

Listing, Image, Hyperlink, Table

Web application with HTML and CSS



Lesson Objectives

- Listing
- Image
- Hyperlink
- Table

Section 1

LISTING

- **HTML Lists:** Are used to present list of information in well formed and semantic way.
- There are three different types of list in HTML and each one has a specific purpose and meaning.
 - **Unordered list** — Used to create a list of related items, in no particular order.
 - **Ordered list** — Used to create a list of related items, in a specific order.
 - **Description list** — Used to create a list of terms and their descriptions.

➤ Unordered list

| Example | Try this code » |
|-----------------------------------------------------------|-----------------|
| 1 <code></code> | |
| 2 <code> Chocolate Cake</code> | |
| 3 <code> Black Forest Cake</code> | |
| 4 <code> Pineapple Cake</code> | |
| 5 <code></code> | |

Output

- Chocolate Cake
- Black Forest Cake
- Pineapple Cake

➤ Order list

| Example | | Try this code » |
|---------|---------------------------------------------------------------|-----------------|
| 1 | <code></code> | |
| 2 | <code> Fasten your seatbelt</code> | |
| 3 | <code> Starts the car's engine</code> | |
| 4 | <code> Look around and go</code> | |
| 5 | <code></code> | |

Output

1. Fasten your seatbelt
2. Starts the car's engine
3. Look around and go

➤ Description list

| Example | | Try this code » |
|---------|-------------------------------------------------------------------------------|-----------------|
| 1 | <code><dl></code> | |
| 2 | <code> <dt>Bread</dt></code> | |
| 3 | <code> <dd>A baked food made of flour.</dd></code> | |
| 4 | <code> <dt>Coffee</dt></code> | |
| 5 | <code> <dd>A drink made from roasted coffee beans.</dd></code> | |
| 6 | <code></dl></code> | |

Output

Bread

A baked food made of flour.

Coffee

A drink made from roasted coffee beans.

- **Nesting list:** List can be nested (lists inside lists):

```
1  <ol>
2    <li>Remove the skin from the garlic, and chop coarsely.</li>
3    <li>Remove all the seeds and stalk from the pepper, and chop coarsely.</li>
4    <li>Add all the ingredients into a food processor.</li>
5    <li>Process all the ingredients into a paste.
6      <ul>
7        <li>If you want a coarse "chunky" hummus, process it for a short time.</li>
8        <li>If you want a smooth hummus, process it for a longer time.</li>
9      </ul>
10   </li>
11 </ol>
```

