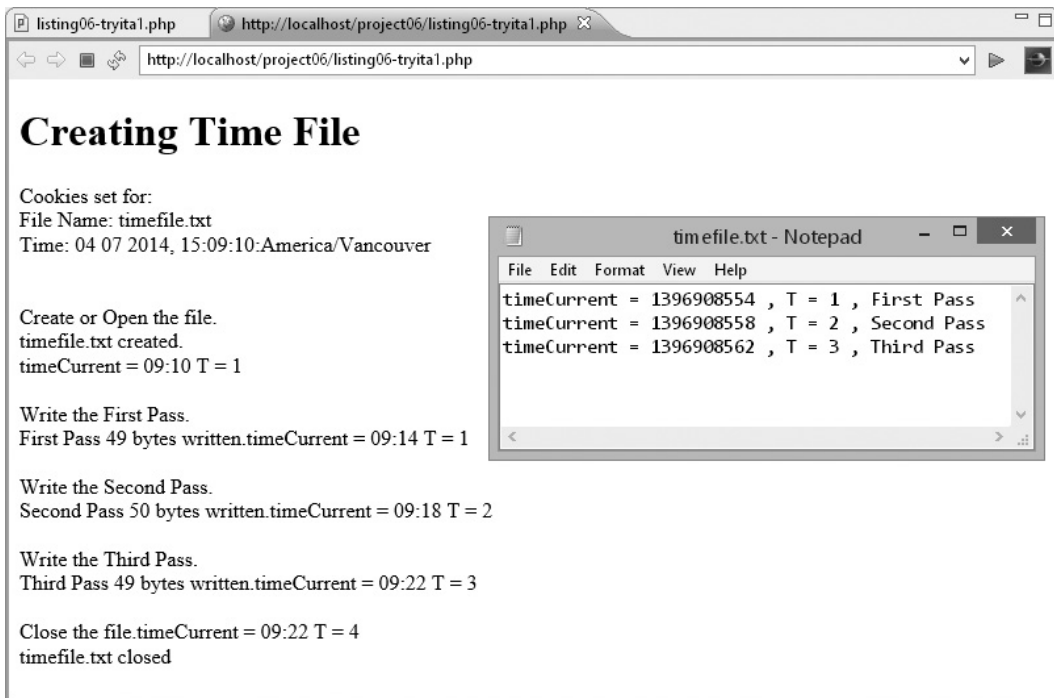
### Listing B-5a Set Cookie and Create File

```

<?php
//Set cookies for filename and time
$name = "timefile.txt" ;
date_default_timezone_set('America/Vancouver');

```



**Figure B-5a** Chapter 6 Try This Example

```
$time = time() ;
$expire = $time + (60*60*2);
setcookie("MyCookie[name]", $name, $expire, "/");
setcookie("MyCookie[time]", $time, $expire, "/");
?>
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Chapter 6 TryIt Example Script A</title>
  </head>
  <body>
    <h1>Creating Time File</h1>
    <?php
      echo "Cookies set for:", "<br />";
      echo "File Name: ", $name, "<br />";
      echo "Time: ", date('m d Y, H:i:s:e', $time), "<br />";
      echo "<br /> <br />", "Create or Open the file.", "<br />";
      $fp = fopen("timefile.txt", "a+");
```

```

if ($fp){
    echo "timefile.txt created.", "<br />";
}
else {
    echo "timefile.txt cannot be opened.", "<br />";
}
$timeCurrent = $time;
$t = 1;
echo timeCurrent = " , date('i:s', $timeCurrent) , " T = " ,
    $t, "<br />";
//Do it for 10 seconds
while ($timeCurrent < $time + 10){
    $time2 = time();
    $timeCurrent = $time2 ;
    //Do it every 4 seconds
    while ($timeCurrent 2 < $time2 + 4 ) {
        $time3 = time();
        $timeCurrent = $time3;
    }
    switch ($t) {
        case 1:
            echo "<br />", "Write the First Pass.", "
            <br />"; $bytes1 = fwrite ($fp, timeCurrent
            = $timeCurrent , T = $t , First Pass
            \r\n");
            if ($bytes1){
                echo "First Pass ", $bytes1, " bytes
                written.", timeCurrent = " , date('i:s'
                , $timeCurrent) , " T = " , $t, "<br
                />";
            }
            else {
                echo "First Pass ", "File not written.",
                timeCurrent = " , date('i:s',
                $timeCurrent) , " T = "
                , $t, "<br />";
            }
        }
        break;
        case 2:
            echo "<br />", "Write the Second Pass.", "
            <br />"; $bytes2 = fwrite ($fp, timeCurrent
            = $timeCurrent , T = $t , Second Pass
            \r\n");
            if ($bytes2){
                echo "Second Pass ", $bytes2, " bytes
                written.", timeCurrent = " , date('i:s'
                , $timeCurrent) , " T = " , $t, "<br
                />";
            }
    }
}

