

HTML 5

Adding online images using the img tag

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> embeddedImage.html </title>
  </head>
  <body>
    <h1> The Susan B. Constant </h1>
    <p>
      <img src = "shipStandard.jpg"
        height = "480"
        width = "640"
        alt = "Susan B. Constant" />
    </p>
    <p>
      The <em> Susan B. Constant </em> was flagship of the
      fleet of three small ships that brought settlers to Jamestown,
      the first successful English Colony in the new world. This is a
      replica housed near Jamestown, Virginia.
    </p>
  </body>
</html>
```

Adding a video

```
<!DOCTYPE html>
<html lang= "en">
  <head>
    <title> videoDemo </title>
  </head>
  <body>
    <h1>Video Demo</h1>
    <video src = "bigBuck.ogv"
      controls = "controls">
      Your browser does not support embedded video
      through HTML 5.
    </video>
    <p>
      This video is a trailer for the incredible short movie
      "Big Buck Bunny." This experiment proves that talented
      volunteers can produce a high-quality professional video
      using only open-source tools.
      Go to <a href = "http://www.bigbuckbunny.org">
      http://www.bigbuckbunny.org</a> to see the entire video.
    </p>
```

```

    </body>
</html>

```

Basic definition of list

```

<!DOCTYPE HTML>
<html lang="en-US">
  <head>
    <meta charset="UTF-8">
    <title> BasicDL.html </title>
  </head>
  <body>
    <h1> Basic Definition List </h1>
    <h2> Common Web Browsers </h2>
    <dl>
      <dt> Mosaic </dt>
      <dd>
        The mother of all modern browsers. The first widely used
        visual browser.
      </dd>
      <dt> Netscape </dt>
      <dd>
        The commercial successor to Mosaic. Widely popular, but
        eventually eclipsed by Internet Explorer
      </dd>
      <dt> IE </dt>
      <dd>
        Microsoft's entry into the browser market, and a dominant
        player.
      </dd>
      <dt> Firefox </dt>
      <dd>
        An open-source browser that has shaken up the world.
      </dd>
    </dl>
  </body>
</html>

```

Basic form

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> basicForm.html </title>
  </head>
  <body>
    <h1> A basic form </h1>
    <form action = "">
      <h2> Form elements go here </h2>
      <h3> Other HTML is fine, too. </h3>
    </form>
  </body>
</html>

```

```

    </form>
    <p>
      <input type = "text"
        value = "googoo" />
    </p>
  </body>
</html>

```

Building a password field

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> password.html </title>
  </head>
  <body>
    <form action = "">
      <fieldset>
        <legend> Enter a password </legend>
        <p>
          <label> Type password here </label>
          <input type = "password"
            id = "pwd"
            value = "secret" />
        </p>
      </fieldset>
    </form>
  </body>
</html>

```

Building checkboxes

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> checkBoxes.html </title>
  </head>
  <body>
    <form action = "">
      <fieldset>
        <legend> Please check off your life goals </legend>
        <p>
          <input type = "checkbox"
            id = "chkPeace"
            value = "peace" /> World peace
        </p>
        <p>
          <input type = "checkbox"
            id = "chkHarmony"

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```

        value = "harmony" /> Harmony and brotherhood
    </p>
    <p>
        <input type = "checkbox"
            id = "chkCash"
            value = "cash" /> Cash
    </p>
</fieldset>
</form>
</body>
</html>

```

Building text-style inputs

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> textbox.html </title>
    </head>
    <body>
        <form action = "">
            <p>
                <label> Name </label>
                <input type = "text"
                    id = "txtName"
                    value = "Jonas"/>
            </p>
        </form>
    </body>
</html>

```

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> radioButtons.html </title>
    </head>
    <body>
        <form action = "">
            <fieldset>
                <legend> How much do you want to spend? </legend>
                <p>
                    <input type = "radio"
                        name = "radPrice"
                        id = "rad100"
                        value = "100" /> Too much
                </p>
                <p>
                    <input type = "radio"
                        name = "radPrice"

