



Logols Learning

WEEKEND WEB DEVELOPMENT BOOT CAMP

TRAINING: HTML

Elements

- ▶ Elements are the objects in a page
- ▶ Have a start and an end tag
- ▶ Can be nested if the definition allows it
- ▶ Can have a value between the tags
- ▶ Empty elements do can have / instead of ending tag
- ▶ Use lowercase even though not case sensitive

Example:

```
<html>  
  <body>  
    Welcome to the page.  
    <br />  
  </body>  
</html>
```

Attributes

- ▶ Attributes are properties associated with an element
- ▶ Located in the start tag
- ▶ Have the syntax **name="value"**

Example:

```
<p title="My Header">  
  Welcome to the page.  
</p>
```

DocType

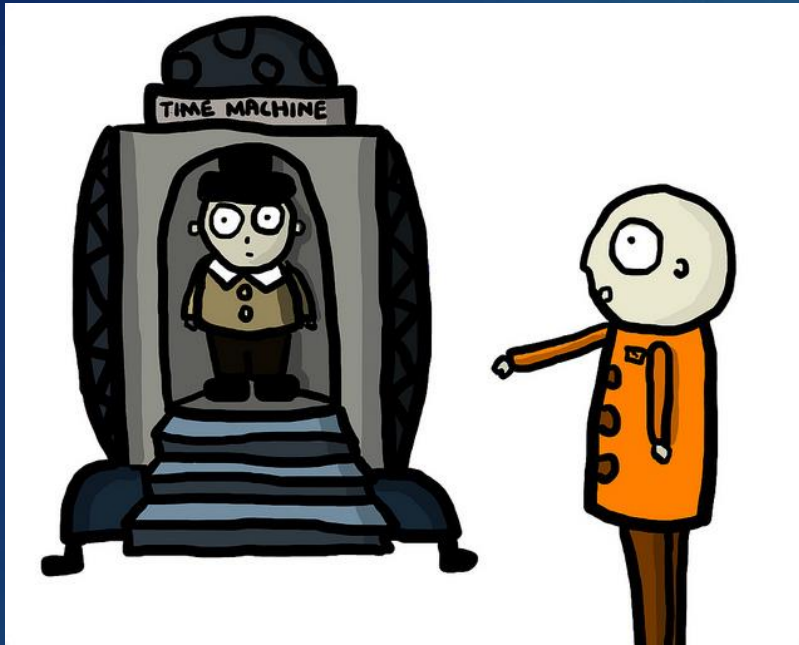
- ▶ First in the HTML file
- ▶ Instructs the browser the version of HTML that is used
- ▶ Types:
 - ▶ HTML 5
 - ▶ HTML 4.01 Transitional
 - ▶ HTML 4.01 Frameset
 - ▶ Etc...
- ▶ Example: <http://html.com/tags/doctype/>

Basic Structure

- ▶ DocType
- ▶ Html
- ▶ Head
- ▶ Body

Example:

```
<!DOCTYPE html>
<html>
  <head>
    <title>
      My title
    </title>
  </head>
  <body>
    Welcome to the page.
    <br />
  </body>
</html>
```