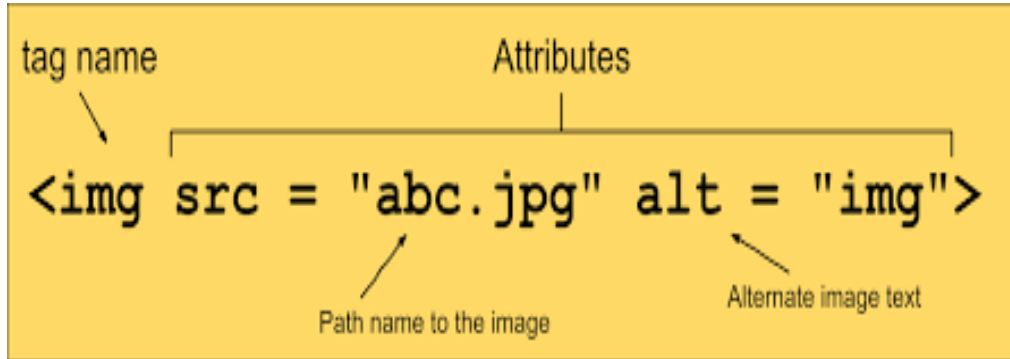

Practice

CREATE LIST PRODUCTS

Section 2

IMAGE, HYPERLINK

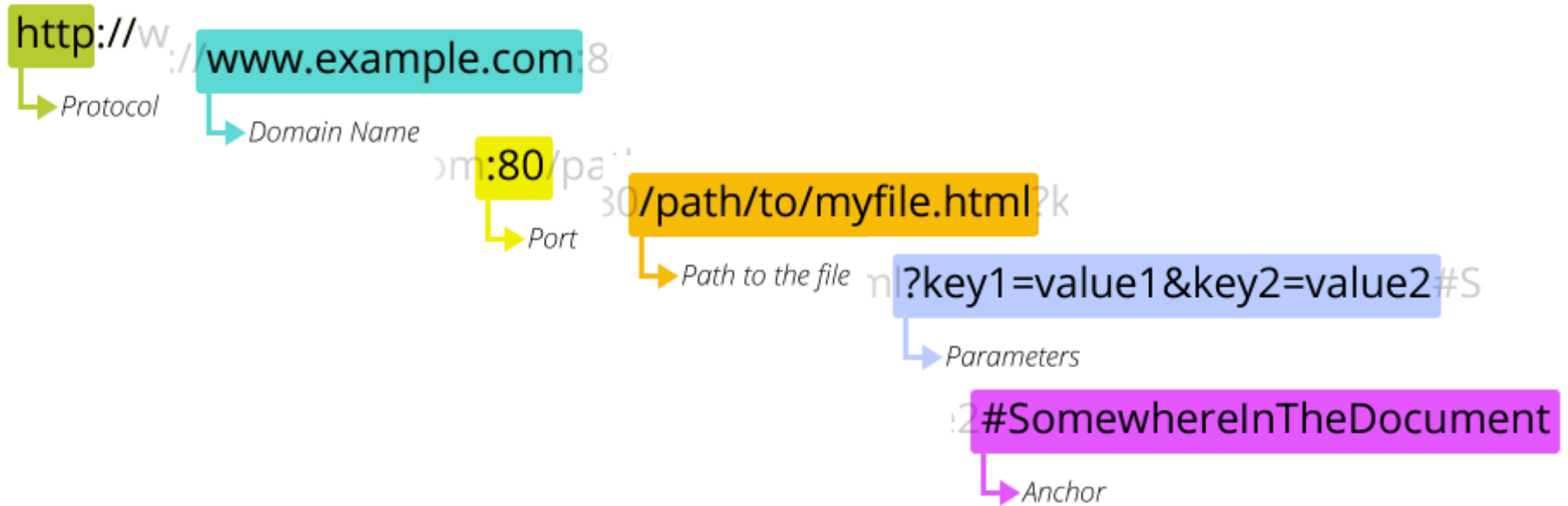
- **Image:** `` element used to embed a simple image in a webpage.
- **Attributes**
 - *src*: Specifies the URL of an image
 - *alt*: Specifies an alternate text for an image



- **URL (Uniform Resource Locator):** A string of text that defines where something is located on the Web.
- **Path:** URLs use paths to find files. Paths specify where in the filesystem the file you need is located.

URL & Path


1 | `http://www.example.com:80/path/to/myfile.html?key1=value1&key2=value2#SomewhereInTheDocument`



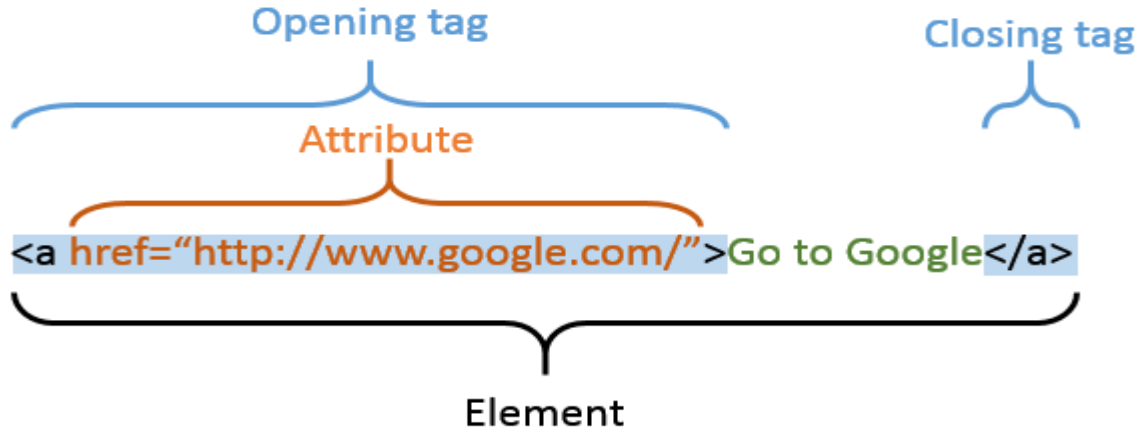
- **Absolute URL:** Points to a location defined by its absolute location on the web, including protocol and domain name.
 - *An absolute URL will always point to the same location, no matter where it is used.*
- **Relative URL:** Points to a location that is *relative* to the file you are linking from.
 - *A relative URL will point to different places depending on the actual location of the file you refer from*

