|  |  |  |  |
| --- | --- | --- | --- |
|  |  | **Media** |  |

|  |
| --- |
| **Your Tasks** |
| * Reference media * Apply the type attribute to lists * Have Ms. Pluska check off the above tasks * Create a nested lists * Predict the output of code using list tags * Receive credit for the group portion of this lab |

* **Reference media**

So far, you've structured your content using paragraphs, headings, and lists. In this lesson you will how to add images and videos to make your content more interesting.

The images and videos you include with your page are separate files and will need to be referenced correctly to be displayed.

Images and videos are referenced using **src** attribute - short for **source**. This tells the tag the location of the image or video to load.

Consider the following file structure. Media is the name of the folder. And, inside the folder we have a file called *Index.html* and an image called *Frog.jpg*. The following code could be used to reference the *Frog.jpg* image from the *Index.html* page.

|  |  |
| --- | --- |
| **Media** | src = “Frog.jpg” |
| Index.html  Frog.jpg |

Now consider an example where the *Frog.jpg* we are trying to reference is stored in a directory that is different than *Index.html*. In the file structure below, we have created a directory called *Images* inside the *Media* folder and placed the *Frog.jpg* image inside of it. The following code could be used to reference the *Frog.jpg* image from the *Index.html* page.

|  |  |
| --- | --- |
| **Media** | src = “Images/Frog.jpg” |
| Index.html   |  | | --- | | **Images** | | Frog.jpg | |

Now consider the situation below. *Media* and *Images* are both separate directories in the *MyWebsite* directory. Inside the *Media* directory we have an *Index.html* page and inside the *Images* directory we have our image *Frog.jpg* we want to reference. To do this, we must first “backout” of the *Media* directory, then enter the Images directory. The “. .” syntax is used to backout of a directory.

|  |  |  |
| --- | --- | --- |
| **MyWebsite** | | src = “../Images/Frog.jpg” |
| **Media** | **Images** |
| Index.html | Frog.jpg |

|  |  |
| --- | --- |
| Write code that could be used to reference the Cat.png image from the Index.html page | |
| **File Structure** | **Code** |
| |  | | --- | | **MyWebsite** | | Index.html  Cat.png | |  |
| |  | | --- | | **MyWebsite** | | Index.html   |  | | --- | | **Media** | | |  |  | | --- | --- | | **Images** | **Videos** | | Cat.png | Dog.mp4 | | | |  |
| |  | | --- | | **MyWebsite** | | |  |  | | --- | --- | | **AboutMe** | **Media** | | Index.html | |  | | --- | | **Images** | | Cat.png | | | |  |

|  |  |
| --- | --- |
| **Code** | **Output** |
| <!DOCTYPE html>  <html>  <head>  </head>  <body>  <h1>  Scotcharoos  </h1>  <h2>  Yummy family treat!  </h2>  <h3>  Description  </h3>  <p>  This peanut butter treat will be something everyone will enjoy! A crunchy peanut butter bottom with a smooth chocolate and butterscotch top make for a yummy combination.  </p>  <h3>Ingredients</h3>  <ul>  <li>1 cup light corn syrup </li>  1 cup sugar  <li>1 cup peanut butter </li>  <li>6 cups Rice Krispies cereal </li>  <li>1 cup semi-sweet chocolate morsels </li>  <li>1 cup butterscotch chips</li>  </ul>    <h3> Directions </h3>  <ol>  <li> Measure out all ingredients before starting. </li>  Coat 13 x 9 x 2 inch pans with shortening.  <li>Place corn syrup and sugar into 3-quart saucepan. Cook over medium heat, stirring frequently, until sugar dissolves and mixture begins to boil. </li>  <li>Remove from heat. Stir in peanut butter. Mix well.</li>  <li>Add Rice Krispies cereal. Stir until well coated. </li>  <li>Press mixture into 13 x 9 x 2-inch pan coated with cooking spray. Set aside. </li>  <li> Melt chocolate and butterscotch chips together in a bowl in the microwave. Remove from the microwave every 30-45 seconds to stir until melted.</li>  <li>Spread evenly over cereal mixture. Let stand until firm.</li>  <li>ENJOY!</li>  </ol>    </body>  </html> |  |

* **Apply the type attribute to lists**

The type attribute of the [<ol>](https://www.w3schools.com/tags/tag_ol.asp) tag, defines the type of the list item marker. Each are described below.

|  |  |
| --- | --- |
| Type | Description |
| type="1" | The list items will be numbered with numbers (default) |
| type="A" | The list items will be numbered with uppercase letters |
| type="a" | The list items will be numbered with lowercase letters |
| type="I" | The list items will be numbered with uppercase roman numbers |
| type="i" | The list items will be numbered with lowercase roman numbers |

Below illustrates how to apply the type attribute,

|  |  |
| --- | --- |
| **Code** | **Output** |
| <ol type="A">  <li>Cat</li>  <li>Dog</li>  <li>Fish</li>  </ol>  <ol type="i">  <li>Cat</li>  <li>Dog</li>  <li>Fish</li>  </ol>  <ol type="I">  <li>Cat</li>  <li>Dog</li>  <li>Fish</li>  </ol>  <ol type="1">  <li>Cat</li>  <li>Dog</li>  <li>Fish</li>  </ol> |  |

|  |  |
| --- | --- |
| Write code that could be used to create the following output, | |
| **Output** | **Code** |
|  |  |

* **Have Ms. Pluska check off the above tasks**



Before you continue have Ms. Pluska check off the above tasks

Do not continue until you have Ms. Pluska’s (or her designated TA’s) signature \_\_\_\_\_\_\_\_\_\_\_\_

* **Create nested lists**

Nested lists, just like the name implies, are just lists inside lists. Consider the following example,

|  |  |
| --- | --- |
| **Code** | **Output** |
| <ul>  <li>Coffee</li>  <li>Tea  <ul>  <li>Black tea</li>  <li>Green tea</li>  </ul>  </li>  <li>Milk</li>  </ul> |  |

|  |  |
| --- | --- |
| Write code that could be used to create the following output, | |
| **Output** | **Code** |
|  |  |

* **Predict the output of code using list tags**

Interpreting list tags can get confusing, especially when different lists are nested together. Consider the example below,

|  |  |
| --- | --- |
| Predict the output of the following code. | |
| **Code** | **Output** |
| <!DOCTYPE html>  <html>  <head>  </head>  <body>  <h1> My Hobbies </h1>  <ol type="I">  <li>Skiing</li>  <ul>  <li>Telemark</li>  <li>Cross country</li>  </ul>  <li>Programming</li>  <ul>  <li>HTML</li>  <li>CSS</li>  <li>javascript</li>  </ul>  <li>Mountain Biking</li>  <ul>  <li>Enduro</li>  <li>Cross Country</li>  <li>Downhill</li>  </ul>  </ol>  </body>  </html> |  |

* **Receive Credit for the group portion of this lab**



* Indicate the names of all group members.
* Have Ms. Pluska check your formatting text
* Submit your lab to the needs to be graded folder to receive credit for the group portion of this lab.
* Do not submit your lab until you have Ms. Pluska’s (or her designated TA’s) signature

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