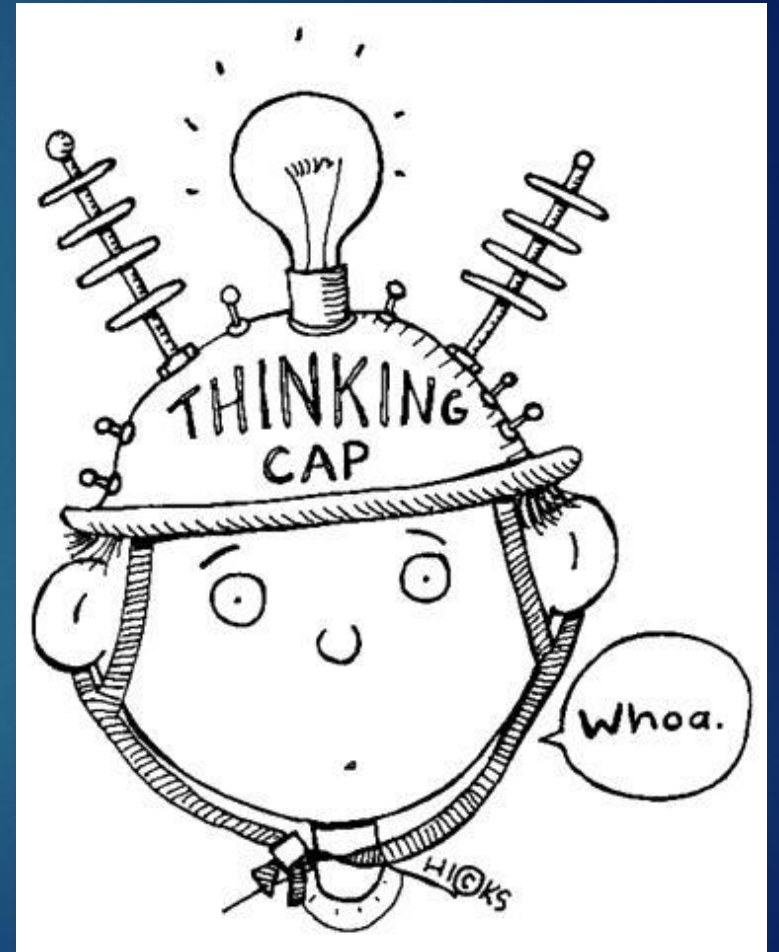


EXAMPLE

BASIC HTML STRUCTURE

ASSESSMENT

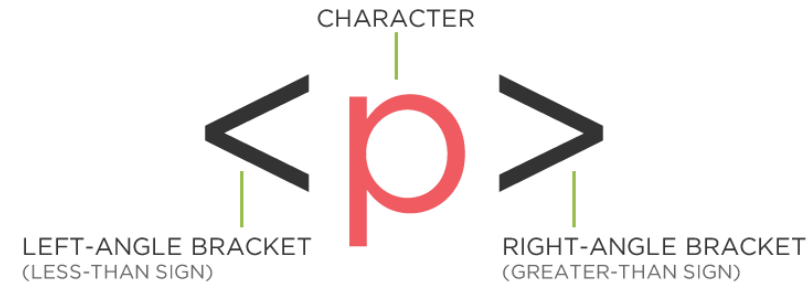
BASIC HTML STRUCTURE



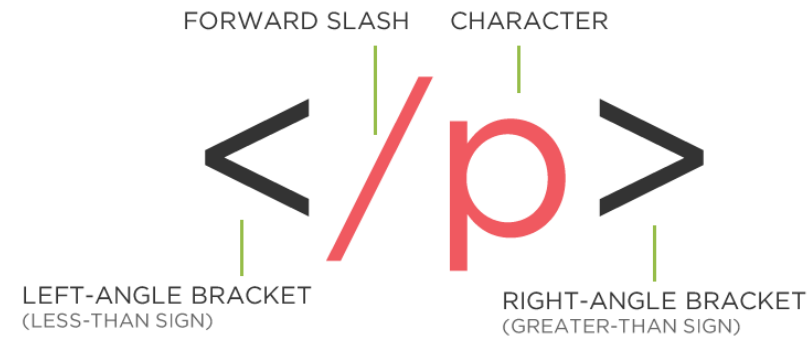
Common Elements

- ▶ div
- ▶ span
- ▶ p
- ▶ h1, h2, h3, h4, h5, h6
- ▶ br
- ▶ hr

OPENING TAG



CLOSING TAG



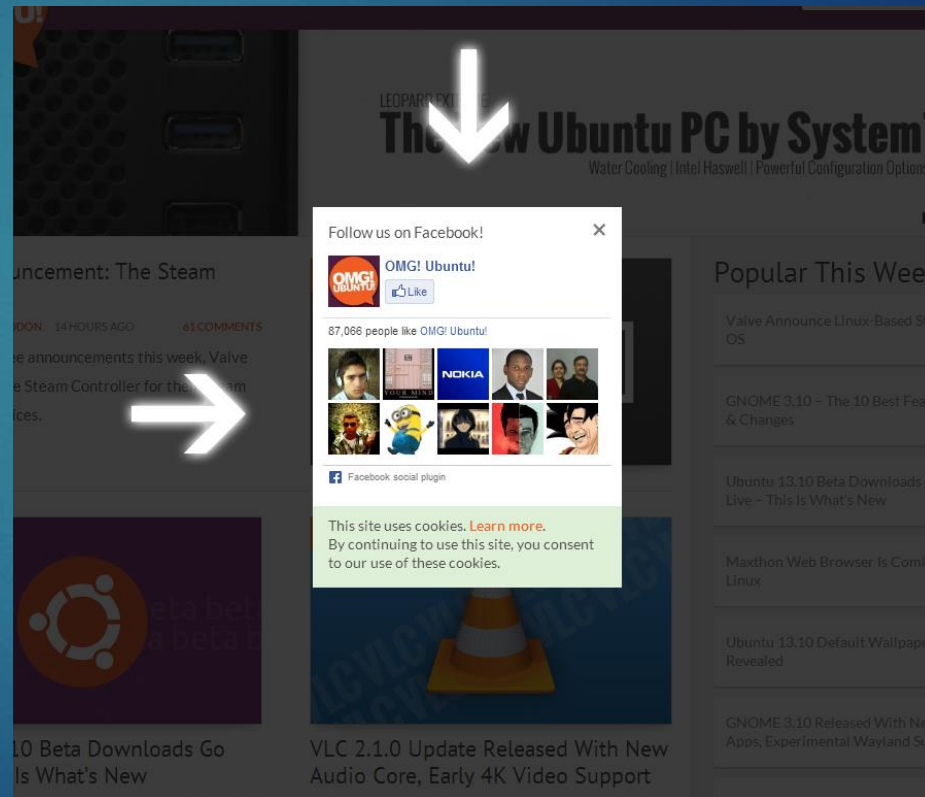
Images

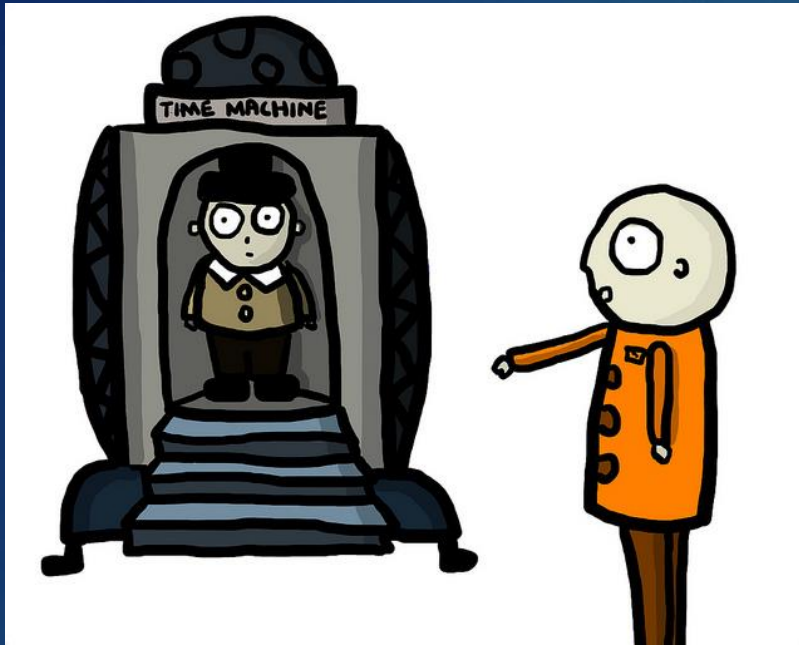
- ▶ Represented by the img element
- ▶ Attributes:
 - ▶ src
 - ▶ alt
 - ▶ width
 - ▶ height
 - ▶ style
 - ▶ Usemap

Example:

```

```





EXAMPLE

IMAGES

ASSESSMENT

PARAGRAPH AND IMAGES



Assignment

- ▶ Write an interface for our status report.
- ▶ Write the basic html structure with header text and title of “Zombie Status Report”.
- ▶ Under the title, link to an image that you find online or have on your computer.
- ▶ Under the image add a paragraph tag describing the report.

