CIS 4004: Web Based Information Technology Spring 2011

Exam #1 Review

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Topics Covered On Exam #1

- XHTML

- Cascading Style Sheets

- Advanced XHTML & CSS – Tables & Forms, Audio & Video

- CSS-P

- Web Page Layouts – 5 different layouts

- The JavaScript material will not appear on this exam.

Structure of the Exam

- The exam will consist mostly of multiple choice and true/false questions. Anticipate between 20-25 questions of this type. (Approximately 75-80% of the total points are allocated to this type of problem.)

- There will be 2-3 short answer/description questions.

- You will be required to write a short section of XHTML markup with CSS.

Sample Questions

1. XHTML is a markup language based on XML. True False

2. An XHTML document can contain any number of root elements. True False

3. In XHTML every element must have a start tag and an end tag. There are no exceptions to the rule. True False

4. CSS is used together with XHTML to separate the content from the presentation of a document. True False

5. Does the following XHTML cause the word "this" to appear in blue? True False

   ```
   <p>Markup<span color:"blue">this</span> text.</p>
   ```

6. If the style of the `<p>` element is defined in an external style sheet and within a document another style is defined for the `<p>` element, which one will be used to present the document?

    a) The one in the external style sheet.

    b) The one in the document.

    c) Neither of them will be used.

7. Does the following XHTML cause the word "this" to appear in a bold typeface?   True   False

    ```
    <p>Markup<b>this</b>text.</p>
    ```

Sample Questions (cont.)

8. What's wrong with the following XHTML markup?

```
<p><b>This line contains and error.</p></b>
```

9. The following XTHML would center the header? YES NO

```
<h1 style="text-align:center">HEADER</h1>
```

10. Which is closer to the content in the box model?
    a) margin
    b) border
    c) padding

Sample Questions (cont.)

11. Elements which are absolutely positioned are rendered

     (a) using normal flow

     (b) outside of normal flow

12. The `z-index` property is used to:

     (a) catch up on your sleep

     (b) modify the stacking order of elements

     (c) select the tab order of elements in a form

Sample Questions (cont.)

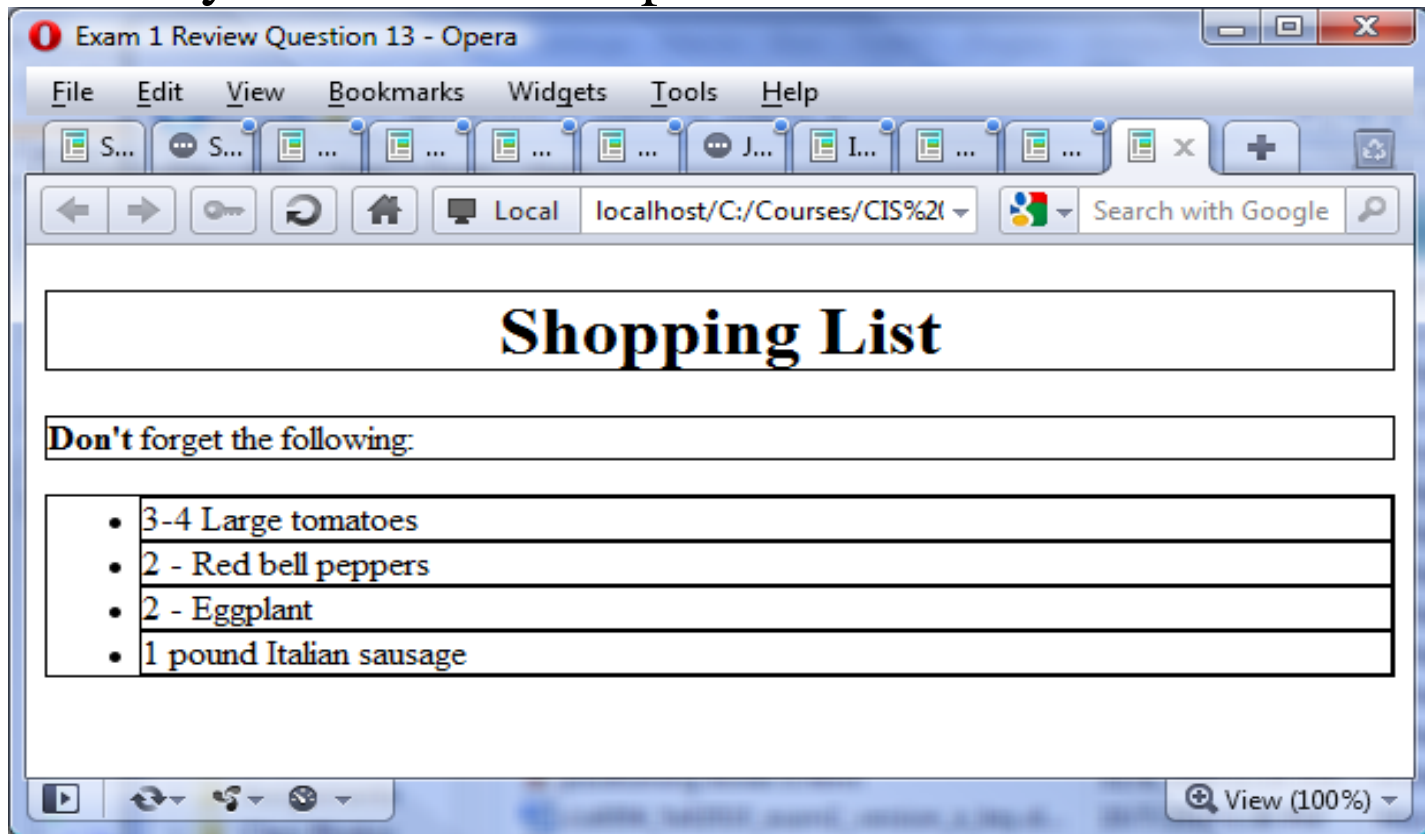11. Elements which are absolutely positioned are rendered

