

Exercises

1. **Course Website:** Write valid HTML code to generate the following content between but not including the black bars:

Web Programming Course Website

[Home](#) | [Homework](#) | [Lectures](#)

Announcements

- "Welcome to Web Programming!"
- If you have any problems with grading, **talk to a TA**
- It is *very important* to do the practice problems in the book.



- The "Home" link should link to "index.html", the "Homework" link to "homework.html" and the "Lectures" link to "lectures.html".
 - The validator button's image can be found at <http://www.w3.org/Icons/valid-xhtml11>. When clicked the button should link to <http://validator.w3.org/check/referer>. If the validator button cannot be loaded, "Validate XHTML" should be displayed instead.
2. **Dr. Strangelove's To-Do List:** Write valid HTML code to generate the following content:

Dr. Strangelove's List of Things to Do

Freshman year is harder than I thought. This is the reason for Dr. Strangelove's List of Things to Do.

- Return \$1 to Jeff for that hamburger
 - Do HW (list is sorted by easiness of HW)
 1. CSE 190M Meringue Pie
 2. Chemistry Atom Bomb Construction
 3. Psychology - Basics of Mind Control
 - Buy textbooks
3. **Fish Facts:** The following HTML code displays a webpage correctly but is not valid XHTML. Rewrite the code in valid XHTML.

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
  "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <title>Fish</title>
  <h1>Fish</h1>
  <hr>
  <p>Facts for Fish</p>
  <ul>
    <li>Fish are friends, not food</li>
    <li>Fish feel:</li>
    <ul>
      <li>Good</li>
      <li>No pain</li>
    </ul>
    <li>Fish <b>love</b> other fish</li>
  </ul>

  
</html>
```

4. Penguins:

- Draw a picture of how the following HTML will look when the browser renders it onscreen.
- Draw another picture of how the HTML will look in the browser if the additional CSS is applied to the page.

```
<h1 class="foo">Penguins</h1>
<ul id="foo"><li>Emperor</li><li>Gentoo</li></ul>
<p class="foo">Everyday after the <span class="bar">sun</span>
comes up we<br />go to the sea to play
with .</p>
```

```
#foo { background-color: yellow; }
.foo { font-family: monospace; }
#bar { border: 1px solid black; }
```

5. Apples:

- Draw a picture of how the following HTML will look when the browser renders it onscreen.
- Draw another picture of how the HTML will look in the browser if the additional CSS is applied to the page.

```

<h1>Apples</h1>
<p><a href="http://www.apple.com/"></a><q>Apples are great!</q> - Farmer Bob</p>
<h2>Some types of apples:</h2>
<ul><li>Red delicious</li></ul><ul><li>Granny Smith</li></ul>
<h2>Other apples:</h2>
<dl>
  <dt class="foo">Apple iPod</dt>
  <dd>This apple
      is poisonous.</dd>
  <dt>Steve Jobs</dt>
  <dd class="foo">The tallest apple.</dd>
</dl>

```

```

h1 { color: red; }
ul { float: left; }
img { float: right; }
h1, h2 {
  clear: both;
  border-top: 1px dashed black;
}
ul, h1 { background-color: yellow; }
.foo { font-family: monospace; }
img { border-style: none; }

```

6. **Busy Schedule:** Given the following HTML code, write CSS to make the following style changes:
- All elements in the body should have a white background with a text color of #330033 and the font Verdana or any serif available on the viewer's computer.
 - The first-level headers are 40px bold serif font. The second-level headers are 24px underlined sans serif.
 - Paragraph text and lists should have a width of 550px and a top and bottom padding of 10px.
 - Ordered lists should have a background color of #FFCC99 and unordered lists should have a background color of #CCFFCC. All list elements should be in italics.
 - Links should never show the default underlining and upon hovering they should become neon green (#33ff33).

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```
<h1>Being Busy</h1>
<p>It's not easy being busy! But that doesn't mean it can't be fun.</p>

<h2>Important Things To Do</h2>
<ol>
  <li><a href="phys.html">Turn in</a> Physics HW!</li>
  <li>Do Reading for English</li>
  <li>Go To the Store for Groceries</li>
  <li>Pay Tuition</li>
  <li>Make sure program compiles...</li>
</ol>

<h2>Fun Things To Do</h2>
<ul>
  <li>Sleep In</li>
  <li>Out to Dinner with Friends</li>
  <li>Go Swimming</li>
  <li>Finish Painting</li>
  <li>Go to the Movies: <a href="movies.html">see what's
playing</a></li>
</ul>
```

7.