```

```

        id = "rad200"
        value = "200" /> Way too much
    </p>
    <p>
        <input type = "radio"
            name = "radPrice"
            id = "rad5000"
            value = "5000"
            checked = "checked" /> You've got to be kidding.
    </p>
</fieldset>
</form>
</body>
</html>

```

Building tables

```

<!doctype html>
<html lang = "en">
    <head>
        <meta charset = "UTF-8">
        <title> basicTable.html </title>
    </head>
    <body>
        <h1>A Basic Table</h1>
        <h2>HTML Super Heroes</h2>
        <table border = "1">
            <tr>
                <th> Hero </th>
                <th> Power </th>
                <th> Nemesis </th>
            </tr>
            <tr>
                <td> The HTMLator </td>
                <td> Standards compliance </td>
                <td> Sloppy Code Boy </td>
            </tr>
            <tr>
                <td> Captain CSS </td>
                <td> Super-layout </td>
                <td> Lord Deprecated </td>
            </tr>
            <tr>
                <td> Browser Woman </td>
                <td> Mega-Compatibility </td>
                <td> Ugly Code Monster </td>
            </tr>
        </table>
    </body>
</html>

```

Creating multiple selection elements

```
<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> basicSelect.html </title>
</head>
<body>
  <form action = "">
    <p>
      <label> What is your favorite color? </label>
      <select id = "selColor">
        <option value = "#ff0000"> Red </option>
        <option value = "#00ff00"> Green </option>
        <option value = "#0000ff"> Blue </option>
        <option value = "#00ffff"> Cyan </option>
        <option value = "#ff00ff"> Magenta </option>
        <option value = "#ffff00"> Yellow </option>
        <option value = "#000000"> Black </option>
        <option value = "#ffffff"> White </option>
      </select>
    </p>
  </form>
</body>
</html>
```

Fieldset demo

```
<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> fieldsetDemo.html </title>
</head>
<body>
  <h1> Sample Form with a Fieldset </h1>
  <form action = "">
    <fieldset>
      <legend> Personal Data </legend>
      <p>
        <label> Name </label>
        <input type = "text" />
      </p>
      <p>
        <label> Address </label>
        <input type = "text" />
      </p>
      <p>
        <label> Phone </label>
        <input type = "text" />
      </p>
    </fieldset>
  </form>
</body>
</html>
```

```

    </p>
  </fieldset>
</form>
</body>
</html>

```

Linking to an image

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> externalImage.html </title>
  </head>
  <body>
    <h1> Linking to an External Image </h1>
    <p>
      <a href = "shipStandard.jpg">
        Susan B. Constant
      </a>
    </p>
  </body>
</html>

```

List of links

```

<!--
The list: An ordinary unordered list.
Links: Each list item contains a link.
      The link has a reference and linkable text
Descriptive text: After each link is some ordinary text that describes
the link.
<a> : anchor
-->
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> listLinks.html </title>
  </head>
  <body>
    <h1> Some nice programming books </h1>
    <ul>
      <li> <a href = "http://www.aharrisbooks.net/haio">
        HTML/CSS/JavaScript ALL in One for Dummies </a>
        A complete resource to web development </li>
      <li> <a href = "http://www.aharrisbooks.net/jad">
        JavaScript / AJAX for Dummies </a>
        Using JavaScript, AJAX, and jQuery </li>
      <li> <a href="http://www.aharrisbooks.net/pythonGame">
        Game Programming - the L Line </a>

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        Game development in Python </li>
    <li> <a href="http://www.aharrisbooks.net/h5g">
        HTML5 Game Development for Dummies </a>
        Building web and mobile games in HTML5 </li>
</ul>
</body>
</html>

```

Making multi-line text input

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
    <meta charset = "UTF-8">
    <title> essay.html </title>
</head>
<body>
    <form action = "">
        <fieldset>
            <legend> Quiz </legend>
            <p>
                <label> Name </label>
                <input type = "text"
                    id = "txtName" />
            </p>
            <p>
                <label>
                    Please enter the sum total of
                    Western thought. Be brief.
                </label>
            </p>
            <p>
                <textarea id = "txtAnswer"
                    rows = "10"
                    cols = "40"> </textarea>
            </p>
        </fieldset>
    </form>
</body>
</html>

