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Lists

Lists are often used on webpages to draw visual attention to content. The HTML list element (``) is used to group related items, or summarize key points or ideas on a webpage. This assignment covers unordered and ordered lists.

Unordered Lists (``)

An unordered list displays elements in no particular order. An unordered list created by using the `` tag. Each item in the list is wrapped with an opening `` and a closing ``. The closing tag `` is used when the list is finished.

By default, the list bullets will display as dots. However, the shape and style can be changed using the `list-style-type` attribute (which is not covered in this course).

For example, let's say we wanted to highlight a list of the following shopping experience features — fast delivery. A particular store offers its customers on its website.

The code syntax and how the unordered list will render in the browser is illustrated below.

```
<!DOCTYPE html>
<html>
<head>
  <title>Unordered List</title>
</head>
<body>
<ul>
  <li>Fast</li>
  <li>Easy</li>
  <li>Convenient</li>
</ul>
</body>
</html>
```

- Fast
- Easy
- Convenient

Exercise: Unordered list

Let's practice creating unordered lists. In the code tool below, create an unordered list for the breeds listed below. Use the headers for each horse category.

When you have finished entering your answer, click the 'run code block' to see how your code renders.

Run Code Save Export Reset

index.html

```
1 <!doctype html>
```

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Horses

Categories of Horse: Example Breeds

Draft horses

Draft horses are tall, strong, and heavy as they were bred to carry and pull heavy loads. The average draft weight is 1,500 to 2,500 pounds and can pull over twice their weight for short distances.

Examples

- Belgian
- Clydesdales
- Percheron

Light horses

Theme Select:

rubyblue

Click the following tab to check your answer.

Check Your Answer

The correct code for this lab is below.

```

<!doctype html>
<html>
<head>
<meta charset="utf-8">
</head>
<body>
<h1>Horses</h1>
<h2>Categories of Horse: Example Breeds</h2>
  <h3>Draft horses</h3>
    <p>Draft horses are tall, strong, and heavy
    as they were bred to carry and pull heavy loads. The average draft weight is 1,500 to 2,500 pounds
    and can pull over twice their weight for short distances.</p>
    <h4>Examples</h4>
    <p>Examples of draft horses are:</p>
    <ul>

```

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```

    <p>Warmbloods are the cross of a cold blood draft horse and a hot blood horse.
    These breeds are known for their athleticism and sensible attitude. They are the
    choice on for dressage, jumping, harness and other equestrian sports.</p>
    <h4>Examples</h4>
    <p>Examples of warmbloods are:</p>
    <ul>
    <li>Dutch Warmblood</li>
    <li>Hanoverian</li>
    <li>Trakehner</li>
    </ul>
    <!-- end warmblood section -->
</body>
</html>

```

The following illustrates the correct code in the lab tool.

Run Code block

[index.html](#)

```

9  <h3>Draft horses</h3>
10 <p>Draft horses are tall,
    strong, and heavy
11 as they were bred to carry and
    pull heavy loads. The average
    draft weighs over 1600 lbs and
    can pull over twice their weight
    for short distances.</p>
12 <h4>Examples</h4>
13 <p>Examples of draft horses
    are:</p>
14 <ul>
15 <li>Belgian</li>
16 <li>Clydesdales</li>
17 <li>Percheron</li>
18 </ul>
19 <!-- end draft horses section

```

Draft horses

Draft horses are tall, strong, and heavy. They are bred to carry and pull heavy loads. They weigh over 1600 lbs and can pull over twice their weight for short distances.

Examples

Examples of draft horses are:

- Belgian
- Clydesdales
- Percheron

Light horses

Light horses are bred for agility, endurance, and are used for nearly every form of riding.

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```
</li>convenient</li>  
</ol>  
</body>  
</html>
```

Exercise: Ordered List

Let's practice creating a simple ordered list. In the code tool below, create an ordered list of the top five States.

The top five breeds listed in order are: American Quarter Horse, Arabian, Thoroughbred, Appaloosa, Morgan.

When you have finished entering your answer, click the 'run code block' to see how your code renders.

