Organizing Content in HTML

This assignment discusses how to organize content in HTML using heading tags, paragraph tags, and breaks.

Headings

Headings add order and structure to the content of a webpage. Headings can be used to highlight imp for users. Headers are also used by search engines to index the content of a webpage. Therefore, it is and how headings are placed carefully.

HTML offers six heading tag levels from <h1> to <h6>. These headings define a hierarchy, with the he the header's relationship to other headers in the hierarchy (think outline) of the page. The heading tag heading in the document (usually the title), and there can be only one <h1> per page. An <h2> is the n HTML page. If your page has subheadings, the next level down *has* to be an <h2>. You can't skip the in there instead (for example, just because you like the size of the <h3> heading better).
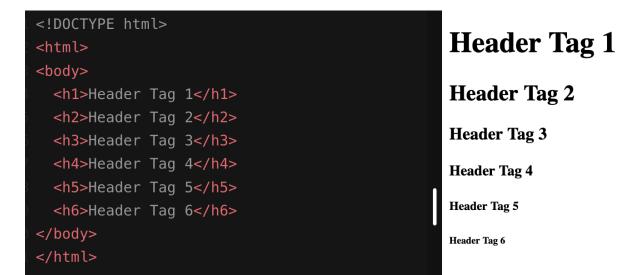
Always remember that HTML describes the structure of the page. So, if you have a <h1> for the page there is something wrong with the page's structure.

Therefore, <h3>s are subheadings that belong under <h2>s, and <h4>s are subheadings that belong u supports six levels of headings, you'll probably find in practice that you almost never use a level beyon

By default, all browsers display heading in a different font style than the other text on the page. The de browser being used. In general, the heading font style is larger and bolder, with <h1> displayed in the headings displayed in the smallest size. It is worth mentioning that the appearance of heading tags ca CSS font styles property — which is not covered in this course.

Example: Headings

Below is an example of how each heading tag renders in a browser window. Notice how the font size a

```
<!DOCTYPE html>
<html>
<body>
  <h1>Header Tag 1</h1>
  <h2>Header Tag 2</h2>
  <h3>Header Tag 3</h3>
  <h4>Header Tag 4</h4>
  <h5>Header Tag 5</h5>
  <h6>Header Tag 6</h6>
</body>
</html>
```

Header Tag 1

Header Tag 2

Header Tag 3

Header Tag 4

Header Tag 5

Header Tag 6

of horses:

- Draft Horses
- Gaited Horses
- Light Horses
- Ponies
- Warmbloods

Outline the structure of the page as follows:

- Create a first section header "Horses"
- Next, create a sub-section header "Five Major Categories"
- Next, create section headers representing each category of horse
- Under each category of horse create a section entitled "Examples"

Enter your code into the code tool below. When you are finished click on the 'run code block' button to in a browser window.

Run Code | Save | Export | Reset

index.html

```
1  <html>
2    <head>
3  <meta charset=utf-8>
4    </head>
5    <body>
6      <h1>Horses</h1>
7      <h2>Five Major Categories</h2>
8      <h3>Draft Horses</h3>
9        <h4>Examples</h4>
10     <h3>Gaited Horses</h3>
11       <h4>Examples</h4>
12     <h3>Light Horses</h3>
13       <h4>Examples</h4>
14     <h3>Ponies</h3>
15       <h4>Examples</h4>
16     <h3>Warm Blooded</h3>
17       <h4>Examples</h4>
```

The correct code for this lab is below.

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
</head>
<body>
<h1>Horses</h1>
<h2>Five Major Categories</h2>
 <h3>Draft horses</h3>
   <h4>Examples</h4>
 <h3>Gaited horses</h3>
   <h4>Examples</h4>
 <h3>Light horses</h3>
   <h4>Examples</h4>
 <h3>Ponies</h3>
   <h4>Examples</h4>
 <h3>Warmbloods</h3>
   <h4>Examples</h4>
 </body>
</html>
```

The following illustrates the correct code in the lab tool.

Run Code block

index.html

```
1 <h1>Horses</h1>
2 <h2>Five Major Categories</h2>
3  <h3>Draft horses</h3>
4    <h4>Examples</h4>
5  <h3>Gaited horses</h3>
6    <h4>Examples</h4>
7  <h3>Light horses</h3>
8    <h4>Examples</h4>
9  <h3>Ponies</h3>
10    <h4>Examples</h4>
11  <h3>Warmbloods</h3>
12    <h4>Examples</h4>
13
```

Horses

Five Major Categories

Draft horses

Examples

Gaited horses

Examples

Light horses

