Sample midterm 2 key

1. a)

('O')

    aaa   bbb   ccc

    b)

foo
baz

| ant |

| b |
| a |
| r |

2.

```html
<div id="main">
 <div id="column1">
   <h1>Zen Garden</h1>

   <div id="slogan">
    <p>A demonstration of...</p>
   </div>

   <div id="enlightenment">
    <h3>The Road to Enlightenment</h3>
    <p>Littering a dark and dreary road lay...</p>
    <p>Today, we must clear the mind...</p>

    <div id="selectadesign">
     <h3>Select Design</h3>
     <ul><li><a href="">Under the Sea!</a> by Eric Stoltz</li>
       <li><a href="">Make 'em Proud</a> by Michael McAghon and Scotty</li>...</ul>
    </div>
   </div>
 </div>

 <div id="whatabout">
  <h3>So What is This About?</h3>
  <p>There is clearly a need for CSS to be taken seriously...</p>
  <p>CSS allows complete and total control over the style of a hypertext doc...</p>

  <h3>Participation</h3>
  <ul>
   <li>Graphic artists only please. You are modifying this page...</li>
   <li>Zen editors modify the style sheet in any way you wish, but not ...</li>
  </ul>
 </div>
</div>
```
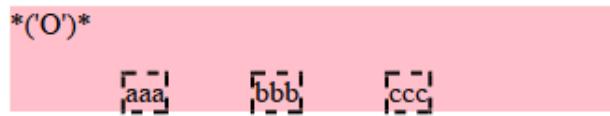
```css
body {
  background-image: url("heading.gif");
  background-repeat: no-repeat;
  color: #471C47;
  font-family: Verdana, sans-serif;
  font-size: 9pt;
}

#main   { margin-left: 130px; }
h1      { display: none; }
#slogan { font-style: italic; }
#selectadesign   { border-top: 3px solid #A690AF; }
#selectadesign a { font-weight: bold; }

#enlightenment {
  background-image: url("toad.png");
  background-repeat: no-repeat;
  background-position: right bottom;
  float: left;
  padding-right: 1em;
  width: 26em;
}

#whatabout {
  background-color: #A690AF;
  border: 2px solid #471C47;
  float: left;
  padding: 1em;
  width: 21em;
}

#whatabout h3 { text-align: right; }
```

3. `<h1>Elevate-It!</h1>`

```php
<?php
if (!isset($_GET['profile'])) {
  ?>
  <form action="">
    <p>Select an elevation profile:</p>
    <p><select name="profile">
  <?php
  foreach(glob("*.dat") as $name) {
    ?>
      <option><?= $name ?></option>
    <?php
  }?>
    </select></p>
    <p><input type="submit" value="Elevate-It!" /></p>
  </form>
  <?php
} else {
  ?>
  <p>Elevation data for <?= $_GET['profile'] ?>:</p>

  <?php
  $sum = 0;
  foreach(file($_GET['profile']) as $line) {
    list($dist, $elev) = explode(',', $line);
    $sum += $elev;
  }
  ?>
  <p>Total gain/loss: <?= $sum; ?></p>
  <?php
}

?>
```