```

New form input types

```

<!-- Making input-style buttons -->
<input type = "button"
    value = "input type = button" />
    Building a Submit button
<input type = "submit" />
<!-- The Reset button -->
<input type = "reset" />

```



```

<!-- Introducing the <button> tag -->
<button type = "button">
    button tag
</button>
<!-- data -->
<input type = "date"
    id = "date" />
<!-- time -->
<input type = "time"
    id = "time" />
<!-- datetime -->
<input type="datetime"
    id = "datetime" />
<!-- datetime-local -->
<input type="datetime-local"
    id = "datetimeLocal" />
<!-- week -->
<input type = "week"
    id = "week" />
<!-- month -->
<input type = "month"
    id = "month" />
<!-- color -->
<input type = "color"
    id = "color" />
<!-- number -->
<input type = "number"
    id = "number"
    max = "10"
    min = "0" />
<!-- range -->
<input type = "range"
    id = "range"
    min = "0"
    max = "255"
    value = "128" />
<!-- search -->
<input type="search"
    id = "search" />
<!-- email -->
<input type="email"
    id = "txtEmail" />
<!-- tel -->
<input type = "tel"
    id = "tel" />
<!-- url -->
<input type = "url"
    id = "url" />

```

Ordered lists

```
<!doctype html>
<html lang= "en" >
<head>
    <meta charset= "UTF-8" >
<title> basicOL.html </title>
</head>
<body>
    <h1> Basic Ordered List </h1>
    <h2> Top ten dog names in the USA </h2>
    <ol>
        <li> Max </li>
        <li> Jake </li>
        <li> Buddy </li>
        <li> Maggie </li>
        <li> Bear </li>
        <li> Molly </li>
        <li> Bailey </li>
        <li> Shadow </li>
        <li> Sam </li>
        <li> Lady </li>
    </ol>
    <p>
        data from http://www.bowwow.com.au
    </p>
</body>
</html>
```

Unordered lists

```
<!doctype html>
<html lang= "en">
<head>
    <meta charset = "UTF-8">
<title> basicUL.html </title>
</head>
<body>
    <h1> Basic Lists </h1>
    <h2> Common Web Browsers </h2>
    <ul>
        <li> Firefox </li>
        <li> Chrome </li>
        <li> Internet Explorer </li>
        <li> Opera </li>
        <li> Safari </li>
    </ul>
</body>
</html>
```

Pressing your buttons

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> buttons.html </title>
  </head>
  <body>
    <h1> Button Demo </h1>
    <form action = "">
      <fieldset>
        <legend> input-style buttons </legend>
        <input type = "button"
          value = "input type = button" />
        <input type = "submit" />
        <input type = "reset" />
      </fieldset>
      <fieldset>
        <legend>button tag buttons</legend>
        <button type = "button"> button tag </button>
        <button> <img src = "clickMe.gif" alt = "click me" />
        </button>
      </fieldset>
    </form>
  </body>
</html>
```

Spanning row and columns

```
<!doctype html>
<html lang= "en">
  <head>
    <meta charset = "UTF-8">
    <title> tableSpan.html </title>
  </head>
  <body>
    <h1> Using colspan and rowspan </h1>
    <table border = "1">
      <caption><p> My Schedule </p></caption>
      <tr>
        <th></th>
        <th> Monday </th>
        <th> Tuesday </th>
        <th> Wednesday </th>
        <th> Thursday </th>
        <th> Friday </th>
      </tr>
      <tr>
        <th> Breakfast </th>
```