    (a) using normal flow

    (b) outside of normal flow

12. The `z-index` property is used to:

    (a) catch up on your sleep

    (b) modify the stacking order of elements

    (c) select the tab order of elements in a form

Sample Questions (cont.)

13. Construct the XHTML document that when rendered by a browser would produce the following output. Use an internal style sheet for this problem.
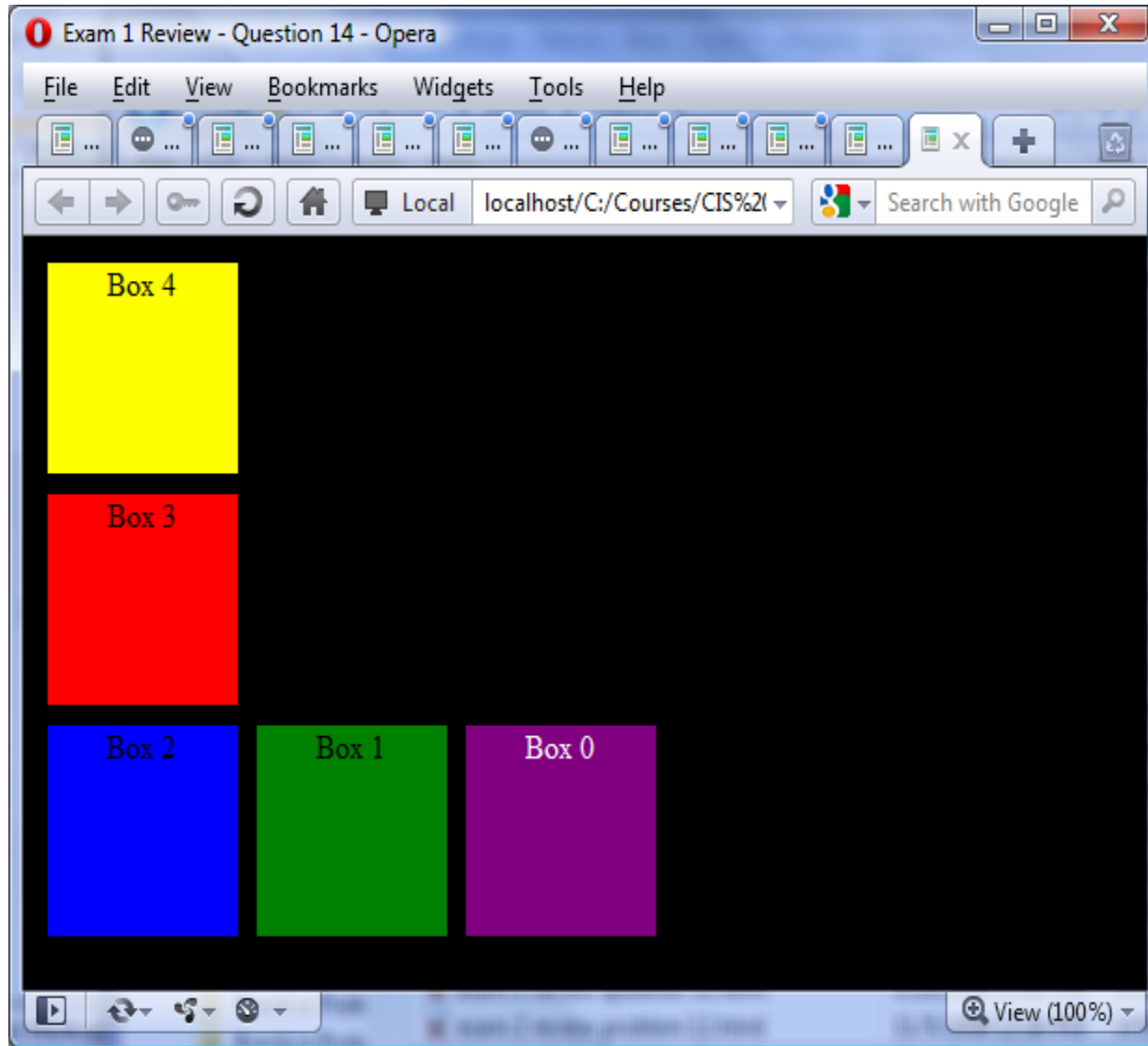
```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml"1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
```

