

Practice Exam for CS 103 Midterm 1, Fall 2018

1. Neatly cross out what is wrong and write in corrections to fix the errors in the HTML page below. Errors may include missing tags, misspelled tags, tags located in the wrong place, or combinations of the above. The number of mistakes (html bugs) are 5.

```
<!DOCTYPE html5>
```

```
<html>
```

```
<head>
```

```
<title> Practice Exam for CS 103 Midterm Exam 1
```

```
</head>
```

```
<body>
```

```
<h2> HTML Learned So Far </h1>
```

```
<ul>
```

```
<li>How to make lists </li>
```

```
<li>Difference between ordered and unordered
```

```
<li>How to create list items</li>
```

```
</ul>
```

```
<p> Thanks to <a href="http://htmldog.com"> HTML Dog </a> for being great  
resources! </p>
```

```
</body>
```

```
</html>
```

2. Using correct syntax, neatly add a **line break** to the HTML code in question 1.
3. Style the paragraph `<p> Thanks to ... </p>` in question 1 to change the text color to **red**.
 - a. Using correct syntax neatly do it by using style attribute
 - b. Using correct syntax neatly do it by using style element
4. Fill in the blank. _____ is the protocol for transferring files among computers via the web.
5. Write the HTML code for a hyperlink to Boston University website (<https://www.bu.edu>).
6.
 - a. Circle the protocol in the following URL:
https://www.wikipedia.org/wiki/World_Wide_web
 - b. What is **wiki** in the above URL? Is it a file or a folder?
7. Fill in the blank. The acronym “gTLD” stands for _____.
8. When is it a good idea to use a gTLD of “.org” for your website? Explain.
9. You visit a website that uses a ccTLD. Can you be sure that the website is connected to that country in some way (for example: the website owner is a citizen or resident, or the business has a presence in that country)? Explain, and cite a specific country and its ccTLD in your answer.
10. Fill in the blanks. People who are blind use screen reader software to use the World Wide Web. One example of this type of software is _____.
11. You can get Sued for Using Pics on Your Blog”, what are two ways that you can use images created by other people on your website without risking being sued for copyright infringement?
12. Recall our discussion of passwords in lecture and assigned reading.
 - a) Using a password manager to store the passwords protects you from what methods of password theft? Name one.
 - b) Using a password manager to store the passwords does not protect you from what methods of password theft? Name one.
13. More than 98% of websites that use the .accountant TLD are “shady”, While only %8 of websites that use .realtor are. What explains this difference between .accountant and .realtor?

14. The assigned reading "Be careful. Mistyping a Website URL Could Expose You to Malware", described a new form of typosquatting using country code top level domains. What country top level domain did the attackers use?
15. As we discussed in the lecture there are three types of malware that get onto your computer by different routes. Assume that your computer operating system is not updated. Which of these types can get onto your computer?
16. Write the line of HTML code that display a photograph of the sun setting over Boston Harbor. Assume that the image file is named "sunset.jpg", that the image is 500 pixels wide, and that the image is 200 pixels tall. You may omit the alt attribute for this problem.
17. Name two types of creative expression that can be copyrighted.
18. Katie borrowed Bob's camera and took a photograph of her boyfriend, Peter. Who owns the copyright to the photograph? Choose one.
 - a) Peter
 - b) Bob
 - c) Katie
 - d) Peter, Bob and Katie share it.
 - e) No one
19. The principle of "fair use" allows limited use of copyright material without permission for a few purposes. Name two of those purposes.
20. Recall our discussion about "**Hyperlink Element**" in lecture, name two reasons of using hyperlinks.