```

        <td> in lair </td>
        <td> with cronies </td>
        <td> in lair </td>
        <td> in lair </td>
        <td> in lair </td>
    </tr>
    <tr>
        <th> Morning </th>
        <td colspan = "2"> Design traps </td>
        <td colspan = "3"> Improve Hideout </td>
    </tr>
    <tr>
        <th> Afternoon </th>
        <td> train minions </td>
        <td> train minions </td>
        <td> train minions </td>
        <td> train minions </td>
        <td rowspan = "2"> world domination </td>
    </tr>
    <tr>
        <th> Evening </th>
        <td> manaical laughter </td>
        <td> manaical laughter </td>
        <td> manaical laughter </td>
        <td> manaical laughter </td>
    </tr>
</table>
</body>
</html>

```

Working with audio

```

<!doctype html>
<html lang = "en">
    <head>
        <meta charset = "UTF-8">
        <title> audio.html </title>
    </head>
    <body>
        <h1> Audio Demo </h1>
        <audio controls = "controls">
            <source src = "Allemande.mp3" type = "audio/mpeg">
            <source src = "Allemande.ogg" type = "audio/ogg">
            Your browser does not support HTML5 Audio
            Please use this link instead:
            <a href = "Allemande.mp3">Allemande.mp3</a>
        </audio>
        <p>
            Music: J.S. Bach "Allemande" Partita for Violin #2
        </p>
    </body>

```

```
</html>
```

Styling with CSS3

Color information

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> basicColors.html </title>
    <style type = "text/css">
      body {
        color: yellow;
        background-color: red;
      }
      h1 {
        color: red;
        background-color: yellow;
      }
    </style>
  </head>
  <body>
    <h1> Red text on a yellow background </h1>
    <p>
      Yellow text on a red background
    </p>
  </body>
</html>
```

Changing the background image

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> backgroundImage.html </title>
    <style type = "text/css">
      body {
        background-image: url("ropeBG.jpg");
      }
      h1 {
        background-image: url("ropeBGLight.jpg");
      }
      p {
        background-color: white;
        background-color: rgba(255, 255, 255, .85);
      }
    </style>
```

```

</head>
<body>
  <h1> Using Background Images </h1>
  <p>
    The heading uses a lighter version of the background,
    and the paragraph uses a solid color background with
    light transparency.
  </p>
  <p>
    The heading uses a lighter version of the background,
    and the paragraph uses a solid color background with
    light transparency.
  </p>
</body>
</html>

```

Combining classes

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title>r edScript.html </title>
    <style type = "text/css">
      .red {
        color: white;
        background-color: red;
      }
      .script {
        font-family: cursive;
      }
    </style>
  </head>
  <body>
    <h1> Multiple Classes </h1>
    <p class = "red">
      This paragraph uses the red class
    </p>
    <p class = "script">
      This paragraph uses the script class
    </p>
    <p class = "red script">
      This paragraph uses both classes
    </p>
  </body>
</html>

```

Creating partial borders

```

<!DOCTYPE html>
<html lang = "en-US">

```

```

<head>
  <meta charset = "UTF-8">
  <title> subBorders.html </title>
  <style type = "text/css">
    h1 {
      border-bottom: 5px black double;
    }
    p {
      border-left: 3px black dotted;
      border-right: 3px black dotted;
      border-top: 3px black dashed;
      border-bottom: 3px black groove;
    }
  </style>
</head>
<body>
  <h1> This heading has a bottom border </h1>
  <p>
    Paragraphs have several borders defined.
  </p>
  <p>
    Paragraphs have several borders defined.
  </p>
</body>
</html>

```

Defining styles for multiple elements

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> multiStyle.html </title>
  <style type = "text/css">
    h1, h2, h3 {
      text-align: center;
      font-family: "Bradley Hand ITC", cursive;
      background-color: yellow;
    }
    h3 {
      font-family: monospace;
    }
  </style>
</head>
<body>
  <h1>H1 Heading </h1>
  <h2>H2 Heading </h2>
  <h3>H3 Heading </h3>
</body>
</html>

```

Fond characteristic line-through