14. Construct the XHTML document that when rendered by a browser would produce the following output. Use an external style sheet for this problem. Do not use absolute positioning.
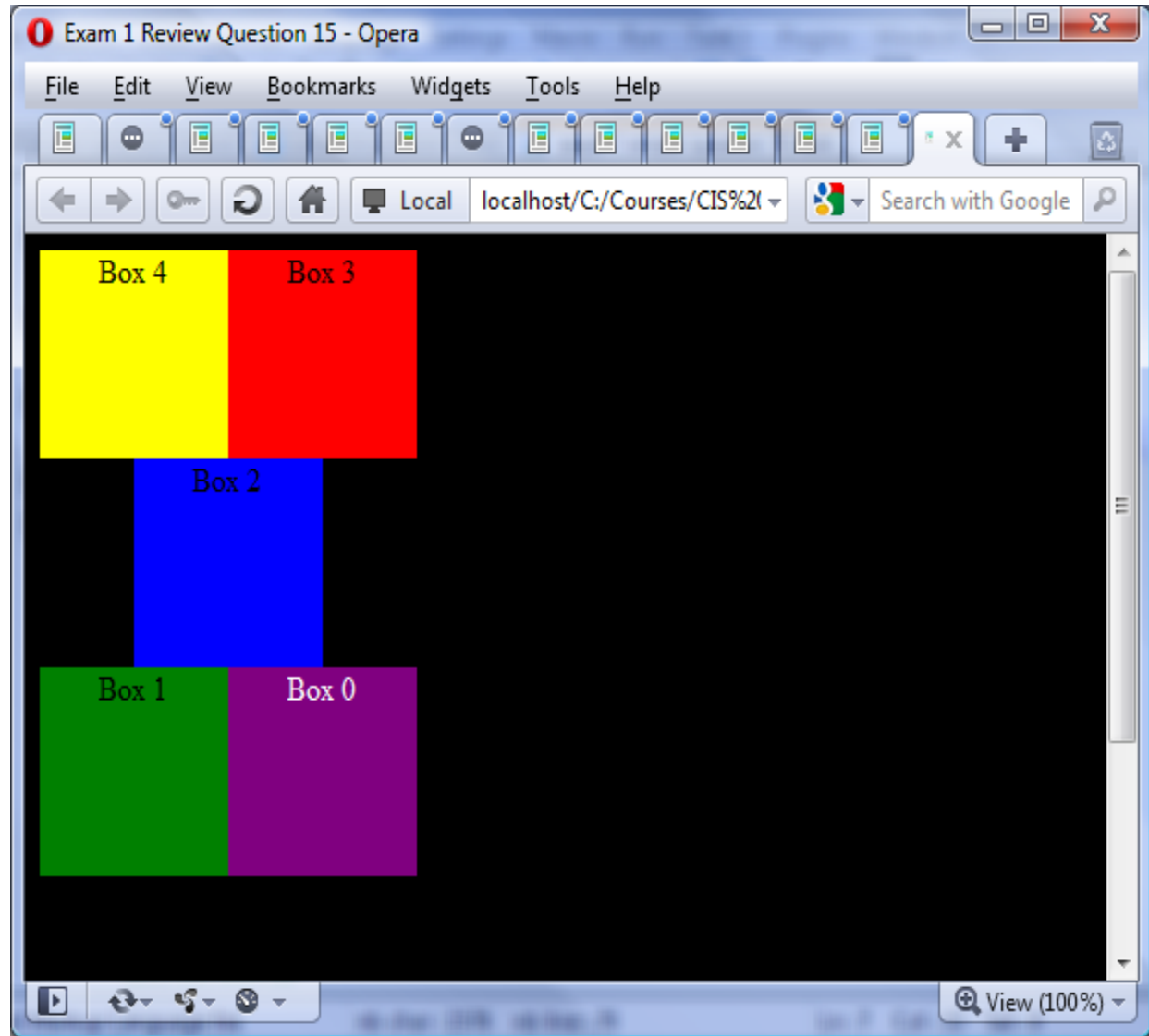
15. Construct the XHTML document that when rendered