```
<body>
  <p>Manebo mo possim placet im
    restat. Alio per jam uno ecce
    atra. Visae serie curis.</p>
  <p>Ideamque interdum diversum co
    attentum. Deum sint nolo ut quia
    spem dura ut. Nexum deo seu tam
    aliud timet.</p>
  <p>Concipio ad lectorum illamque
    saeculum supponit ut si. Veritates
    se recurrunt ex potestate.</p>
  </body>
</html>
```

Concipio ad lectorum illamque s
si. Veritates se recurrunt ex potes

Adding Vertical Space

Extra or empty space on a webpage should never be created using empty paragraph tags — i.e.
</p>. Empty or additional space around elements on a page is presentational, so it should be ma
in CSS.

Exercise: Adding Paragraphs

Let's build upon the outline we created in the previous exercise and add some paragraphs underneath
describes characteristics of that category of horse. Then, under the examples header, create a paragra
breeds associated with that category.

Add the following paragraphs to the appropriate location in the source code.

Draft Horses:

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

Examples of draft horses are Belgian, Clydesdales, and Percheron.

Gaited Horses:

Gaited horses, like light horses, are bred for riding, and are known for their exceptionally smooth ride.

Examples of warmbloods are the Dutch Warmblood, Hanoverian, and Trakehner.

Enter your code into the code tool below. When you are finished click on the 'run code block' button to in a browser window.

Run Code Save Export Reset

index.html

```
1  <!doctype html>
2  <html>
3  <head>
4  <meta charset="utf-8">
5  </head>
6  <body>
7  <h1>Horses</h1>
8  <h2>Five Major Categories</h2>
9   <h3>Draft horses</h3>
10    <p>Draft horses are tall, strong, and heavy, as they were bred to carry
   The average draft weighs over 1600 lbs and can pull over twice their weigh
   distances.</p>
11     <h4>Examples</h4>
12    <p>Examples of draft horses are Belgian, Clydesdales, and Percheron.</p>
13   <h3>Gaited horses</h3>
14    <p>Gaited horses, like light horses, are bred for riding, and are known
   smooth ride. Light horses have four gates: walk, trot, canter, and gallop
```

```
loads. The average draft weighs over 1600 lbs and can pull over twice t
short distances.</p>
    <h4>Examples</h4>
  <p>Examples of draft horses are Belgian, Clydesdales, and Percheron.<
 <h3>Gaited horses</h3>
  <p>Gaited horses, like light horses, are bred for riding, and are kno
exceptionally smooth ride. Light horses have four gates; walk, trot, ca
In addition to these gates, gaited horses have the pace, the stepping p
walk, the fox trot, the rack and the slow gate. Today these breeds are
smooth pleasure riding and show ring flair.</p>
    <h4>Examples</h4>
  <p>Examples of gaited horses are the American Saddlebred and the Tenn
Horse.</p>
 <h3>Light horses</h3>
  <p>Light horses are bred for agility, endurance, and speed and are us
every form of riding. A variety of horse breeds fall into this category
of this type can vary greatly in build and color.</p>
    <h4>Examples</h4>
  <p>Examples of light horses are the American Quarter horse, Appaloosa
Morgans.</p>
 <h3>Ponies</h3>
  <p>Ponies are incredibly versatile and have been bred to do virtually
imaginable. The definition of a pony is a horse that measures less than
are over a hundred breeds of ponies.</p>
    <h4>Examples</h4>
  <p>Examples of ponies are the Hackney Pony and Shetland Pony.</p>
 <h3>Warmbloods</h3>
  <p>Warmbloods are the cross of a cold blood draft horse and a hot blo
These breeds are known for their athleticism and sensible attitude. The
choice on for dressage, jumping, harness and other equestrian sports.</
    <h4>Examples</h4>
  <p>Examples of warmbloods are the Dutch Warmblood, Hanoverian, and Tr
 </body>
</html>
```

The following illustrates the correct code in the lab tool.

Run Code block

index.html

```
7 <h1>Horses</h1>
8 <h2>Five Major Categories</h2>
9  <h3>Draft horses</h3>
```

Horses

Similarly, the line break tag, or <br>, can be used to insert a single line break on a webpage. It is impor[tant]
using empty <p> tags, it is bad form to use multiple <br> tags to insert vertical space in an HTML file. [CSS]
and manage the vertical spacing around HTML elements. The correct use of <br> is to create a line br[eak]
block-level element like <address></address>, for example.

Example: Horizontal Line Breaks (<hr>)

Below is an example of horizontal rule breaks being used to break up content visually. Notice how the
horizontal line between the paragraphs of content.

```
<!DOCTYPE html>
<html>
<body>
<p>Lorem ipsum dolor sit amet, consectetur
    adipiscing elit, tempor dolore magna
    aliqua. Malesuada proin libero.</p>
    <hr>
<p>Dui vivamus arcu felis bibendum ut
    tristique. Gravida quis blandit turpis
    cursus in hac.</p>
    <hr>
<p>In eu mi bibendum neque egestas.
    Fermentum odio eu feugiat pretium.</p>
</body>
</html>
```

Lorem ipsum dolor sit amet, consectet[ur]
tempor dolore magna aliqua. Malesuad[a]

Dui vivamus arcu felis bibendum ut tri[stique]
blandit turpis cursus in hac.

In eu mi bibendum neque egestas. Fer[mentum]
pretium.

Example: Line Breaks (<br>)

Below is an example of line breaks being used to break up the lines of an address. The first image illus[trates]
image illustrates how the code will render in a browser window. Notice in the second image how the fir[st address is on a]
single line, while the second address is broken into four separate lines using <br> tags.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Use of line break tag</title>
  </head>
  <body>
    <address>
      MindEdge, Inc. 271 Waverly Oaks Road, Suite 404, Waltham, MA 02452
    </address>
<hr>
    <address>
      MindEdge, Inc.<br>271 Waverly Oaks Road,<br>Suite 404,<br> Waltham, MA
    </address>
```

Exercise: Adding Horizontal Rule Breaks

Using the content from the previous labs in this assignment, let's add some horizontal rule breaks on th
different categories of horses.

