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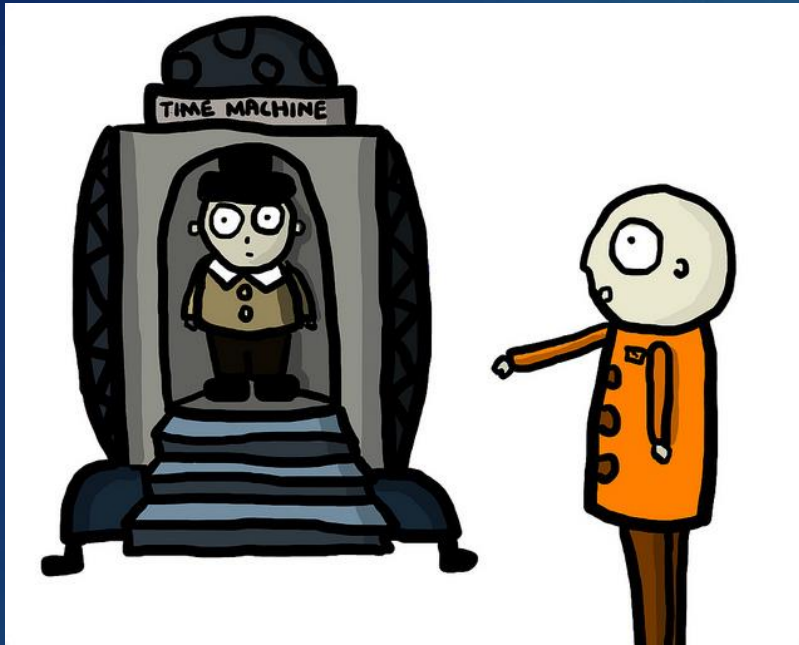<p title="My Header">
 Welcome to the page.
</p>

DocType

- First in the HMTL 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>
```
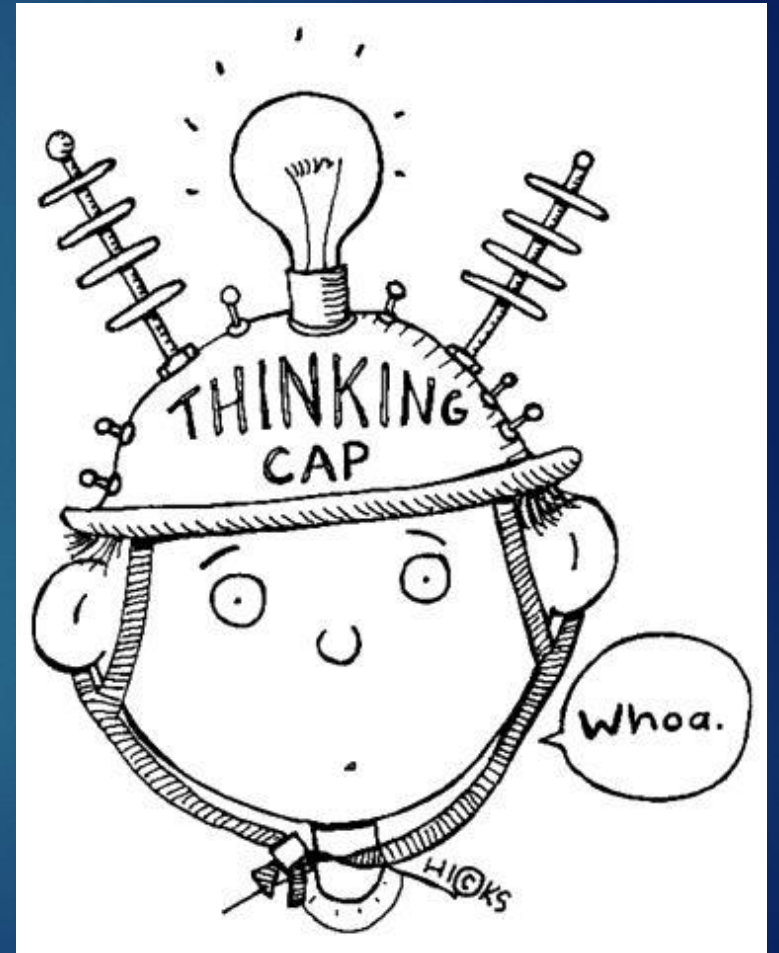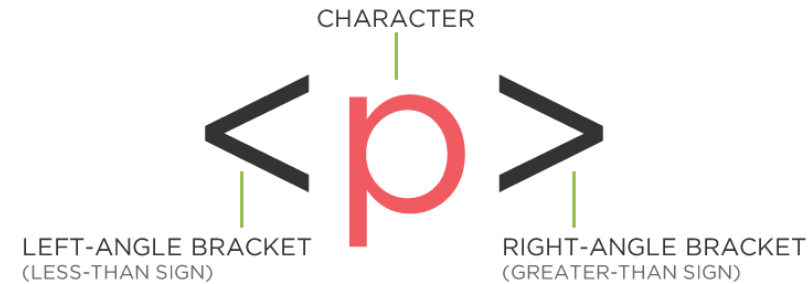
EXAMPLE

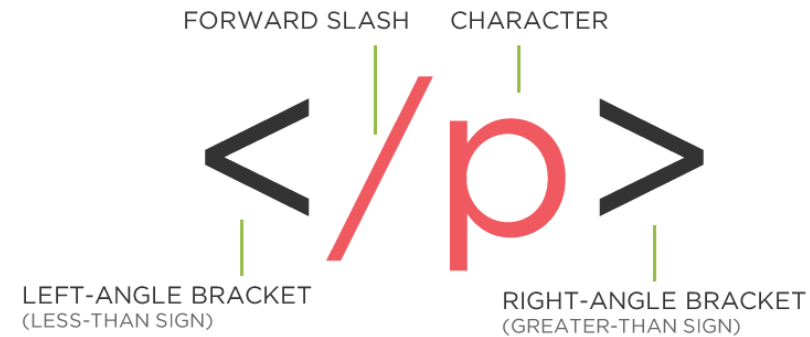## BASIC HTML STRUCTURE