by a browser would produce the following output. Use an external style sheet for this problem. Do not use absolute positioning.
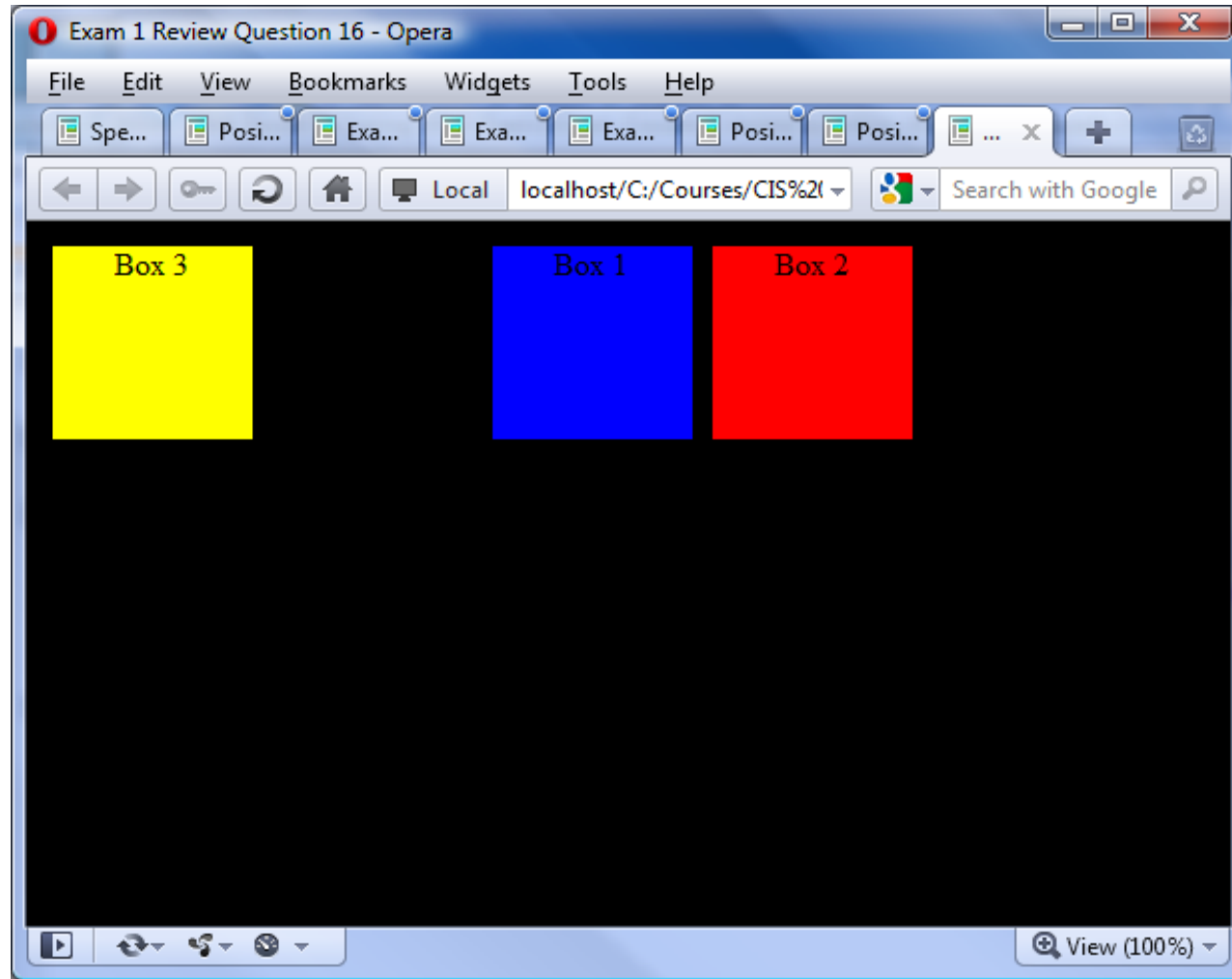
16. Create the CSS that would cause the XHTML document on the next page to render as shown on the right.