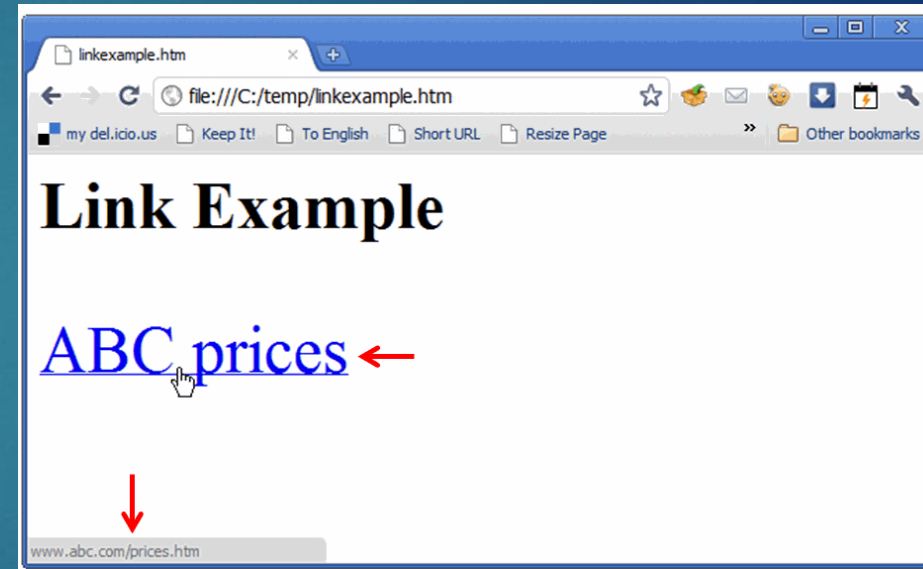


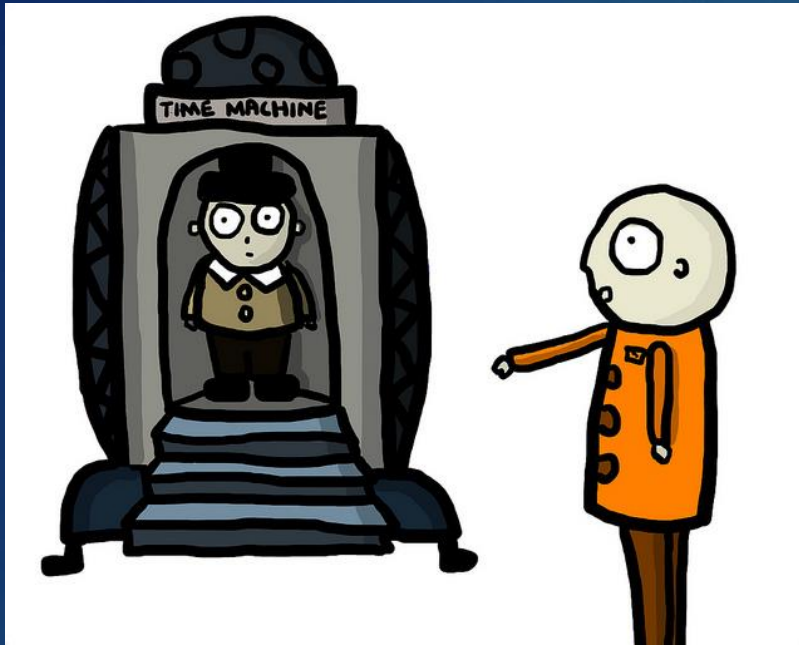
Links (Hyperlinks)

- ▶ Represented by the a Element
- ▶ Attributes:
 - ▶ Href
- ▶ Absolute Path
 - ▶ <http://www.google.com>
- ▶ Relative Paths
 - ▶ [About.html](#)
 - ▶ [../About.html](#)
 - ▶ [/Company/About.html](#)

