ANSWER KEY
Exam I
CIS 228: The Internet
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Lehman College
City University of New York
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1. True or False:

   (a) **F** An element with only an opening tag is called a half element.

   (b) **F** Every opening tag must have an attribute.

   (c) **F** To specify the source for an image tag, you must always include the domain name (i.e. URL) of the server on which the file is located.

   (d) **F** `src` is an example of a tag.

   (e) **F** In HTML, only images in GIF format are allowed.

   (f) **F** The <q> and <blockquote> do exactly the same thing.

   (g) **T** Images can be used as the destination for a link.

   (h) **T** The <meta> goes into the <head> section of a webpage.

   (i) **T** All compliant browsers can display strict HTML.

   (j) **T** In strict XHTML, the opening <html> tag needs extra attributes.

2. Answer in two sentences or less the following:

   (a) What is HTML?
       `HTML is HyperText Markup Language and is used to give structure to webpages.`

   (b) What is XHTML?
       `XHTML is eXtensible HTML which combines HTML and XML, eXtensible Markup Language`

   (c) How do they differ? `Unlike HTML, XHTML can be extended to handle additional formatting (like mathematical formulas or vector graphics) and has added benefits of XML like storing large structured data.`

3. Set up the links for the following:

   (a) A link with the label "Favorite Places" and a destination of `places.html`:

       `<a href="places.html">Favorite Places</a>`

   (b) A link with the label "All the News" and a destination of `http://nytimes.com`:

```
<a href="http://nytimes.com">All the News</a>
```

   (c) A link with the label "Map" and a destination of `directions.html` that pops up in a new window.

```
<a href="directions.html" target="mapWindow">Map</a>
```

4. Identify each of the following as an inline or a block element:

   (a) <u>inline</u> `a`

   (b) <u>block</u> `ol`

   (c) <u>block</u> `h1`

   (d) <u>block</u> `blockquote`

   (e) <u>block</u> `p`

5. Be the browser: what is displayed with the following HTML code:

```
<html>
<head>
  <title>Lab 7 for CIS 228, Lehman College, CUNY, Fall 2009</title>
</head>
<body>
<h2>Lab 7</h2>
<h3>CIS 228: The Internet <br>
Lehman College, City University of New York<br>
Fall 2009
</h3>
<h3>General Information &amp; Getting Started</h3>
<p>See <a href="lab1.html">Lab 1</a> for more details on getting
started and the rules for the lab.</p>
<p>Today's lab focuses on an extension of HTML called XHTML. As in
last lab, we will focus on good form for our pages, verifying this
by using an XHTML validator.  </p>
</body>
</html>
```

Lab 7

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Lehman College, City University of New York
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General Information & Getting Started

See Lab 1 for more details on getting started and the rules for the lab.

Today's lab focuses on an extension of HTML called XHTML. As in last lab, we will focus on good form for our pages, verifying this by using an XHTML validator.

6. Write the HTML that would display the following:

   (a)
```
The first lady of the United States, Eleanor Roosevelt said, "Do
one thing every day that scares you."
```

```
<p>
The first lady of the United States, Eleanor Roosevelt
said, <q>Do one thing every day that scares you.</q>
</p>
```

   (b) From Maya Angelou:

```
    I note the obvious differences
    between each sort and type,
    but we are more alike, my friends,
    than we are unalike.
```

```
<p>
From Maya Angelou:
</p>
<blockquote>
<p>
    I note the obvious differences <br>
    between each sort and type, <br>
    but we are more alike, my friends, <br>
    than we are unalike.
</p>
</blockquote>
```