ASSESSMENT

BASIC HTML STRUCTURE

Common Elements

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

OPENING TAG

CHARACTER

<p>

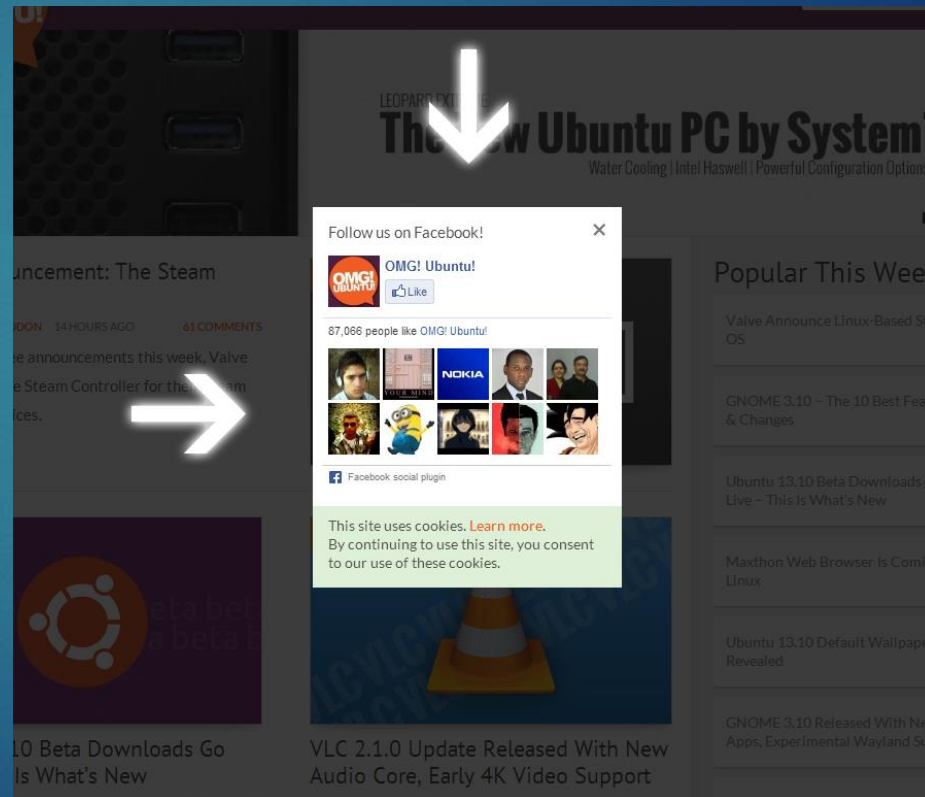LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATER-THAN SIGN)

CLOSING TAG

FORWARD SLASH   CHARACTER

</p>

LEFT-ANGLE BRACKET
(LESS-THAN SIGN)

