Lab: Intro to CSS

LAYOUT WITH CASCADING STYLE SHEETS

For this lab we will take a single page of HTML containing Lorem Ipsum text and position elements to make it appear in different formatting styles -- first a personal blog , then a newspaper.

Requirements

Your job is to edit the style file linked to by this HTML file, so that the appearance of the document matches the description below.

Use Layout.html file that is illustrated in the following:

You will add a css link in the HTML file and modify it so the page will look as:
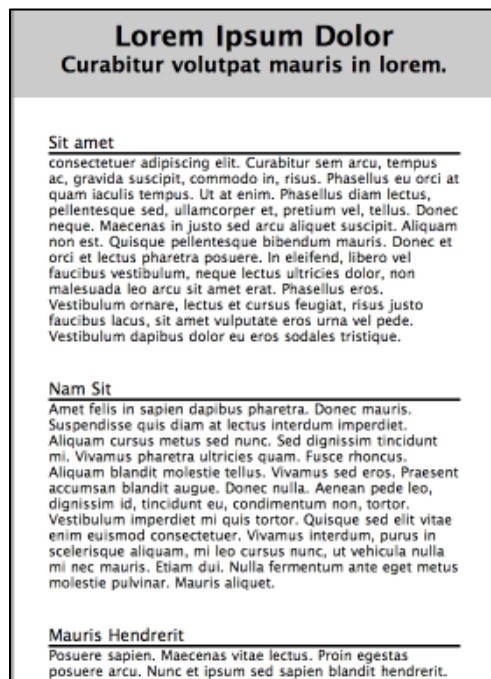
Instructions:

1. Download *layout.html* to some place where you can save and edit files. Now rename it as *blog.html*. We are going to add a CSS to format the page to look something like the image at right.
2. Create a new file called *blog.css* and add a link to it in the HTML file.

   <link href="blog.css" rel="stylesheet" type="text/css" />

3. Add the following to your new CSS file, in order. Look at the result after each addition. (If you proceed step by step, you can more easily see if you make a mistake adding material at any point, and fix any errors quickly.)

   a. Give the background some color and zero the margins:

   ```
   body {
       background-color: gray;
   }
   ```

   b. Now make the header silver with centered text, and make the content area white with a 1-pixel padding:

   ```
   #masthead {
       background-color: silver;
       text-align: center;
   }
   #content {
       background-color: white;
       padding: 1px;
   }
   ```

   c. Alter the appearance of the section headings:

   ```
   h3 {
       font-style: normal;
       font-weight: normal;
       border-bottom-style: solid;
   }
   ```

   d. Set various margins to zero in order to condense the spacing, and add a bit of space around the index. (Note: the commas in the top

rule below separate several selectors; the styles apply to each individually as though we had written six separate rules.):

```
body, div, h1, h2, h3, p {
    margin: 0;
}


li {
        margin-left: 3px;
}
```

Save a copy of this file as *newspaper.css*; we will begin from this point for the second part of the lab. Meanwhile, keep working on *blog.css*.

4. Now make some additions to these rules such as:
   a. set the masthead's left and right margins to 125px.
   b. Set the positioning of the index to be flush with the bottom of the masthead and right of the webpage. Set the contents margins so to touch the bottom of the masthead. If it is not, you probably didn't set all the margins to zero properly.
   c. Move the entry's margins in so that they are easier to read (say 50px). Add padding to separate entries.
5. Does it look right? Make any necessary minor tweaks.

Newspaper format

Now you will try to change the styles so the page looks like newspaper format:

1. Edit the css and html to look more like a newspaper. Begin from the results of step 3 above.

2. Add a list a List by adding the following code:

```
<ul id="index">
  <li id="first">ivamus turpis</li>
  <li>vulputate at</li>
  <li>sollicitudin id</li>
  <li>ultricies vestibulum</li>
  <li> enim.</li>
</ul>
```

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<ul id="index">
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  <li> enim.</li>
</ul>
```

3. Make the ul section white, give it a fixed width, remove bullets, and adjust spacing:

```
#index {
    background-color: white;
    list-style-type: none;
    padding: 0;
    margin: 0;
    line-height : 4ex;
}
```

4. `li` normally has `display: block` by default - change it to inline so they will display horizontally. To make them look like tabs add the following to `#index li`

```
border-right-style: solid;
border-left-style: solid;
border-top-style: solid;
border-top-width: 1px;
border-left-width: 1px;
border-right-width: 1px;
padding: 3px 3px 6px;
background-color: grey;
```

and add the following to `#index`

```
border-bottom-style: solid;
border-bottom-width: 1px;
background-color: silver;
```

to make the first tab look selected you can add the following to your css

```
#index #first {
    border-bottom: 1px solid white;
    margin-left: 20px;
    background-color: white;
}
```

5. Add two divs to create columns. The first div should contain the first few entries. The 2nd div should contain the rest. Make their id `col1` and `col2` respectively.

6. You can use percentages to create and place `col1` and `col2`
    a. Make `col1`'s and `col2`'s width the same percentage of the body's width
    b. Position `col1` and `col2` using percentages so that they appear evenly space in the window. If you make `#content` have `position:relative`, then you can position the two columns inside it.

Save your work into two different files:

1- Blog.html and
2- Newspaper.html

Each one should be linked to their corresponding css files so the views will correspond to the right files.