```

```

    }
    else {
        echo "Second Pass ", "File not written.",
            timeCurrent = " , date('i:s',
                $timeCurrent) , " T = "
                , $t, " <br />";
    }
    break;
case 3:
    echo "<br />", "Write the Third Pass.", "
    <br />"; $bytes3 = fwrite ($fp, timeCurrent
        = $timeCurrent , T = $t , Third Pass
        \r\n");
    if ($bytes3){
        echo "Third Pass ", $bytes3, " bytes
            written.", timeCurrent = " , date('i:s',
                $timeCurrent) , " T = " , $t, " <br
                />";
    }
    else {
        echo "Third Pass ", "File not written.",
            timeCurrent = " , date('i:s',
                $timeCurrent) , " T = "
                , $t, " <br />";
    }
    break;
default:
    echo "<br />", "No Pass taken. File not
        written.", timeCurrent = " , date('i:s',
            $timeCurrent) , "
            T = " , $t, " <br />";
    }
    ++$t;
}
echo "<br />", "Close the file.", timeCurrent = " , date('i:s',
    $timeCurrent) , " T = " , $t, " <br />";
if (fclose ($fp)) {
    echo " timefile.txt closed", " <br />";
}
else {
    echo "timefile.txt not closed.", " <br />";
}

?>
</body>
</html>

```

---

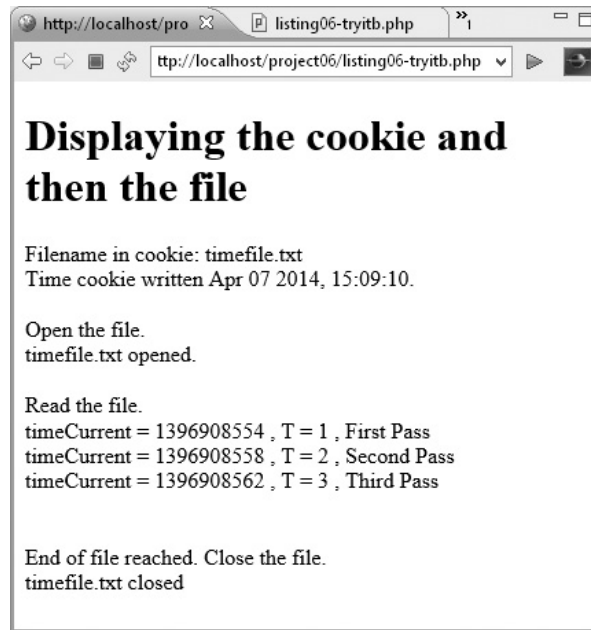
**Listing B-5b**    Display Cookie and File

```

<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Chapter 6 TryIt Example Script B</title>
  </head>
  <body>
    <h1>Displaying the cookie and then the file</h1>
    <?php
      date_default_timezone_set('America/Vancouver');
      if (isset ($_COOKIE["MyCookie"])) { //Check if there
        echo "Filename in cookie: ", $_COOKIE["MyCookie"]
          [name], " <br />";
        echo "Time cookie written ", date('M d Y, H:i:s',
          $_COOKIE["MyCookie"][time]), ". <br />";
      }
      else {
        echo "Cookie is not set. <br />";
      }
      $file = $_COOKIE["MyCookie"][name];
      echo "<br />", "Open the file.", "<br />";
      $fp = fopen($file, "r");
      if ($fp){
        echo $file, " opened.", "<br />";
      }
      else {
        echo $file, " cannot be opened.", "<br />";
      }
      echo "<br />", "Read the file.", "<br />";
      while (! feof ($fp)) { //Test for NOT end of file
        $data = fgets ($fp); //Reads a line ended by \n
        echo $data, "<br />";
      }
      echo "<br />", "End of file reached. Close the file.", "<br />";
      if (fclose ($fp)) {
        echo $file, " closed", "<br />";
      }
      else {
        echo $file, " not closed.", "<br />";
      }
    ?>
  </body>
</html>

