Practice Exercise

Review Questions

1. What are the possible values of the "Position" attribute?_____.

2. If `static` is specified, values for the top, bottom, right, and left properties will have no effect.(True / False)_____.

3. The `absolute` value of the `position` property specifies_____.

4. If no value is given to the `position` property, its value is_____.

5. If `position = relative` then the `top` property specifies_____.

6. If `position = absolute` then the `bottom` property specifies_____.

7. `left:-10px;` means that the text is 10% (or 50px) away from the default location.(True / False)_____.

8. `right` property can be specified as a percentage, as a length, or 'auto'.(Yes / No)_____.

9. Possible values of CSS `overflow` property are_____.

10. When there is an overlap between two elements, the_____value determines which one shows up on top.

11. `Overflow:hidden;` does what?_____.

12. Which properties are used to position objects?_____.

13. The `z-index` property can only use positive numbers, and starts on 1.(True / False)_____.

14. Applying `position:relative` to an element will cause the element to be positioned relative to_____.

15. Applying `position:absolute` to an element will cause the element to be positioned relative to_____.

16. What positioning makes an element stay in the same spot, even when the window is scrolled?_____.

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17. What direction(s) is an element able to `float`?_____.

18. What is the default position for all elements on a page?_____.

19. Can you specify more than one CSS class for any HTML element?(Yes / No)_____.

20. What integer property values can we use with the 'z-index' CSS property?_____.

Exercises

- Write the expected output, or compiler errors if any, for each of the following programs in the box provided below each program.

- Then execute the programs and check your answers.

- Then answer the questions given below.

Program 1

```
1  <div id = ''container''>
2      <div id = ''navigation''>...</div>
3  </div>
4
5  #navigation {
6      position: absolute;
7      left: 30px;
8      top: 5px
9  }
```


Q1: Write an equivalent HTML code for the above CSS code snippet?

Q2: Write an equivalent CSS code to position the navigation exactly 30px from the left and 5px from the top of the container box without using `positioning`?

Q3: What would be the `position` value of the container box?

Program 2

```
1  <!DOCTYPE html>
2  <html>
```

```
 3      <head>
 4          <style>
 5              h2 {
 6                  position: absolute;
 7                  left: 100px;
 8                  top: 150px;
 9              }
10          </style>
11      </head>
12      <body>
13          <h2>This heading has an absolute position</h2>
14          <p>With absolute positioning, an element can be placed
15              anywhere on a page. The heading below is placed
16              100px from the left of the page and 150px from the
17              top of the page.
18          </p>
19      </body>
20  </html>
```

Q1: What happens if line 6 is changed to `position:fixed`?

Q2: What happens if line 6 is changed to `position:relative`?

Q3: What happens if line 6 is changed to `position:static`?

Q4: What happens if line 8 is changed to `top:  -100px;`?

Program 3

```
 1  <!DOCTYPE html>
 2  <html>
 3      <head>
 4          <style>
 5              img {
 6                  position: absolute;
 7                  left: 0px;
 8                  top: 0px;
 9                  z-index: -1;
10              }
11          </style>
12      </head>
```

```
13      <body>
14          <h1>This is a heading</h1>
15          <img src=''wise.png'' width=''100'' height=''140''>
16          <p>WISE module - III</p>
17      </body>
18  </html>
```

```
┌─────────────────────────────────────────┐
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│                                         │
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│                                         │
└─────────────────────────────────────────┘
```

Q1: What does `z-index:-1` will do in the above code snippet?

Q2: What happens if line 9 is changed to `z-index:1`?

Q3: What happens if line 6 is changed to `position:static`?

Program 4

```
1  <div class=''article''>
2      <h1>Buddy In-law</h1>
3      <p> A friend of a friend of yours.
4      <a href=''https://www.ts.com/?q=someone''>Someone</a>
5      you have yet to meet, but is friends with your friend.
6      Someone you share a mutual friend with.
7      Someone you share a mutual buddy with. </p>
8  </div>
```

```
┌─────────────────────────────────────────┐
│                                         │
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│                                         │
└─────────────────────────────────────────┘
```

Q1: How would you change the paragraph (<p>) tag font to `Verdana`?

Q2: How would you change the font size of the heading to a 20px?

Q3: How would you make the whole article 600px wide and center the heading?

Additional Exercises

1. Use your knowledge of advanced CSS positioning to build a pizza company website!

2. Use text to create a new web page. Use CSS to format text, elements, DIVs, list. Apply properties text-transform, list-style-image,

text-shadow, box-shadow. Use positioned DIVs to arrange text into side-by-side columns.

3. Create a web page that includes `your name` and at least:

   HTML elements:

   - title tag for the page which includes your name
   - two heading types
   - two paragraphs
   - a list - either numbered or bulleted
   - a table - either a data table or positioning table
   - a horizontal line
   - a link and an email link
   - an image

   CSS:

   - two different font-families and two font sizes
   - background color or background image for the page or a table or a DIV
   - an external style sheet with at least BODY style and P style
   - an internal style sheet with two styles
   - an inline style
   - one image that is floating
   - a positioned element - DIV, table, or something else