Folder and Subfolders

Local Disk (D:) > Fsoft > FirstWebsite

| | Name ^ | Date modified | Type | Size |
|---|----------------------------------------------------------------------------------------------|--------------------|----------------------|------|
| ★ | css | 10/14/2020 9:54 AM | File folder | |
| ★ | images | 10/14/2020 9:54 AM | File folder | |
| ★ | media | 10/14/2020 9:54 AM | File folder | |
| ★ | template | 10/14/2020 9:54 AM | File folder | |
| ★ |  index.html | 10/14/2020 9:56 AM | Microsoft Edge HT... | 1 KB |

- The <a> tag defines a hyperlink, which is used to link from one page to another.



- **The title attribute:** Specifies extra information about an element. The information is most often shown as a tooltip text when the mouse moves over the element.
- **Block level link:** A link can wrap any content, even block level elements, like that

```
1 <a href="https://www.mozilla.org/en-US/">  
2     
3 </a>
```

➤ Link to part of HTML:

- Add an id attribute to your anchor element to give a name to the section of the page.

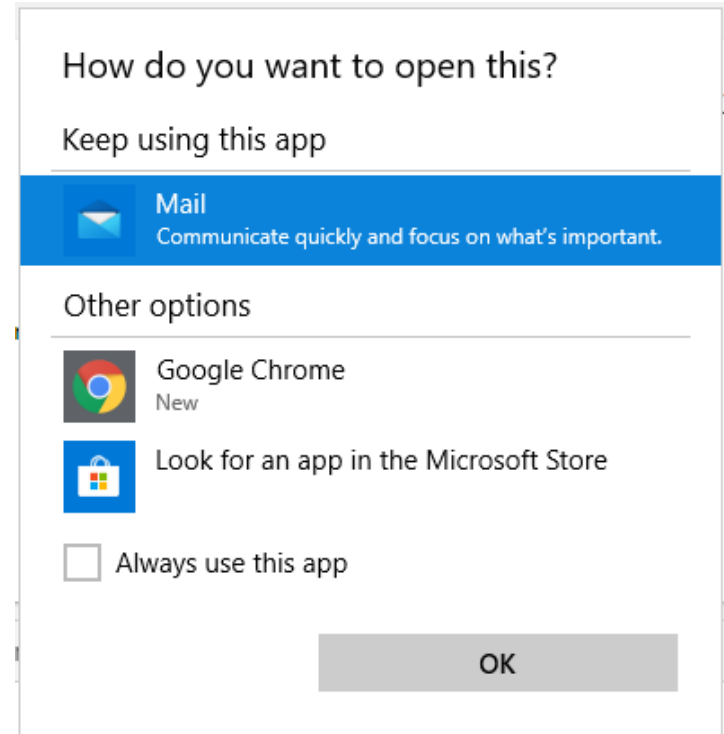
```
<a id="anchor-name">The section name here where you want to jump</a>
```

- Create a hyperlink using the id of the link target, preceded by #.

```
<a id="anchor-name">The section name here where you want to jump</a>
```