[Run Code](#)[Save](#)[Export](#)[Reset](#)

index.html

```
1 <!doctype html>  
2 <html>  
3 <head>  
4 <meta charset="utf-8">  
5 </head>  
6  
7 <body>  
8 <h1>Horse Breeds</h1>  
9 <h2>Top Five Breeds of Horses</h2>  
10 <h3>United States</h3>  
11 <ol>  
12 <li>American Quarter Horse</li>  
13 <li>Arabian</li>  
14 <li>Thoroughbred</li>  
15 <li>Appaloosa</li>  
16 <li>Morgan</li>  
17 </ol>
```

Horse Breeds

Top Five Breeds of Horses

United States

1. American Quarter Horse
2. Arabian
3. Thoroughbred
4. Appaloosa

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```
<head>
<meta charset="utf-8">
</head>
<body>
<h1>Horse Breeds</h1>
<h2>Top Five Breeds of Horse</h2>
  <h3>United States</h3>
<ol>
  <li>American Quarter Horse</li>
  <li>Arabian</li>
  <li>Thoroughbred</li>
  <li>Appaloosa</li>
  <li>Morgan</li>
</ol>
<!-- end section -->
</body>
</html>
```

The following illustrates the correct code in the lab tool.

Run Code block

index.html

```
5 </head>
6 <body>
7 <h1>Horse Breeds</h1>
8 <h2>Top Five Breeds of
  Horse</h2>
9 <h3>United States</h3>
10 <ol>
11 <li>American Quarter
    Horse</li>
12 <li>Arabian</li>
13 <li>Thoroughbred</li>
14 <li>Appaloosa</li>
15 <li>Morgan</li>
16 </ol>
17 <!-- end section -->
18 </body>
19 </html>
```

Horse Breeds

Top Five Breeds of Horse

United States

1. American Quarter Horse
2. Arabian
3. Thoroughbred
4. Appaloosa
5. Morgan

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```
</body>
</html>
```

Exercise: Ordered List with Start Attribute

Let's practice creating a simple ordered list that starts at a number other than the number one (1).

In the code tool below, create an ordered list that starts at the number 10 with the following list items:

American Quarter Horse, Arabian, Thoroughbred, Appaloosa, Morgan

When you have finished entering your answer, click the 'run code block' to see how your code renders

[Run Code](#)[Save](#)[Export](#)[Reset](#)

index.html

```

1  <!doctype html>
2  <html>
3  <head>
4  <meta charset="utf-8">
5  </head>
6
7  <body>
8  <h1>Ordered Lists</h1>
9  <h2>Creating a list that starts at a specific number</h2>
10  <ol start='10'>
11    <li>American Quarter Horse</li>
12    <li>Arabian</li>
13    <li>Thoroughbred</li>
14    <li>Appaloosa</li>
15    <li>Morgan</li>
16  </ol> <!--end of section-->
17

```

Ordered Lists

Creating a list that starts at a specific number

10. American Quarter Horse
11. Arabian
12. Thoroughbred
13. Appaloosa
14. Morgan

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```

<meta charset="utf-8">
</head>
<body>
<h1>Ordered Lists</h1>
<h2>Creating a list that starts at a specific number</h2>
  <h3>List starting at the number ten (10)</h3>
  <ol start="10">
    <li>American Quarter Horse</li>
    <li>Arabian</li>
    <li>Thoroughbred</li>
    <li>Appaloosa</li>
    <li>Morgan</li>
  </ol>
  <!-- end section -->
</body>
</html>

```

The following illustrates the correct code in the lab tool.

Run Code block

[index.html](#)

```

6 <body>
7 <h1>Ordered Lists</h1>
8 <h2>Creating a list that starts at a
  specific number</h2>
9 <h3>List starting at the number ten
  (10)</h3>
10 <ol start="10">
11   <li>American Quarter Horse</li>
12   <li>Arabian</li>
13   <li>Thoroughbred</li>
14   <li>Appaloosa</li>
15   <li>Morgan</li>
16 </ol>
17 <!-- end section -->
18 </body>
19 </html>

```

Ordered Lists

Creating a list that starts at a number

List starting at the number ten (10)

10. American Quarter Horse
11. Arabian
12. Thoroughbred
13. Appaloosa
14. Morgan

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</html>

List Tips

An easy way to remember list element tags:

- stands for ordered list
- stands for unordered list

In addition to text, you may also place images, links, or line breaks inside list item () tags.

The ordered list style can be changed to alphabetical, upper- and lowercase roman numerals, or a numbered list starting with "0" using the CSS list-style-type property (which is not covered in this course).

CSS & Lists

While CSS is not covered in this course, it is worth noting that the bullet style in unordered lists, or the number style in ordered lists, can be changed using the CSS list-style-type property.

Navigation menus are one of the most common uses of lists. CSS can be used to convert an unordered list into a horizontal navigation menu.

Nested Lists

A nested list is a list within a list. Nested lists allow users to create a variety of indentations within a list or an outline. To create a nested list, simply add a new list within a parent list.

For example, the following is an example of a nested list using unordered () tags. Notice that when viewed in the browser, the nested list items are identified by a different bullet (or marker style) and will be indented from the parent item.