RIGHT-ANGLE BRACKET
(GREATER-THAN SIGN)
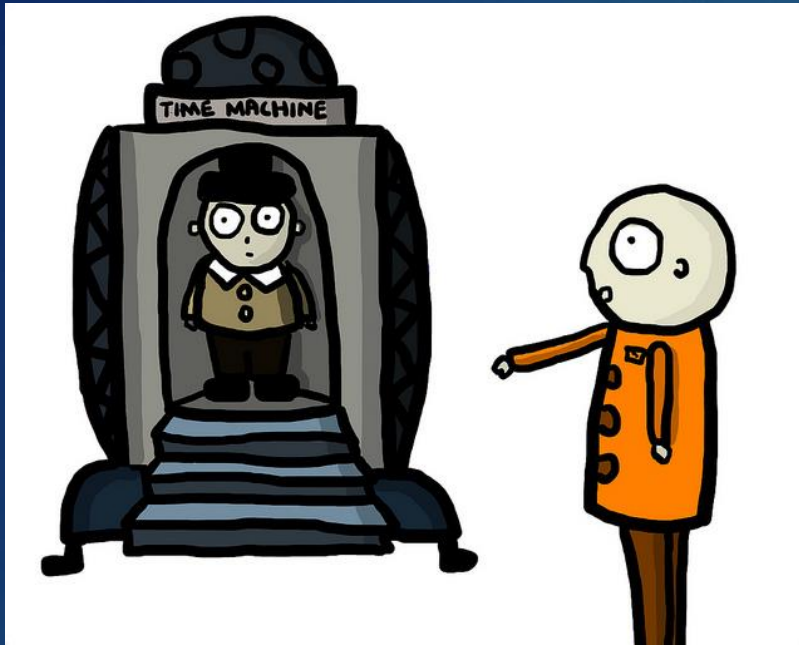
Images

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

Example:
<img src="logo.gif" alt="my logo"
style="width:100px; height:100px;" />

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.
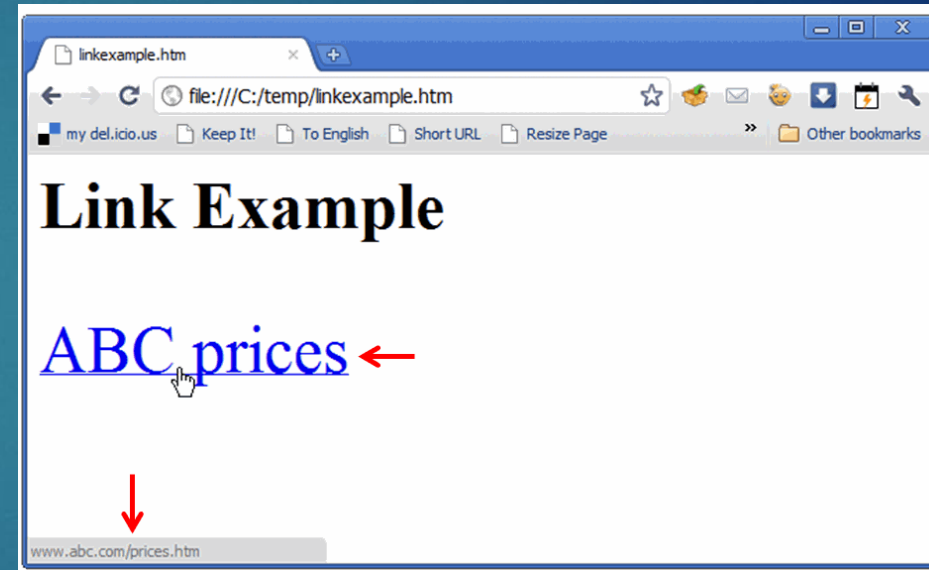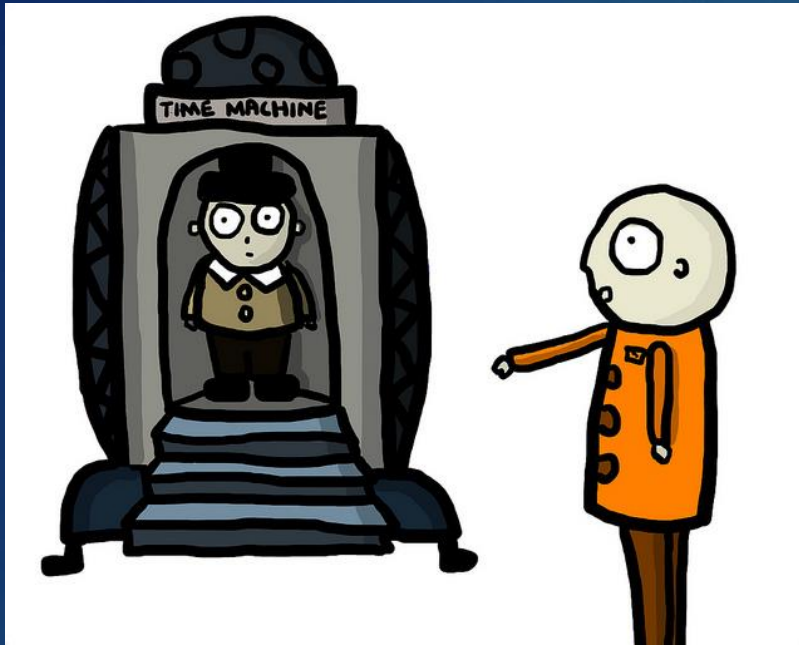- ► Under