Example:

```
<a  
href="http://www.google.com">Google  
Link</a>
```





EXAMPLE

LINKS

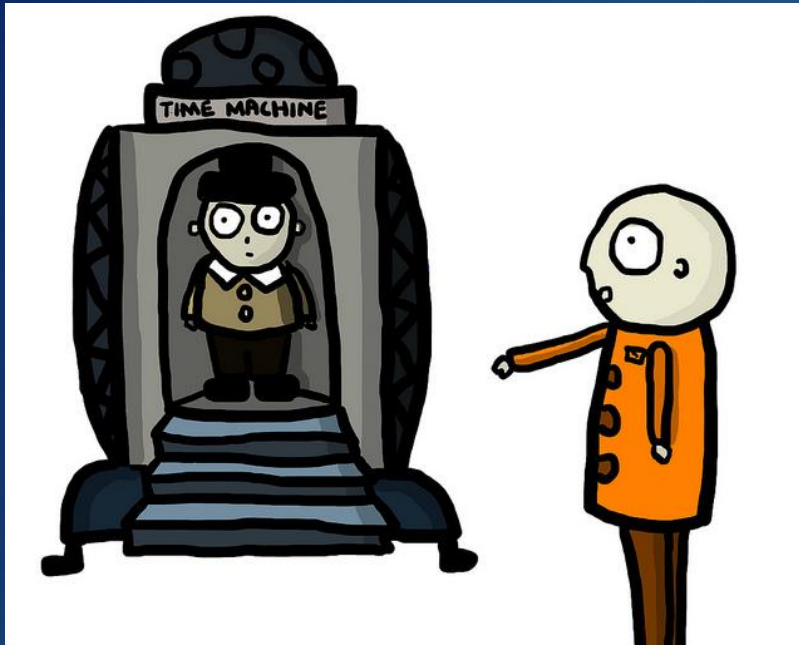
Semantic Elements

- ▶ article
- ▶ aside
- ▶ details
- ▶ figcaption
- ▶ figure
- ▶ footer
- ▶ header
- ▶ mark
- ▶ nav
- ▶ section
- ▶ summary
- ▶ Time
- ▶ main

Tables

```
<table>
<thead>
<tr>
  <th>First Name</th>
  <th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
  <td>John</td>
  <td>Smtih</td>
</tr>
<tr>
  <td>Tom</td>
  <td>Jones</td>
</tr>
</tbody>
</table>
```

| Product ID | Product Name | Product Quality | Product Quantity |
|------------|--------------|-----------------|------------------|
| 1 | Wheat | Good | 200 Bags |
| 2 | Rice | Good | 250 Bags |
| 3 | Sugar | Good | 200 Bags |



EXAMPLE

TABLES

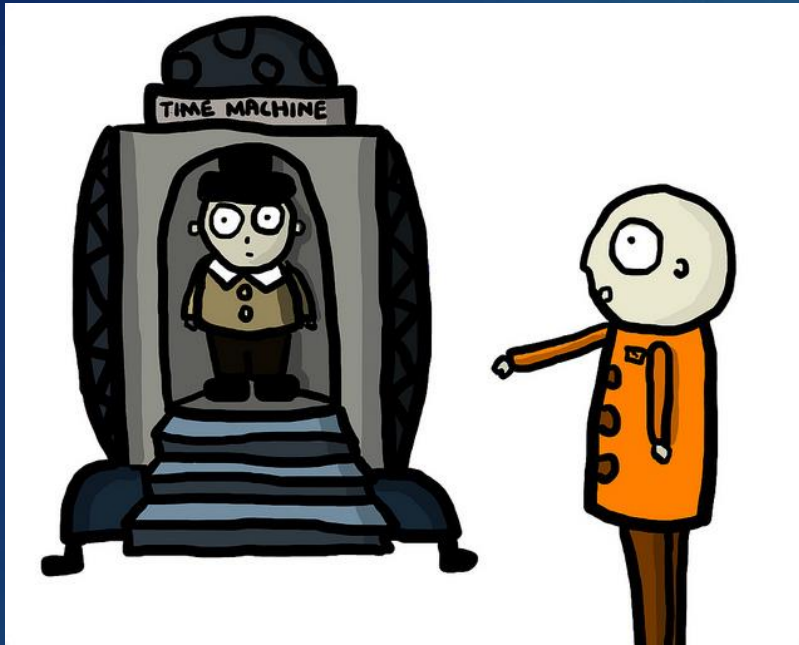
Form Elements

- ▶ form
 - ▶ Attributes: action, method, autocomplete, name, novalidate, target, accept-charset
 - ▶ Methods: get, post
- ▶ Input
 - ▶ Attributes: type, name, value
 - ▶ Types: text, radio, checkbox, submit, select
- ▶ fieldset
- ▶ legend