File Edit Search View Format Language Settings Macro Run TextFX Plugins Window ?

exam 1 review question 16.html   reviewproblem16.css

```
 1  <?xml version="1.0" encoding="UTF-8" standalone="no" ?>
 2  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
 3      "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
 4  <html xmlns="http://www.w3.org/1999/xhtml">
 5  <!-- This is the header section -->
 6  <head>
 7      <title>Exam 1 Review Question 16  </title>
 8      <link rel="stylesheet" href="reviewproblem16.css" type="text/css" />
 9  </head>
10  <!-- This is the body of the document -->
11  <body>
12      <div id="box3"> Box 3</div>
13      <div id="box2"> Box 2</div>
14      <div id="box1"> Box 1</div>
15  </body>
16  </html>
17
```

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Solutions

1. XHTML is a markup language based on XML. True

2. An XHTML document can contain any number of root elements. False

3. In XHTML every element must have a start tag and an end tag. There are no exceptions to the rule. False (empty tags!)

4. CSS is used together with XHTML to separate the content from the presentation of a document. True

5. Does the following XHTML cause the word "this" to appear in blue? False (`<span style="color:blue">`)

   ```
   <p>Markup<span color:"blue">this</span>
   text.</p>
   ```

Solutions (cont.)

6. If the style of the `<p>` element is defined in an external style sheet and within a document another style is defined for the `<p>` element, which one will be used to present the document?

   a) The one in the external style sheet.

   b) The one in the document.

   c) Neither of them will be used.

7. Does the following XHTML cause the word "this" to appear in a bold typeface?   True

```
<p>Markup<b>this</b>text.</p>
```

8. What's wrong with the following XHTML markup?

```
<p><b>This line contains and error.</p></b>
```

Improperly nested elements.

9. The following XTHML would center the header? YES

```
<h1 style="text-align:center">HEADER</h1>
```

10. Which is closer to the content in the box model?
    a) margin
    b) border
    c) padding

11. Elements which are absolutely positioned are rendered

    (a) using normal flow

    (b) outside of normal flow

12. The `z-index` property is used to:

    (a) catch up on your sleep

    (b) modify the stacking order of elements

    (c) select the tab order of elements in a form

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Solution to Question 13

exam 1 review question 14.html   positioning boxes 7.html   exam 1 review ques

```
1    <?xml version="1.0" encoding="UTF-8" standalone="no" ?>
2    <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
3        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
4    <html xmlns="http://www.w3.org/1999/xhtml">
5    <!-- This is the header section -->
6    <head>
7        <style type="text/css">
8        <!--
9        h1  { border: 1px solid black; text-align:center;}
10       p   { border: 1px solid black; }
11       ul  { border: 1px solid black; }
12       li  { border: 1px solid black; }
13       -->
14       </style>
15       <title> Exam 1 Review Question 13 </title>
16   </head>
17   <!-- This is the body of the document -->
18   <body>
19       <h1> Shopping List</h1>
20           <p><strong>Don't</strong> forget the following:</p>
21           <ul>
22               <li> 3-4 Large tomatoes </li>
23               <li> 2 - Red bell peppers </li>
24               <li> 2 - Eggplant </li>
25               <li> 1 pound Italian sausage </li>
26           </ul>
27   </body>
28   </html>
```

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XHTML For Question 14

```
 1    <?xml version="1.0" encoding="UTF-8" standalone="no" ?>
 2    <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
 3        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
 4    <html xmlns="http://www.w3.org/1999/xhtml">
 5    <!-- This is the header section -->
 6    <head>
 7        <title>Exam 1 Review - Question 14  </title>
 8        <link rel="stylesheet" href="reviewproblem14.css" type="text/css" />
 9    </head>
10    <!-- This is the body of the document -->
11    <body>
12      <div id="box4"> Box 4</div>
13      <div id="box3"> Box 3</div>
14      <div id="box2"> Box 2</div>
15      <div id="box1"> Box 1</div>
16      <div id="box0"> Box 0</div>
17    </body>
18    </html>
19
```