```
<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> strikethrough.html </title>
  <style type = "text/css">
    p {
      text-decoration: line-through;
    }
  </style>
</head>
<body>
  <h1> Strikethrough </h1>
  <p>
    This paragraph has strikethrough text.
  </p>
</body>
</html>
```

Font-face

```
<!DOCTYPE html>
<head>
  <title> EmbeddedFont </title>
  <style type = "text/css">
    @font-face {
      font-family: "Miama";
      src: url("Miama.otf");
    }
    @font-face {
      font-family: "spray";
      src: url("ideoma_SPRAY.otf");
    }
    h1 {
      font-family: Miama;
      font-size: 300%;
    }
    h2 {
      font-family: spray;
    }
  </style>
</head>
<body>
  <h1> Embedded Font Demo </h1>
  <h2> Here's another custom font </h2>
</body>
</html>
```


Image based headers

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> imageTitles.html </title>
  </head>
  <body>
    <h1>
      <img src = "cowsHistory.png"
      alt = "Cows in History" />
    </h1>
    <p>
      This page describes famous cows in history
    </p>
    <h2>
      <img src = "cowpens.png"
      alt = "Battle of Cowpens" />
    </h2>
    <p>
      Most people are unaware that cattle actually took
      part in the battle. They didn't of course. I just
      made that up.
    </p>
  </body>
</html>
```

Box model

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> marginPadding.html </title>
    <style type = "text/css">
      div {
        border: red 5px solid;
      }
      p {
        border: black 2px solid;
      }
      #margin {
        margin: 5px;
      }
      #padding {
        padding: 5px;
      }
      #both {
        margin: 5px;
        padding: 5px;
      }
    </style>
  </head>
  <body>
    <div>
      <p>
        This is a paragraph with a border.
      </p>
    </div>
  </body>
</html>
```

```

    }
  </style>
</head>
<body>
  <h1> Margins and padding </h1>
  <div id = "main">
    <p> This paragraph has the default margins and padding </p>
    <p id = "margin"> This paragraph has a margin but no padding </p>
    <p id = "padding"> This paragraph has padding but no margin </p>
    <p id = "both"> This paragraph has a margin and padding </p>
  </div>
</body>
</html>

```

Border patrol

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> borderProps.html </title>
  <style type = "text/css">
    h1 {
      border-color: red;
      border-width: .25em;
      border-style: double;
    }
  </style>
</head>
<body>
  <h1> This has a border </h1>
</body>
</html>

```

Manipulating Background Images (Turning off the repeat)

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> noRepeat.html </title>
  <style type = "text/css">
    body {
      background-image: url("ropeBG.jpg");
      background-repeat: no-repeat;
    }
    h1 {
      background-color: white;
    }
  </style>

```

```

</head>
<body>
  <h1> Background with no-repeat </h1>
</body>
</html>

```

New CSS3 Border Techniques

- Adding a box shadow

```

<!DOCTYPE HTML>
<html lang = "en">
  <head>
    <title> boxShadow.html </title>
    <meta charset = "UTF-8" />
    <style type = "text/css">
      .shadow {
        box-shadow: 10px 10px 10px #000000;
        height: 200px;
        width: 200px;
        padding: 1em;
        border: 1px solid black;
        border-radius: 5px;
        background-color: #EEEEEE;
      }
    </style>
  </head>
  <body>
    <h1> Box Shadow Demo </h1>
    <div class = "shadow">
      This box has a shadow
    </div>
  </body>
</html>

```

- Adding rounded corners

```

<!DOCTYPE HTML>
<html lang = "en">
  <head>
    <title> corners.html </title>
    <meta charset = "UTF-8" />
    <style type = "text/css">
      h1 {
        width: 60%;
        background-color: #000066;
        color: #9999ff;
        border: #9999ff 3px groove;
        margin: auto;
        text-align: center;
      }
    </style>
  </head>
  <body>
    <h1>

```