- **Email link:** Open a new outgoing email message instead of linking to a resource or page.

```
1 | <a href="mailto:nowhere@mozilla.org">Send email to nowhere</a>
```



- **Email link:** Open a new outgoing email message instead of linking to a resource or page.

```
<h1>Tony Stark</h1>
<p>Mechanic at Stark Industry</p>
<p>Mail: <a href="mailto:tony@stark.com">tony@stark.com</a></p>
<p>Phone: <a href="tel:212-970-4133">Dial 212-970-4133 now!</a></p>
```

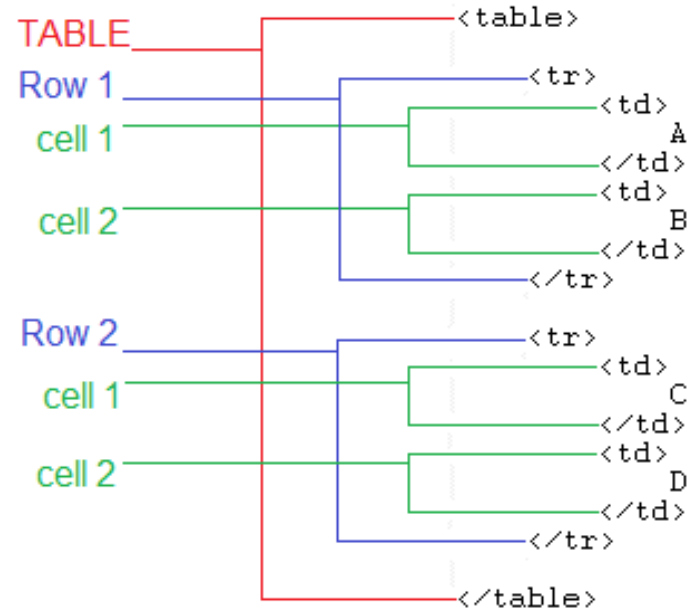
Practice

LINK IN MENU

Section 3

TABLE

- **Table:** A structured set of data made up of rows and columns (**tabular data**).



- The `<table>` tag defines an HTML table.
- Each table row is defined with a `<tr>` tag.
- Each table header is defined with a `<th>` tag.
- Each table data/cell is defined with a `<td>` tag.
- By default, the text in `<th>` elements are bold and centered.
- By default, the text in `<td>` elements are regular and left-aligned.

➤ Attributes:

- **Align:** This enumerated attribute indicates how the table must be aligned inside the containing document. It may have the following values: (*left, center, right*)
- **Bgcolor:** Specifies the background color of the table.
- **Border:** This integer attribute defines, in pixels, the size of the frame surrounding the table. If set to 0, the frame attribute is set to void.

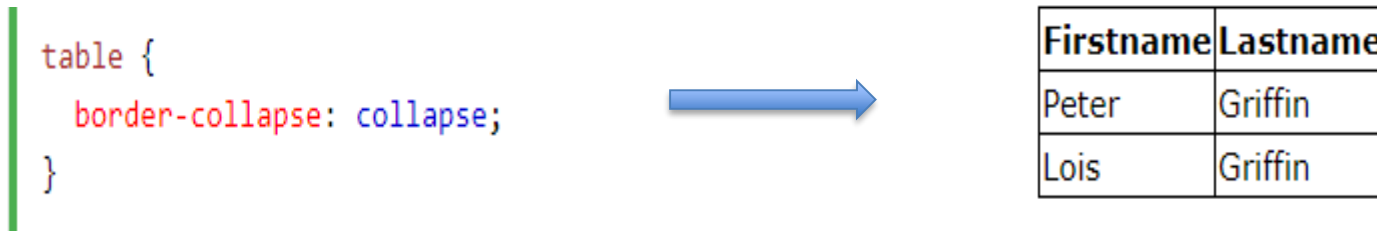
```
table, th, td {  
  border: 1px solid black;  
}
```



| Firstname | Lastname |
|-----------|----------|
| Peter | Griffin |
| Lois | Griffin |

