CS134 Web Site Design & Development

Quiz 1

Name: ________________________   Score: _____________________

Email: ________________________

I  Multiple Choice Questions (2 points each, total 20 points)

1. Which of the following is an example of an IP address?  [Answer: ____]
a.  www.whitehouse.gov
c.  .gov
d.  216.43.187.162

2. When you are browsing the Web and viewing web pages, your computer is acting as a:  [Answer: ____]
a.  telent
b.  client
c.  server
d.  packet

3. On Internet, data is transmitted by _______________ using the Internet Protocol:  [Answer: ____]
a.  packet switching
b.  circuit switching
c.  virtual circuit switching
d.  combination of circuit switching and packet switching

4. Basic syntax for XHTML tags and attributes is:  [Answer: ____]
a.  <tag attribute=value>   </tag>
b.  <tag attribute=value>   <tag>
c.  <tag attribute="value">   <tag>
d.  <tag attribute="value">   </tag>

5. The XHTML code <a href="http://www.cs.pitt.edu/">CS Department at Pitt</a> will create a ______ to Pitt CS web page:  [Answer: ____]
a.  internal link
b.  external link
c.  anchor
d.  combination link
Questions 6 to 8 use the following example.

Example 1.
```
.class1 {fontsize: 14px}
p {text-indent:5%;}
.impleft{
    position:relative;
    float:left;
    margin:20px 15px 20px 15px;
    padding:0px;
    border:5px solid silver;
}
```

6. A style sheet consists of a set of rules. Each rule consists of one or more selectors and a declaration block. In the Example 1, there is/are

```
[Answer: ____]
```

a. no rule  
b. 1 rule  
c. 2 rules  
d. 3 rules

7. In the Example 1, “.class1” is a

```
[Answer: ____]
```

a. selector  
b. rule  
c. declaration block  
d. attribute

8. In the Example 1, “text-indent” is a

```
[Answer: ____]
```

a. attribute  
b. property  
c. stylesheet element  
d. value

9. In the example below

```
<h1 style="color:white; background:orange; font-weight:bold;">This is my web page</h1>
```

The attribute “style” is used to create

```
[Answer: ____]
```

a. an internal style sheet  
b. an external style sheet  
c. a local style sheet  
d. none of the above

10. Given that (33)\text{16} = (51)\text{10}, (CC)\text{16} = (204)\text{10}, (FF)\text{16} = (255)\text{10}, the color value
rgb(51, 204, 255) in RGB format is equal to the color value _________ in hexadecimal format
a. #51CCFF 
b. #33CCFF 
c. #FFCC33 
d. #FFCC51 

II True or false questions (T for true, F for false; 2 points each, total 16 points)

1. Domain Name System (DNS) is a mapping between the human-readable name (domain name) of a host and its IP address. [Answer: ____]

2. A browser is a software program which interprets the HTML documents and displays it on the user’s screen. [Answer: ____]

3. A tag is an html code that is enclosed in angel brackets (<>), and it’s used to lay out the web page. [Answer: ____]

4. In XHTML, only lowercase tags are allowed. [Answer: ____]

5. In XHTML, tags should appear in pairs, and no overlapping tags are allowed. [Answer: ____]

6. The following XHTML code will display nothing on the screen:
   <!-- abcdefghijklmnopqrstuvwxyz-->
   [Answer: ____]

7. The following is a legitimate XHTML code:
   <em><h2>Bold and italic</h2></em>
   [Answer: ____]

8. If we put the XHTML code <link href="./myStyle.css" rel="stylesheet" type="text/css" /> in between the <head> and </head> tags of a web page, then this will tell the web page to use the “myStyle.css” as external stylesheet.
   [Answer: ____]

III Fill in the blanks. (2 points each, total 28 points)

1. Explain the meaning of each part of the following URL:
   http://socrates.berkeley.edu/courses/history/hist181.html
2. `<br />` tag is used for ________________.

3. `<h1>` to `<h6>` tags are used for defining ____________ text.

4. If a block of text is inserted between `<em>` and `</em>` tags, then that text will be displayed in ___________; if they’re inserted between `<strong>` and `</strong>` tags, then that text will be displayed in ____________.

5. In the following XHTML code, the text “This paragraph introduces html attributes” is displayed in the browser when ________________.
   
   `<p title="This paragraph introduces html attributes">Welcome to my web page</p>`

6. CSS is introduced in order to separate ____________ from ____________.

7. The XHTML tag we use to create unordered list is ____________.

8. The XHTML tag we use to create table header in a table is ____________.

9. When we’re inserting an image in a web page, we use `<img>` tag in the following format:
   
   `<img src="value1" alt="value2" />`

   In the above format, `value1` is the ____________ of the image we want to insert, and `value2` is the ____________ of the image.

IV  Writing code (36points total)

Write the XHTML source code for the web page in Picture 1. The following information is given to you:

20 pixel padding
6 pixel border with color #9DACBF
Welcome to my web page!

About Me

My name is Mehmud Abliz, I am a graduate student at computer science department of University of Pittsburgh.

My Address

Room 6150, Sennott Square
University of Pittsburgh
Pittsburgh, PA 15260

My Favorite Songs

- November Rain - Guns and Roses
- Nothing Else Matters - Metallica
- Come As You Are - Nirvana

My Courses

I'm taking Visual Languages, Network Security, and Independent Study this semester.

© 2007 [YOUR NAME HERE]

The XHTML code for the above web page:

```xml
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <style>

    </style>
  </head>
```