```

        border-radius: .5em;
    }
</style>
</head>
<body>
    <h1> Round Corners Demo </h1>
</body>
</html>

```

Organizing the page by meaning

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
    <meta charset = "UTF-8">
    <title> divSpan.html </title>
    <style type = "text/css">
        .contact {
            background-color: #CCCCFF;
        }
        .name {
            font: italic 110% arial, sans-serif;
        }
        .phone {
            font: 100% monospace;
        }
    </style>
</head>
<body>
    <div class = "contact">
        <span class = "name"> Andy </span>
        <span class = "phone"> 111-1111 </span>
    </div>
    <div class = "contact">
        <span class = "name"> Elizabeth </span>
        <span class = "phone"> 222-2222 </span>
    </div>
    <div class = "contact">
        <span class = "name"> Matthew </span>
        <span class = "phone"> 333-3333 </span>
    </div>
</body>
</html>

```

Selecting in context

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
    <meta charset = "UTF-8">

```

```

<title> context-style </title>
<style type = "text/css">
    #special p {
        text-align: right;
    }
</style>
</head>
<body>
    <h1> Selecting By Context </h1>
    <div>
        <p> This paragraph is left-justified. </p>
        <p> This paragraph is left-justified. </p>
        <p> This paragraph is left-justified. </p>
    </div>
    <div id = "special">
        <p> The paragraphs in this div are different. </p>
        <p> The paragraphs in this div are different. </p>
        <p> The paragraphs in this div are different. </p>
    </div>
</body>
</html>

```

Selecting particular segments

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
    <meta charset = "UTF-8">
    <title> quote.html </title>
    <style type = "text/css">
        #quote {
            font: bold italic 130% Garamond, Comic Sans MS, fantasy;
            text-align: center;
        }
        #attribution {
            font: 80% monospace;
            text-align: right;
        }
    </style>
</head>
<body>
    <h1> Literature Quote of the Day </h1>
    <p>
        How to tell somebody off the classy way:
    </p>
    <p id = "quote">
        [Thou] leathern-jerkin, crystal-button, knot-pated,
        agate-ring, puke-stockings, caddis-garter, smooth-tongue, Spanish
        pouch!
    </p>

```

```

    <p id = "attribution">
      -William Shakespeare (Henry IV Part I)
    </p>
  </body>
</html>

```

Setting the font family

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> comicHead.html </title>
    <style type = "text/css">
      h1 {
        font-family: "Comic Sans MS";
      }
    </style>
  </head>
  <body>
    <h1> This is a heading </h1>
    <p>
      This is ordinary text.
    </p>
  </body>
</html>

```

Using classes

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> classes.html </title>
    <style type = "text/css">
      .question {
        font: italic 150% arial, sans-serif;
        text-align: left;
      }
      .answer {
        font: 120% "Comic Sans MS", cursive;
        text-align: right;
        color: #00F;
      }
    </style>
  </head>
  <body>
    <h1> Favorite Jokes </h1>
    <p class = "question">
      What kind of cow lives in the Arctic?

```

```

    </p>
    <p class = "answer">
        An Eskimoo!
    </p>
    <p class = "question">
        What goes on top of a dog house?
    </p>
    <p class = "answer">
        The woof!
    </p>
</body>
</html>

```

Using emphasis and strong emphasis

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> emphasis.html </title>
    </head>
    <body>
        <h1> Emphasis and Strong Emphasis </h1>
        <p>
            This paragraph illustrates two main kinds of emphasis.
            <em> This sentence uses the em tag. </em>
            By default, emphasis is italic.
            <strong> This sentence uses strong emphasis. </strong>
            The default formatting of strong emphasis is bold.
        </p>
        <p>
            Of course you can change the formatting with CSS.
            This is a great example of <em> semantic </em> formatting.
            Rather than indicating the <strong>formatting </strong>
            of some text, you indicate <strong> how much it is
            emphasized. </strong>
        </p>
        <p>
            This way, you can go back and change things, like adding color
            to emphasized text without the formatting commands
            muddying your actual text.
        </p>
    </body>
</html>

```

Using font-style for italics

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">