```

---



**Figure B-5b** Chapter 6 Try This Example

## Example Solution for Chapter 7 Try This

My example is an inventory list. The first set of tasks prior to the form is shown in Listing B-6a and Figure B-6a. Listing B-6b and Figure B-6b show the form and PHP code needed to write it to disk. The illustration following the listing shows the text file that was written.

### Listing B-6a Create the Array

```

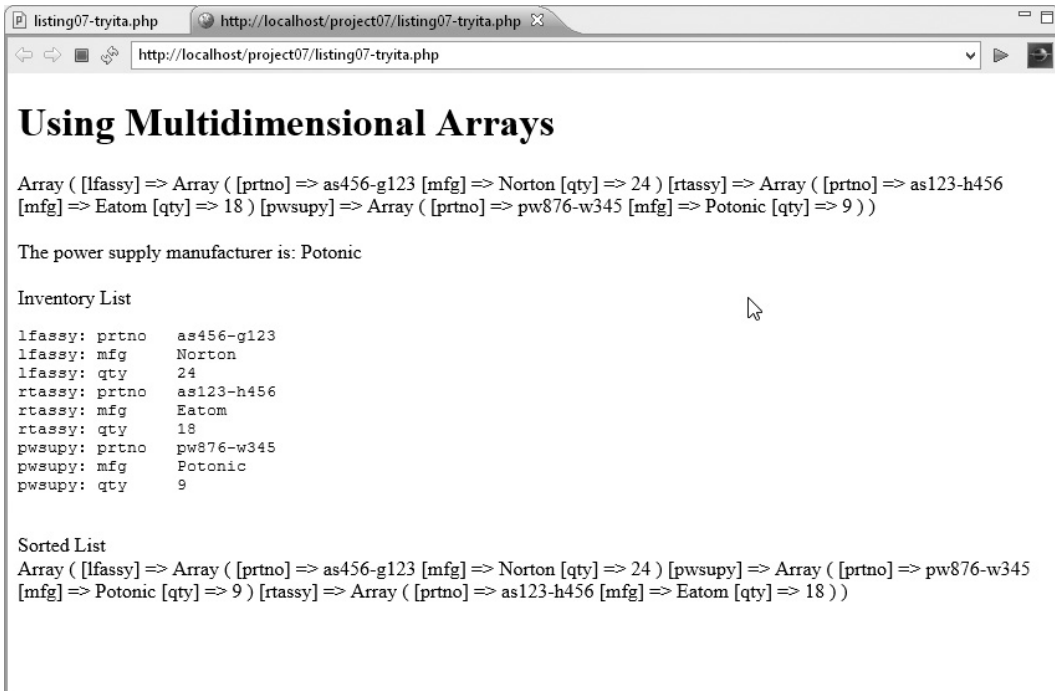
<!DOCTYPE html>
<html>
  <head>
    <title>Listing 7-TryIt a</title>
  </head>
  <body>
    <h1>Using Multidimensional Arrays</h1>
    <?php
      $inventory=array(
        "lfassy"=>array("prtno"=>"as456-g123",
          "mfg"=>"Norton", "qty"=>24),
  
