

# CS-101 Fall 2008 Section 4 Practice Final v1.0M

Name: \_\_\_\_\_

## Exam Format:

Multiple Choice, True/False, Short Answer (3 points each – 75 points total)

Write-the-page (25 points)

## XHTML/CSS Reference:

### Entities:

Copyright symbol	&copy;
Less-than sign	&lt;
Greater-than sign	&gt;
Space	&nbsp;
Quotation marks	&quot;

### CSS Properties:

font-family  
font-size  
padding  
padding-left  
padding-right  
padding-top  
padding-bottom  
background-color  
color  
border-width  
border-style  
border-color  
margin  
margin-left  
margin-right  
margin-top  
margin-bottom  
border-collapse  
top  
left  
right  
position  
width  
height

### Pseudo-classes:

a:link  
a:visited  
a:focus  
a:hover  
a:active

## Multiple Choice, True/False, Short Answer (3 points each – 75 points total)

1) T/F: The following line of markup is valid in XHTML 1.0 strict.

```
<form method=get action=http://www.google.com/search>
```

2) T/F: The following markup is valid in XHTML 1.0 strict.

```
<div>
  
</div>
```

3) T/F: The head and body elements both belong nested inside the html element.

4) T/F: To get an img element to validate as XHTML 1.0 strict, an alt attribute is required.

5) Which of the following is not an element used in a table?

- a) td
- b) th
- c) tb
- d) tr

6) T/F: A web page must be on a web server in order to be "on the Internet".

7) T/F: A relative URL is preferable to an absolute URL when linking to files on your own website.

8) On your friend's computer you see that a website folder has both .html and .css files in it. Before getting any further information, you have already determined that the website \_\_\_\_ (1) \_\_\_\_ using external CSS and \_\_\_\_ (2) \_\_\_\_ using embedded CSS. Fill in the blanks.

- a) (1) is likely to be,      (2) is not
- b) (1) must be,              (2) is not
- c) (1) must be,              (2) might be
- d) (1) is likely to be,      (2) might be

9) Which of the following is not a valid value for the type attribute of an input element?

- a) get
- b) text
- c) hidden
- d) submit

10) What term below describes how many times a particular webpage has been requested?

- a) Pings
- b) Page views
- c) Site visits
- d) Uploads

**11) Given the following form, what will the resulting URL look like if the user enters "merge" in the text box labeled "Sort Technique", leaves everything else as is, and clicks the submit button?**

```
<form method="get" action="http://cs.nmu.edu/~mkowalczyk/sort.php">
  <div>
    <label for="a">Sort Technique</label>
    <input type="text" id="a" name="algorithm" value="quicksort"></input>
    <label for="s">Input size</label>
    <input type="text" id="s" name="size" value="55"></input>
    <input type="submit"></input>
  </div>
</form>
```

- a) `http://cs.nmu.edu/~mkowalczyk/sort.php?algorithm=quicksort&size=merge`
- b) `http://cs.nmu.edu/~mkowalczyk/sort.php?algorithm=merge&size=55`
- c) `http://cs.nmu.edu/~mkowalczyk/sort.php?algorithm=merge&size=`
- d) `http://cs.nmu.edu/~mkowalczyk/sort.php?a=merge&s=55`

**12) Given the CSS rule below, which of the following elements would have the color applied to it?**

```
.p {
  color: #ff0000;
}
```

- a) `<p>some text</p>`
- b) `<div class="p">some text</div>`
- c) `<div id="p">some text</div>`
- d) All of the above

**13) Given the CSS rule below, which of the following elements would have the color applied to it?**

```
#div {
  color: #ff0000;
}
```

- a) `<div>some text</div>`
- b) `<p class="div">some text</p>`
- c) `<p id="div">some text</p>`
- d) None of the above

**14) Given the CSS rule below, which of the following elements would have the color applied to it?**

```
div {
  color: #0000ff;
}
```

- a) `<div>some text</div>`
- b) `<p class="div">some text</p>`
- c) `<p id="div">some text</p>`
- d) None of the above

**15) What does the following CSS rule apply to?**

```
div p {  
    background-color: #555555;  
}
```

- a) All div elements that are nested inside a p element
- b) All p elements that have id="div"
- c) All p elements and all div elements
- d) All p elements that are nested inside a div element

**16) Given the following CSS and XHTML fragments, what color is hello and goodbye?**

**CSS Fragment:**

```
div {  
    color: blue;  
}  
p {  
    color: red;  
}  
span {  
    color: green;  
}
```

**XHTML Fragment**

```
<div>  
    <p>Hello</p>  
</div>  
<p>  
    <span>Goodbye</span>  
</p>
```

- a) Hello is red, goodbye is green
- b) Hello is blue, goodbye is red
- c) Hello is red, goodbye is red
- d) Hello is blue, goodbye is green

**17) What is the primary intended purpose of the p element?**

- a) To change the font.
- b) To markup a paragraph of text (and inline elements).
- c) To show off one's "HTML skills".
- d) The p element has no real purpose.