```

```

<title> italics.html </title>
<style type = "text/css">
  p {
    font-style: italic;
  }
</style>
</head>
<body>
  <h1> Italics </h1>
  <p> This paragraph is in italic form. </p>
</body>
</html>

```

Using font-weight for bold

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> bold.html </title>
  <style type = "text/css">
    p {
      font-weight: bold;
    }
  </style>
</head>
<body>
  <h1> Boldface </h1>
  <p>
    This paragraph is bold.
  </p>
</body>
</html>

```

Using HSL colours

```

<!DOCTYPE html>
<html lang = "en-US">
<head>
  <meta charset = "UTF-8">
  <title> HSLcolors.html </title>
  <style type = "text/css">
    body {
      background-color: HSL(180, 75%, 75%);
    }
    h1{
      color: HSL(180, 75%, 25%);
      background-color: HSL(180, 75%, 90%);
    }
    p {
      color: HSL(0, 75%, 25%);
    }
  </style>
</head>
<body>
  <h1> HSL Colors </h1>
  <p> This paragraph is in HSL color. </p>
</body>
</html>

```



```

    }
  </style>
</head>
<body>
  <h1> This is a headline </h1>
  <p>
    This is a paragraph
  </p>
</body>
</html>

```

Using images in lists

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> listImages.html </title>
    <style type = "text/css">
      li {
        list-style-image: url("pepper.gif");
      }
    </style>
  </head>
  <body>
    <h1> My Favorite Peppers </h1>
    <ul>
      <li> Green </li>
      <li> Habenero </li>
      <li> Arrivivi Gusano </li>
    </ul>
  </body>
</html>

```

Using pseudo-classes to style links

```

<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> linkStates.html </title>
    <style type = "text/css">
      a {
        color: black;
        background-color: white;
      }
      a:visited {
        color: black;
        background-color: #FFFF33;
      }
    </style>
  </head>
  <body>
    <a href="#">Link States</a>
  </body>
</html>

```

```

        a:hover {
            color: white;
            background-color: black;
        }
    </style>
</head>
<body>
    <h1> Pseudo-classes and links </h1>
    <p>
        <a href = "http://www.google.com"> This link is normal </a>
    </p>
    <p>
        <a href = "http://www.reddit.com"> This link has been
            visited </a>
    </p>
    <p>
        <a href = "http://www.digg.com"> The mouse is hovering over
            this link </a>
    </p>
</body>
</html>

```

Using text-align for basic alignment

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> center.html </title>
        <style type = "text/css">
            p {
                text-align: center;
            }
        </style>
    </head>
    <body>
        <h1> Centered </h1>
        <p>
            This paragraph is centered.
        </p>
    </body>
</html>

```

Using text-decoration

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> underline.html </title>
        <style type = "text/css">

```

```

    p {
        text-decoration: underline;
    }
</style>
</head>
<body>
    <h1> Underline </h1>
    <p>
        This paragraph is underlined.
    </p>
</body>
</html>

```

Using the border-shortcut

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> borderShortcut.html </title>
        <style type = "text/css">
            h1 {
                border: red 5px solid;
            }
        </style>
    </head>
    <body>
        <h1> This page uses the border shortcut </h1>
    </body>
</html>

```

Using the font-shortcut

```

<!DOCTYPE html>
<html lang = "en-US">
    <head>
        <meta charset = "UTF-8">
        <title> fontTag.html </title>
        <style type = "text/css">
            p {
                font: bold italic 150% "Dadhand", cursive;
            }
        </style>
    </head>
    <body>
        <h1> Using Font shortcut </h1>
        <p>
            This paragraph has many settings.
        </p>
    </body>

```

```
</html>
```

Working with subscripts and superscripts

```
<!DOCTYPE html>
<html lang = "en-US">
  <head>
    <meta charset = "UTF-8">
    <title> SuperSub.html </title>
  </head>
  <body>
    <p>
      A<sup>2</sup> + B<sup>2</sup> = C<sup>2</sup>
    </p>
    <p>
      i<sub>0</sub> = 0
    </p>
  </body>
</html>
```