```

```

        "rtassy"=>array("prtno"=>"as123-h456",
            "mfg"=>"Eatom", "qty"=>18),
        "pwsupy"=>array("prtno"=>"pw876-w345",
            "mfg"=>"Potonic", "qty"=>9));
    print_r($inventory);
    echo "<br /><br />The power supply manufacturer is:
    ", $inventory ["pwsupy"] ["mfg"], "<br />";
    echo "<br />Inventory List<pre>";
    foreach ($inventory as $part => $info)
        foreach ($info as $key => $value )
            echo "$part:\t$key\t$value<br />";
    echo "</pre>";
    echo "<br />Sorted List<br />";
    ksort($inventory);
    print_r($inventory);

?>
</body>
</html>

```



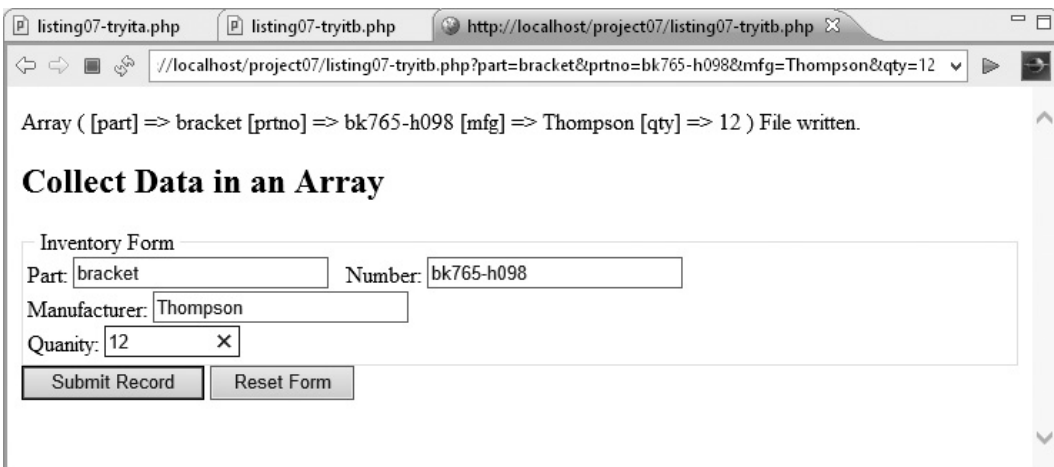
**Figure B-6a** Chapter 7 Try This Example, first part

**Listing B-6b** Load and Display the Array

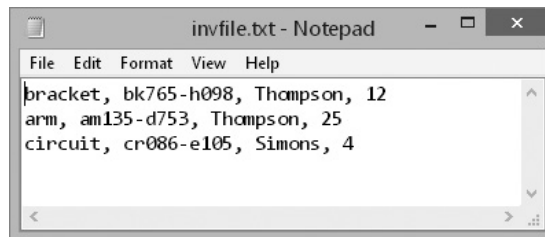
```

<?php
print_r($_GET);
$invrec = implode(" ", $_GET);
$finalrec = $invrec . "\r\n" ;
$fp = fopen("invfile.txt", "a");
If (fwrite ($fp, $finalrec) == FALSE) {
    echo "Cannot write file.", "<br />";
}
else {
    echo "File written.", "<br />";
}
?>
<!DOCTYPE html>
<html>
<head>
<title>Listing 7-TryIt b</title>
<script type= "text/javascript">
function validateform(){
    if (document.invform.part.value=="") {
        window.alert("Please enter the part name");
        document.invform.part.focus();
        return false;
    }
}