7. Write the HTML to:

(a) display the picture, `blue.jpg` with alternative attribute, "Blueberry drink picture":

```
<img src="blue.jpg" alt="Blueberry drink picture">
```
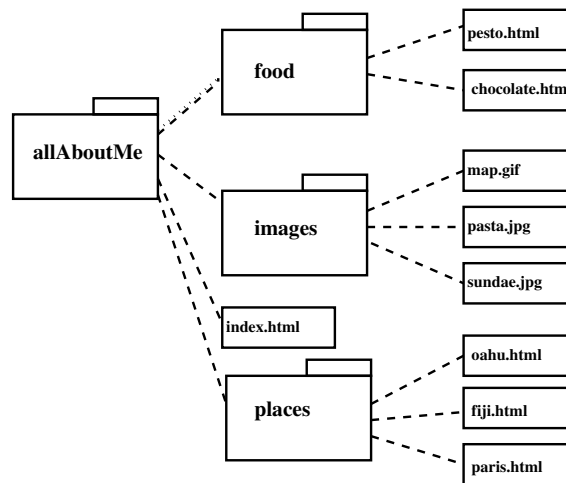
(b) links to `html/seattle.html`, using the image `thumbnail/seattle.jpg` as the label.

```
<a href="html/seattle.html>
      <img src="thumbnail/seattle.jpg">
</a>
```

8. Consider the following directory (folder) structure:

(a) In the file, `index.html`, write the HTML that will link to the file describing Fiji in the `places` folder, with label, "My Favorite Place"

```
<a href="places/fiji.html">My Favorite Place</a>
```

(b) In the file, `paris.html`, write the HTML that will display the image `map.gif`.

```
<img src="../images/map.gif">
```

(c) In the file, `pesto.html`, write the HTML that displays the image `pasta.jpg`.

```
<img src="../images/pasta.jpg">
```

(d) In the file, `oahu.html`, write the HTML that links to the `index.html` file, with the label "Return to front page."

```
<a href="../index.html">Return to front page</a>
```

9. Write a COMPLETE webpage that lists at least three schools that you have attended. Use an unordered list and proper HTML for the page.

```
<html>
  <head>
    <title>Schools</title>
  </head>
  <body>
    <h1>Schools Attended</h1>
    <ul>
      <li>Smith College</li>
      <li>Johns Hopkins University</li>
      <li>UCLA</li>
    </ul>
  </body>
</html>
```

10. (a) Modify the following page to be in strict HTML 4.01. Use the appropriate
    <doctype> and <meta> elements and fix non-compliant parts:

```
<html>
  <head>
  </head>
  <body>
    <img src="chamberofcommerce.gif">
    <h1>Tips for Enjoying Your Visit</h1>
    <p>
      Here are a few tips for enjoying your stay:<br>
      <ul>
          <li>Keep an extra html around your head & body.
          <li>Get plenty of rest.</li>
          <li>Don't miss the work of our local artists.
      </ul>
      <li>Obey the speed limit</li>
    </p>
    And as Goethe said, <q>Do not rest; do not hurry.</q>
    </body>
</html>
```

(Added DOCTYPE, <meta>, <title>, alt to image, missing ,
and <p> around "And .. </q>":)

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN"
    "http://www.w3.org/TR/html4/strict.dtd">
<html>
```

```
    <head>
        <title>Tips</title>
        <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
    </head>
    <body>
      <img src="chamberofcommerce.gif">
      <h1>Tips for Enjoying Your Visit</h1>
      <p>
        Here are a few tips for enjoying your stay:<br>
        <ul>
            <li>Keep an extra html around your head & body.</li>
            <li>Get plenty of rest.</li>
            <li>Don't miss the work of our local artists.</li>
        </ul>
        <li>Obey the speed limit</li>
      </p>
      <p>
      And as Goethe said, <q>Do not rest; do not hurry.</q>
      </p>
    </body>
</html>
```

(b) What changes do you need to make this page XHTML 1.0 compliant?

```
Change the DOCTYPE to be XHTML:
  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
Add in attributes to <html> tag:
  <html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en">
Change & to &amp.
Change <meta ..> to be <meta ../>
Change <img ..> to be <img ... />.
Change <br> to be <br />.
```