➤ Attributes:

- **border-collapse:** Sets whether the table borders should be collapsed into a single border



```
table {  
  border-collapse: collapse;  
}
```

| Firstname | Lastname |
|-----------|----------|
| Peter | Griffin |
| Lois | Griffin |

- **padding:** Control the space between the border and the content in a table

Table Caption

```
<table>
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$50</td>
  </tr>
</table>
```

| Month | Savings |
|----------|---------|
| January | \$100 |
| February | \$50 |

Cell that Spans Many Columns

```
<table style="width:100%">
  <tr>
    <th>Name</th>
    <th colspan="2">Telephone</th>
  </tr>
  <tr>
    <td>Bill Gates</td>
    <td>55577854</td>
    <td>55577855</td>
  </tr>
</table>
```

Cell that spans two columns

To make a cell span more than one column, use the colspan attribute.

| Name | Telephone | |
|------------|-----------|----------|
| Bill Gates | 55577854 | 55577855 |

Cell that Spans Many Rows

```
<table style="width:100%">
  <tr>
    <th>Name:</th>
    <td>Bill Gates</td>
  </tr>
  <tr>
    <th rowspan="2">Telephone:</th>
    <td>55577854</td>
  </tr>
  <tr>
    <td>55577855</td>
  </tr>
</table>
```

Cell that spans two rows

To make a cell span more than one row, use the `rowspan` attribute.

| | |
|-------------------|------------|
| Name: | Bill Gates |
| Telephone: | 55577854 |
| | 55577855 |

HTML Table Tags

| Tag | Description |
|-------------------------|-------------------------------------------------------------------------|
| <u><table></u> | Defines a table |
| <u><th></u> | Defines a header cell in a table |
| <u><tr></u> | Defines a row in a table |
| <u><td></u> | Defines a cell in a table |
| <u><caption></u> | Defines a table caption |
| <u><colgroup></u> | Specifies a group of one or more columns in a table for formatting |
| <u><col></u> | Specifies column properties for each column within a <colgroup> element |
| <u><thead></u> | Groups the header content in a table |
| <u><tbody></u> | Groups the body content in a table |
| <u><tfoot></u> | Groups the footer content in a table |

Practice

CREATE TABLE

Create table

| Account | Email | GPA | Quizzes | | | | Assignments | | Exam |
|------------|--------------------------------------------------------------------|--------|---------|--------|--------|--------|-------------|-------|------|
| | | | Quiz 1 | Quiz 2 | Quiz 3 | Quiz 4 | Asm 1 | Asm 2 | |
| LuongPD2 | LuongPD2@fsoft.com.vn | 0 | | | | | | | |
| DucLH19 | DucLH19@fsoft.com.vn | 2.625 | 17 | 18 | 17 | 18 | | | |
| HaiTX3 (*) | HaiTX3@fsoft.com.vn | 2.55 | 19 | 16 | 18 | 15 | | | |
| HaiTD9 | HaiTD9@fsoft.com.vn | 2.1 | 16 | 12 | 14 | 14 | | | |
| KhanhPV6 | KhanhPV6@fsoft.com.vn | 0 | | | | | | | |
| SonPT35 | SonPT35@fsoft.com.vn | 2.5125 | 17 | 17 | 17 | 16 | | | |
| LuanNK2 | LuanNK2@fsoft.com.vn | 2.475 | 20 | 17 | 15 | 14 | | | |
| TrangVM | TrangVM@fsoft.com.vn | 2.5875 | 17 | 16 | 20 | 16 | | | |
| SonD2 | SonD2@fsoft.com.vn | 2.775 | 20 | 17 | 19 | 18 | | | |
| HaoLQ | haolq.jackie@gmail.com | 2.3625 | 17 | 15 | 16 | 15 | | | |
| Nam | teobeo2009@gmail.com | 1.65 | 18 | | 11 | 15 | | | |
| Hải Anh | | 0.6 | | | | 16 | | | |

Lesson Summary



Thank you