```

**Figure B-6b** Chapter 7 Try This Example, second part

```
        if (document.invform.prtno.value==""){
            window.alert("Please enter the part number");
            document.invform.email.focus();
            return false;
        }
        else {
            window.alert("Thank you for the entry");
            return true;
        }
    }
</script>
</head>
<body onload = "document.invform.part.focus();" >
    <h2>Collect Data in an Array</h2>
    <form name="invform" onSubmit="return validateform();"
        method="get">
        <fieldset>
            <legend>Inventory Form</legend>
            Part: <input type="text" name="part" size="24"
                />&nbsp;   &nbsp;  
            Number: <input type="text" name="prtno" size="24"
                /><br />
            Manufacturer: <input type="text" name="mfg" size="24"
                /><br />
            Quantity: <input type="text" name="qty" size="10"
                /><br />
        </fieldset>
        <input type="submit" value="Submit Record" />
        <input type="reset" value="Reset Form" />
    </form>
</body>
</html>
```





## Example Solution for Chapter 8 Try This

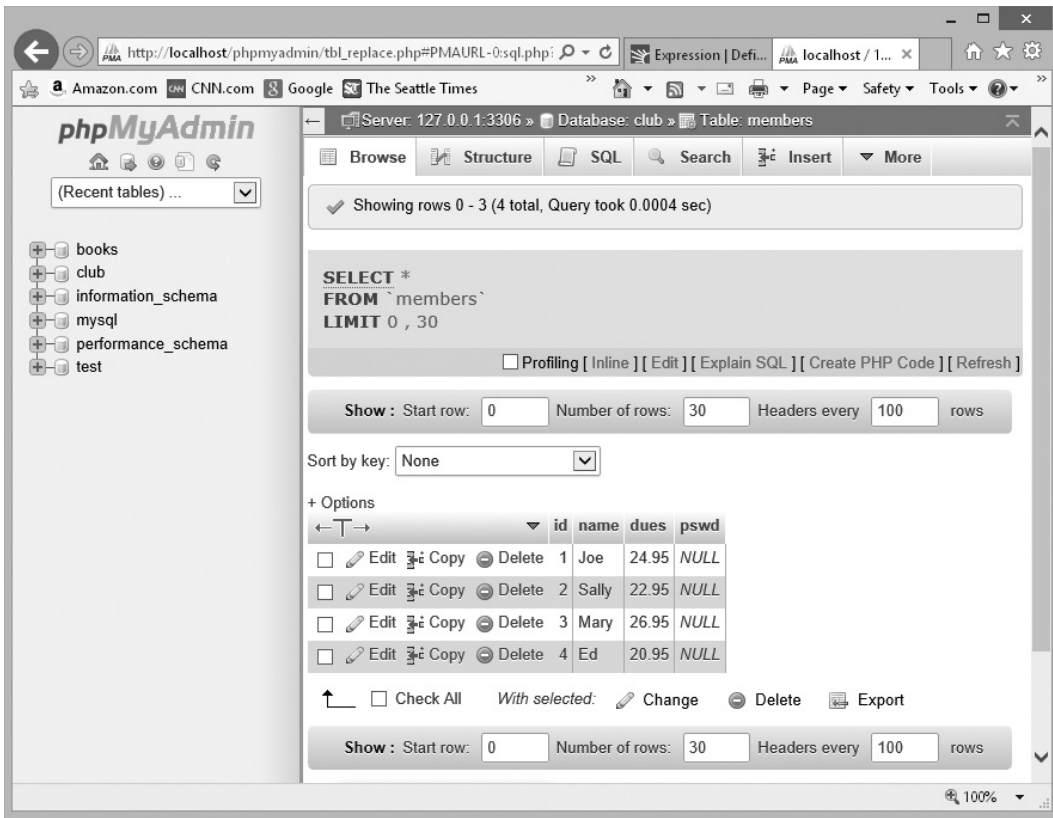
Since Chapter 8 is an example of what I'm asking you to try, I won't do an additional example here.

