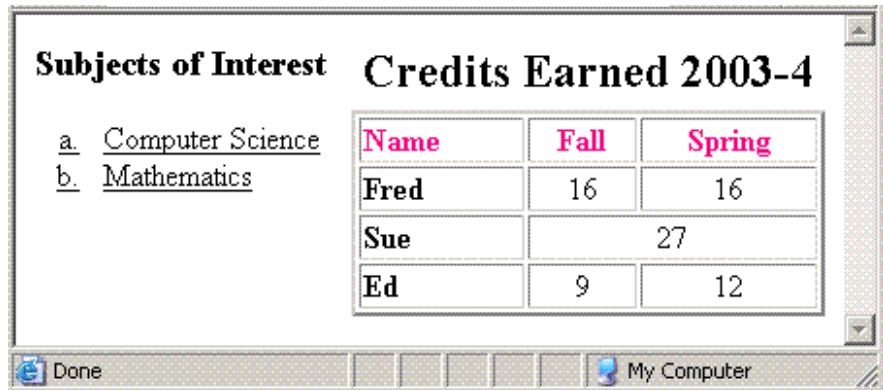


COMP 322 Internet Systems Fall 2006 Quiz 1—Solutions

15 points possible

The rendering at right is of the HTML document listed below with gaps (which you will fill in). The color of the column headings in the table is the following mixture of the RGB colors: full red, no green, and about half-full blue.



The screenshot shows a browser window with a title bar that says "Done" and "My Computer". The main content area contains two sections. The first section is titled "Subjects of Interest" and contains two items: "a. Computer Science" and "b. Mathematics". The second section is titled "Credits Earned 2003-4" and contains a table with three columns: "Name", "Fall", and "Spring". The table has three rows: "Fred", "Sue", and "Ed". The "Name" column is left-aligned, while the "Fall" and "Spring" columns are center-aligned. The "Fall" and "Spring" columns are merged for the "Sue" row.

Name	Fall	Spring
Fred	16	16
Sue	27	
Ed	9	12

The table occupies 60% of the width of the window, has a two-pixel border, and floats right. The left column is aligned left, and the other two columns have center alignment. The title on the left is an h3 header, and the items below it are specified with an ordered list. The HTML document links to an external stylesheet called `q1.css`, which specifies that `th` elements that are descendants of `thead` elements have the color described above and that `li` elements are underlined and offset five pixels from the right of where they would normally be positioned. The stylesheet also defines a class `bigBold`, specifying bold font and character size 1.5 times that of the surrounding text.

The gaps in the listing are labeled with Greek letters. These letters are repeated after the listing along with descriptions of the code that should go in the corresponding gaps. You there supply the missing code. After that, the rules and class definition for the stylesheet are described; at that point, you are to write the stylesheet.

```

<html>
<head>
  <title>Quiz 1</title>
  α
</head>
<body>
β
  γ
  _____
  _____
  _____
  <caption class="bigBold">Credits Earned 2003-4</caption>
  <thead>
    <tr><th>Name</th><th>Fall</th><th>Spring</th></tr>
  </thead>
  <tbody>
    <tr><th>Fred</th><td>16</td><td>16</td></tr>
    δ
    <tr><th>Ed</th><td>9</td><td>12</td></tr>
  </tbody>
</table>
<h3>Subjects of Interest</h3>
ε
  _____
  _____
  _____
</body>
</html>

```

α: Link to the stylesheet q1.css

Answer (2 points)

```
<link rel="stylesheet" type="text/css" href="q1.css">
```

β: The opening tag for the table, specifying that it occupies 60% of the width of the window, has a two-pixel border, and floats right.

Answer (2.5 points)

```
<table width="60%" border="2" style="float: right">
```

γ (4 lines in the listing): Specify that the first column in the table has left alignment and that the remaining two have right alignment.

Answer (2 points)

```
<colgroup>
  <col span="1" align="left">
  <col span="2" align="center">
</colgroup>
```

δ : Give the second row in the body of the table.

Answer (1.5 points)

```
<tr><th>Sue</th><td colspan="2">27</td></tr>
```

ε (4 lines in the listing): An ordered list whose items are labeled with lowercase letters. The items in the list are Computer Science and Mathematics. (Do not handle the underlining and offset to the right here. These features are handled by the appropriate rule in the stylesheet.)

Answer (2 points)

```
<ol type="a">
  <li>Computer Science</li>
  <li>Mathematics</li>
</ol>
```

In the space below, write the style sheet. It contains two rules and a class definition. The rules are:

- `th` elements that are descendants of `thead` elements have a color that is the following mixture of the RGB colors: full red, no green, and about half-full blue. (It need not be exactly half.)
- `li` elements are underlined and offset five pixels from the right of where they would normally be placed.

The class is called `bigBold` and specifies bold font and character size 1.5 times that of the surrounding text.

Answer (5 points)

```
thead th { color: #FF0080 }
li { text-decoration: underline; position: relative; right: 5px }
.bigBold { font-size: 1.5em; font-weight: bold }
```