**18) Suppose you made modifications to your webpage but you don't see any changes in the browser. Name a possible cause of the problem.**

**19) Why do we use elements such as `em` and `strong` when we could get the same visual effect via CSS?**

**20) What is the purpose of the style element?**

**21) Someone says they have "commented out some of their markup". Specifically, what are they talking about?**

**22) Name one advantage and one disadvantage of using `.png` instead of `.jpg`**

**23) In terms of accessibility, name at least one physical and one technology-based limitation that may effect a user's experience when visiting a website.**

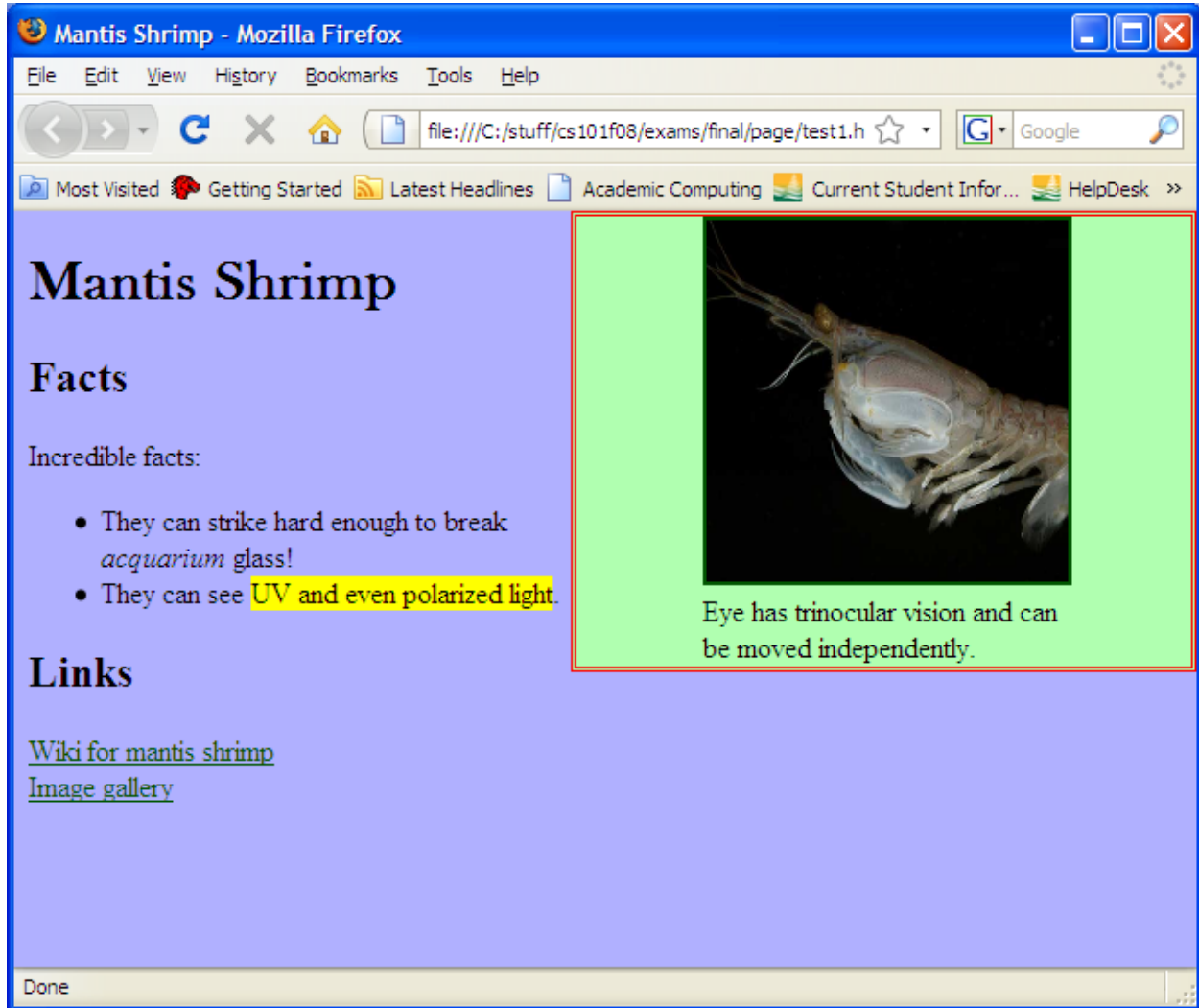
**24) Convert the decimal number 171 into hexadecimal.**

**25) Convert the hexadecimal number 56 into decimal.**

## Write-the-page (25 points)

Write this webpage by filling in XHTML and external CSS on the following pages of this exam.

- The “Mantis Shrimp” heading is in *Baskerville old face* font, with *serif* as a backup font.
- The body background is a very light blue color.
- The phrase “UV and even polarized light” has a yellow “highlighter” background effect.
- Both links appear as dark green in color.
  - The first one links to [http://en.wikipedia.org/wiki/Mantis\\_shrimp](http://en.wikipedia.org/wiki/Mantis_shrimp)
  - The second one links to a file called `gallery.html`, in the same directory as the web page below.
- The border of the box at the right is red, and the background is a very light green color.
- Note the extra space to the left and right of the content within.
- The image is a 400 by 400 pixel image called `mantis.jpg`, and is in a subdirectory called `images`, but it is displayed on the page as 200 by 200 pixels.
- The image acts as a thumbnail; clicking on it goes to the actual 400 by 400 pixel image.



```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>Mantis Shrimp</title>
    <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
    <link rel="stylesheet" href="style1.css" type="text/css" />
  </head>
  <body>
```

```
    </body>
  </html>
```

/\* This side of the page is the style1.css file \*/