## Example Solution for Chapter 9 Try This

Since Chapter 9 has an example of what I'm asking you to try, I won't do an additional example.

## Example Solution for Chapter 10 Try This

- A. Here are the steps to build and insert records in phpMyAdmin for a small database named "club" with a table named "members" and fields (columns) named "id," "name," "dues," and "pswd."
  1. Open a browser and type **localhost/phpMyAdmin** in the address bar.
  2. From the home screen, click the Databases tab. Under Create Database, type **club**, and click Create.
  3. Click club in the left column. Under Create Table, type **members**, press TAB, type **4**, and click GO.
  4. Enter these column values:
    - `id INT Primary AI` for a primary index named "id" that is an integer and autoincremented
    - `name VARCHAR 60`
    - `dues DECIMAL 4, 2`
    - `pswd BLOB default: NULL`
  5. Click Save, click the Insert tab, and enter these records, clicking Go as needed:
    - Name: Joe, dues: 24.95
    - Name: Sally, dues: 22.95
    - Name: Mary, dues: 26.95
    - Name: Ed, dues: 20.95
  6. Click the Browse tab to see your work. Mine is shown in Figure B-7.



**Figure B-7** The result of building and entering records into the members table.

**B.** Here are the steps for some possible queries of the database that was built:

1. In phpMyAdmin, click the SQL tab. You should see a `SELECT` statement ready to be modified for your query.

2. In place of the 1 at the end of the statement, type your query, such as **dues < 25.00** or in place of WHERE 1, type **ORDER BY name**. My results are shown next.

```
SELECT *
FROM `members`
WHERE `dues` < 25.00
LIMIT 0 , 30
```

☐ Profiling [ Inline ] [ Edit ] [ Explain ]

Show : Start row:  Number of rows:

Sort by key:

+ Options

	id	name	dues	pswd
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Joe	24.95	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Sally	22.95	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Ed	20.95	NULL

```
SELECT *
FROM `members`
ORDER BY name
LIMIT 0 , 30
```

☐ Profiling [ Inline ] [ Edit ] [ Explain ]

Show : Start row:  Number of rows:  He

Sort by key:

+ Options

	id	name	dues	pswd
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	4	Ed	20.95	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	1	Joe	24.95	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	3	Mary	26.95	NULL
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Sally	22.95	NULL

- C. The necessary expression is shown next.

```
SELECT ROUND( RAND( ) *10 )
ROUND(RAND()*10)
7
```

- D. In the standard **SELECT** statement, replace the 1 at the end with the expression shown next.

```
SELECT *
FROM `members`
WHERE `name` LIKE 'sal%'
LIMIT 0 , 30
```

	id	name	dues	pswd
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	2	Sally	22.95	NULL

- E. After `SELECT` enter `DATE_FORMAT(NOW(), '%M %D, %Y %H:%I:%S')`, like this:

```
SELECT DATE_FORMAT( NOW( ) , '%M %D, %Y %H:%I:%S' )
DATE_FORMAT(NOW(), '%M %D, %Y %H:%I:%S')
April 26th, 2014 14:02:28
```

- F. Use `INSERT INTO members (name, dues, pswd) VALUES ('Bill', '23.95', AES_ENCRYPT('password', 'key'))`; then use `SELECT name, AES_DECRYPT(pswd, 'key') FROM members WHERE name = 'Bill'`; for the results shown next.

```
SELECT name, AES_DECRYPT( pswd, 'key' )
FROM `members`
WHERE name = 'Bill'
LIMIT 0 , 30
```

name	AES_DECRYPT(pswd, 'key')
Bill	password

## Example Solution for Chapter 11 Try This

Chapter 11 provides examples of all items requested.

## Example Solution for Chapter 12 Try This

Listing 12-3 provides a good example of what is requested here.

## Example Solution for Chapter 13 Try This

The example app in the chapter serves as a good comparison of what you might do.

## Example Solution for Chapter 14 Try This

The example app in the chapter serves as a good comparison of what you might do.