Forms

Example:

```
<form action="/formAction.html" method="post">  
  First Name:<br />  
  <input type="text" name="firstName" value="First" />  
  Last Name:<br />  
  <input type="text" name="lastName" value="Last" />  
  <input type="checkbox" name="signUp"  
value="SignedUp" />  
  Sign Up?<br />  
  <input type="submit" value="Submit" />  
</form>
```

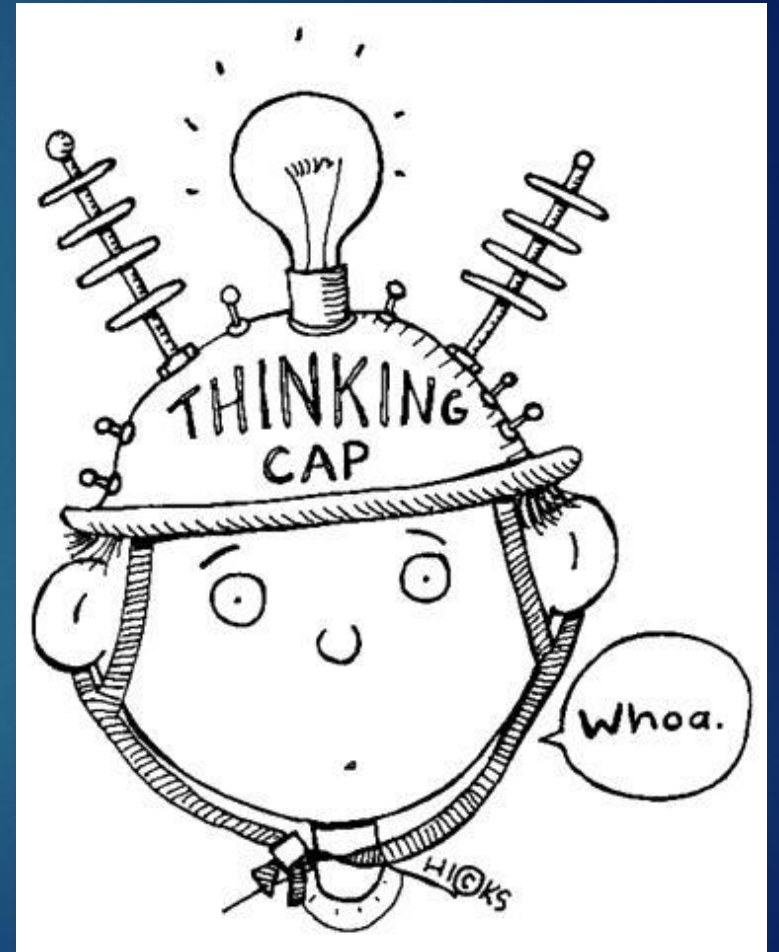


EXAMPLE

FORMS

ASSESSMENT

LINKS, TABLES, AND FORMS



Assignment

- ▶ Write an interface for our status report.
- ▶ Under the paragraph add a table with a header that has 4 columns: First Name, Last Name, Status Id, and Status. Fill in some rows with data.
- ▶ Create a new page with form fields First Name (text), Last Name (text), and Status (drop down).
- ▶ Under the table add a link to open the new page with text, “Add”.



Comments

► Syntax: `<!-- ... -->`

Example:

`<!-- Comments here, everything commented until
end comment`

`<p>`

Some text that won't show up

`</p>`

`-->`

QUICK REVIEW

HTML



Additional Resources

- ▶ MDN Tutorial

- ▶ <https://developer.mozilla.org/en-US/docs/Learn/HTML>

- ▶ JSFiddle

- ▶ <https://jsfiddle.net/>

- ▶ free Code Camp

- ▶ <https://www.freecodecamp.org/>