In the code below, place a horizontal rule break between each category of horse on the page.

Enter your code into the code tool below. When you are finished click on the 'run code block' button to
in a browser window.

| Run Code | Save | Export | Reset |

index.html

```
1  <!doctype html>
2  <html>
3  <head>
4  <meta charset="utf-8">
5  </head>
6  <body>
7  <h1>Horses</h1>
8  <h2>Five Major Categories</h2>
9    <hr>
10   <h3>Draft horses</h3>
11    <p>Draft horses are tall, strong, and heavy as they were bred to carry a
   The average draft weighs over 1600 lbs and can pull over twice their weigh
   distances.</p>
12    <h4>Examples</h4>
13    <p>Examples of draft horses are Belgian, Clydesdales, and Percheron.</p>
14    <hr>
15    <h3>Gaited horses</h3>
```

The correct code for this lab is below.

```
<!doctype html>
<html>
<head>
<meta charset="utf-8">
</head>
<body>
<h1>Horses</h1>
<h2>Five Major Categories</h2>
 <h3>Draft horses</h3>
  <p>Draft horses are tall, strong, and heavy as they were bred to carr
loads. The average draft weighs over 1600 lbs and can pull over twice t
short distances.</p>
   <h4>Examples</h4>
  <p>Examples of draft horses are Belgian, Clydesdales, and Percheron.<
  <hr>
 <h3>Gaited horses</h3>
  <p>Gaited horses, like light horses, are bred for riding, and are kno
exceptionally smooth ride. Light horses have four gates; walk, trot, ca
In addition to these gates, gaited horses have the pace, the stepping p
walk, the fox trot, the rack and the slow gate. Today these breeds are
smooth pleasure riding and show ring flair.</p>
   <h4>Examples</h4>
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Horse.</p>
  <hr>
 <h3>Light horses</h3>
  <p>Light horses are bred for agility, endurance, and speed and are us
every form of riding. A variety of horse breeds fall into this category
of this type can vary greatly in build and color.</p>
   <h4>Examples</h4>
  <p>Examples of light horses are the American Quarter horse, Appaloosa
Morgans.</p>
  <hr>
 <h3>Ponies</h3>
  <p>Ponies are incredibly versatile and have been bred to do virtually
imaginable. The definition of a pony is a horse that measures less than
are over a hundred breeds of ponies.</p>
   <h4>Examples</h4>
  <p>Examples of ponies are the Hackney Pony and Shetland Pony.</p>
  <hr>
```

```
   distances.</p>
11    <h4>Examples</h4>
12    <p>Examples of draft horses are
   Belgian, Clydesdales, and
   Percheron.</p>
13    <hr>
14  <h3>Gaited horses</h3>
15    <p>Gaited horses, like light horses,
   are bred for riding, and are known for
   their exceptionally smooth ride. Light
   horses have four gates: walk, trot
```

Examples

Examples of draft horses are Belgian, Cly
Percheron.

Gaited horses

Gaited horses, like light horses, are bred
known for their exceptionally smooth rid
four gates; walk, trot, canter, and gallop.
gates, gaited horses have the pace, the ste
walk, the fox trot, the rack and the slow g
are valued for their smooth pleasure ridin

Creating Horizontal Spaces

While multiple spaces in a word processing document can be created inside a document using the spa
HTML document created in this manner will be read by browsers as one single space.

Example: HTML Document with Manual Spaces

In the example below, notice how the spaces within the code in the HTML document that have been a
not render in the browser window as spaces.

```
1 <!DOCTYPE html>
2 <html>
3 <body>
4 <p>Lorem ipsum          dolor sit amet,
5    consectetur             adipiscing
6    sed do     eiusmod tempor
7    incididunt.</p>
8 </body>
9 </html>
```

Lorem ipsum dolor sit amet, consectet
eiusmod tempor incididunt.

The correct way to create horizontal space within an HTML file is, of course, with CSS. Any other meth
non-breaking spaces with) would constitute adding presentational markup to the file.

Review Checkpoint

To test your understanding of the content presented in this assignment, please click on the Questions i
answering any of the questions presented here, you are always free to return to this or any assignmen

Correct. The <br> tag is used to insert a line break within a line of text.

d. <lb>

Incorrect. Try again.

2. Which of the following choices illustrate correct syntax?

a.
<H1>
Some text
<H3>
Some text
<H5>
Some text

Incorrect. Try again.

b.
<H1>
Some text
<H2>
Some text
<H3>
Some text

Correct. Heading tags should appear in a descending order — i.e. <h1> followed by <h2> a

c.
<H3>
Some text
<H2>
Some text
<H4>
Some text

Incorrect. Try again

d.