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exam 1 review question 14.html   reviewproblem14.css

```
 1   /* stylesheet for Exam 1 Review Problem 14 */
 2
 3   #box4 {width:100px;
 4           height: 100px;
 5           border: 1px solid yellow;
 6       background-color: yellow;
 7       margin:5px;
 8       float: left;
 9       }
10       #box3 {width:100px;
11           height: 100px;
12           border: 1px solid red;
13       background-color: red;
14       margin:5px;
15       float: left;
16       clear: left;
17       }
```

Cascade Style Sheets File   nb char : 939   nb line : 42

exam 1 review question 14.html   reviewproblem14.css

```
18       #box2 {width: 100px;
19           height:100px;
20           border: 1px solid blue;
21       background-color: blue;
22           margin: 5px;
23       float: left;
24       clear:left;
25       }
26   #box1 {width: 100px;
27           height: 100px;
28           border: 1px solid green;
29       background-color:green;
30           margin: 5px;
31       float: left;
32       }
33   #box0 {width: 100px;
34           height: 100px;
35           border: 1px solid purple;
36       background-color:purple;
37           margin: 5px;
38       float: left;
39       color:white;
40       }
41   div {text-align: center; }
42   body {background-color:black;   }
```

Cascade Style Sheets File   nb char : 939   nb line : 42   Ln : 2   Col : 1   Sel

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exam 1 review question 15.html | reviewproblem15.css | exam 1 review question 14.html | positioning boxes 8.html

XHTML for Question 15

```xml
 1    <?xml version="1.0" encoding="UTF-8" standalone="no" ?>
 2    <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
 3        "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
 4    <html xmlns="http://www.w3.org/1999/xhtml">
 5    <!-- This is the header section -->
 6    <head>
 7        <title>Exam 1 Review Question 15 </title>
 8        <link rel="stylesheet" href="reviewproblem15.css" type="text/css" />
 9    </head>
10    <!-- This is the body of the document -->
11    <body>
12        <div id="box4"> Box 4</div>
13        <div id="box3"> Box 3</div>
14        <div id="box2"> Box 2</div>
15        <div id="box1"> Box 1</div>
16        <div id="box0"> Box 0</div>
17    </body>
18    </html>
19
```

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exam 1 review question 15.html   reviewproblem15.css   exam 1 review

```css
 1   /* stylesheet for Exam 1 Review Problem 15 */
 2
 3   #box4 {width:100px;
 4           height: 100px;
 5           border: 1px solid yellow;
 6         background-color: yellow;
 7       float: left;
 8     }
 9     #box3 {width:100px;
10           height: 100px;
11           border: 1px solid red;
12     background-color: red;
13     position:relative;
14     left: 102px;
15     top:-102px;
16     clear:left;
17     }
18     #box2 {width: 100px;
19           height:100px;
20           border: 1px solid blue;
21     background-color: blue;
22     float: left;
23     position:relative;
24     left:51px;
25     top:-102px;
26       }
```

Cascade Style Sheets File   nb char : 1030   nb line : 49

exam 1 review question 15.html   reviewproblem15.css   exam 1 review question 14.html

```css
27     #box1 {width: 100px;
28           height: 100px;
29           border: 1px solid green;
30     background-color:green;
31     clear:left;
32     float: left;
33     position:relative;
34     top:-102px;
35     }
36     #box0 {width: 100px;
37           height: 100px;
38           border: 1px solid purple;
39     background-color:purple;
40     float: left;
41    color:white;
42     position:relative;
43     left:102px;
44     top:-204px;
45     clear:left;
46     }
47     div {text-align: center;
48     }
49     body {background-color:black;
```

Cascade Style Sheets File   nb char : 1030   nb line : 49   Ln : 2   Col : 1   Se

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exam 1 review question 16.html   reviewproblem16.css

CSS for Question 16

```css
 1   /* CSS for Exam 1 Review Question 16 */
 2   #box3 {width:100px;
 3          height:  100px;
 4          background-color: yellow;
 5          float: left;
 6          }
 7   #box2 {width:100px;
 8          height:  100px;
 9          background-color: red;
10          position:relative;
11          float:left;
12          left:220px;
13          }
14   #box1 {width: 100px;
15          height:100px;
16          background-color: blue;
17          float: left;
18          position:relative;
19          }
20   div {text-align: center; |  margin:5px;
21          }
22   body {background-color:black;
```

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