```
<!DOCTYPE html>
<html>
<head>
  <title>Nested Lists</title>
</head>
```

- Item A
 - Subitem A.1
- Item B
 - Subitem B.1

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```
<ol>
  <li>Item A</li>
    <ol>
      <li>Subitem A.1</li>
    </ol>
  <li>Item B </li>
    <ol>
      <li>Subitem B.1</li>
    </ol>
</ol>
</body>
</html>
```

Nested lists can also be created using both the `` and `` tags list style as shown below.

```
<!DOCTYPE html>
<html>
<head>
  <title>Nested Lists</title>
</head>
<body>
<ol>
  <li>Item A</li>
    <ul>
      <li>Subitem A.1</li>
    </ul>
  <li>Item B </li>
    <ul>
      <li>Subitem B.1</li>
    </ul>
  </ol>
</body>
</html>
```

1. Item A
 - Subitem A.1
2. Item B
 - Subitem B.1

Exercise: Nested Lists

Let's practice creating a nested list.

In the code tool below, create a nested list using both ordered and unordered list types.

Create an ordered list with the following categories of horse: Draft, Light Horses, Gaited Horses, Pony,

Underneath each category of horse, create an unordered list with breed types from that category. The listed under each category are provided below.

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```

9  <h2>Creating a nested list using both ordered and unordered list tags</h2>
10 <ul>
11   <li>Draft horses</li>
12   <ul>
13     <li>Belgian</li>
14     <li>Clydesdales</li>
15     <li>Percheron</li>
16   </ul>

```

Nested Lists

Creating a nested list using both ordered and unordered list tags

Horse Categories and Associated Breeds

- Draft horses
 - Belgian
 - Clydesdales
 - Percheron
- Gaited horses
 - American Saddlebred
 - Tennessee Walking Horse
- Light horses
 - American Quarter Horse
 - Appaloosas
 - Morgans
- Ponies

Theme Select:

rubyblue

Click the following tab to check your answer.

Check Your Answer

The correct code for this lab is below.

```

<!doctype html>
<html>
<head>
<meta charset="utf-8">
</head>
<body>
<h1>Nested Lists</h1>

```

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```

<li>Ponies</li>
<ul>
<li>Hackney Pony</li>
<li>Shetland Pony</li>
</ul>
<li>Warmbloods</li>
<ul>
<li>Dutch Warmblood</li>
<li>Hanoverian</li>
<li>Trakehner</li>
</ul>
</ol>
<!-- end section -->
</body>
</html>

```

The following illustrates the correct code in the lab tool.

[Run Code block](#)
[index.html](#)

```

7 <h1>Nested Lists</h1>
8 <h2>Creating a nested list using both
  ordered and unordered list tags</h2>
9 <h3>Horse Categories and Associated
  Breeds</h3>
10 <ol>
11   <li>Draft</li>
12   <ul>
13     <li>Belgian</li>
14     <li>Clydesdales</li>
15     <li>Percheron</li>
16   </ul>
17   <li>Gaited Horses</li>
18   <ul>
19     <li>American Saddlebred</li>
20     <li>Tennessee Walking Horse</li>
21   </ul>

```

Nested Lists

Creating a nested list using ordered and unordered list tags

Horse Categories and Associated Breeds

1. Draft

- Belgian
- Clydesdales
- Percheron

4. Gaited Horses

- American Saddlebred
- Tennessee Walking Horse

3. Light Horses

- American Quarter Horse
- Appaloosas
- Morgan

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1. Which of the following is the opening tag that is used to create a numbered list in HTML?

a. ``

Incorrect. Try again.

b. `<nl>`

Incorrect. Try again.

c. ``

Correct. `` is the opening tag used to create a numbered list in HTML.

d. ``

Incorrect. Try again.

2. Which of the following is the proper syntax for starting an ordered list at the number four?

a. `<ol begin="4">`

Incorrect. Try again.

b. `<ol start="4">`

Correct. The proper syntax to create an ordered list that starts at the number four (4) is to attribute to the `` tag and place the number four (4) between the quotation marks, i.e.