the image add a paragraph tag describing the report.

Links (Hyperlinks)

- Represented by the a Element
- Attributes:
  - Href
- Absolute Path
  - http://www.google.com
- Relative Paths
  - About.html
  - ../About.html
  - /Company/About.html
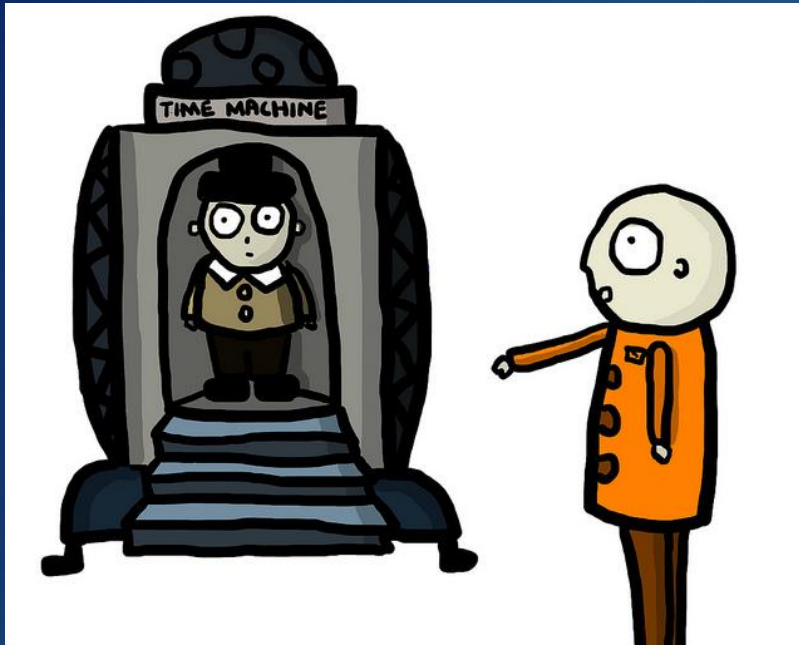
Example:
Google Link

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
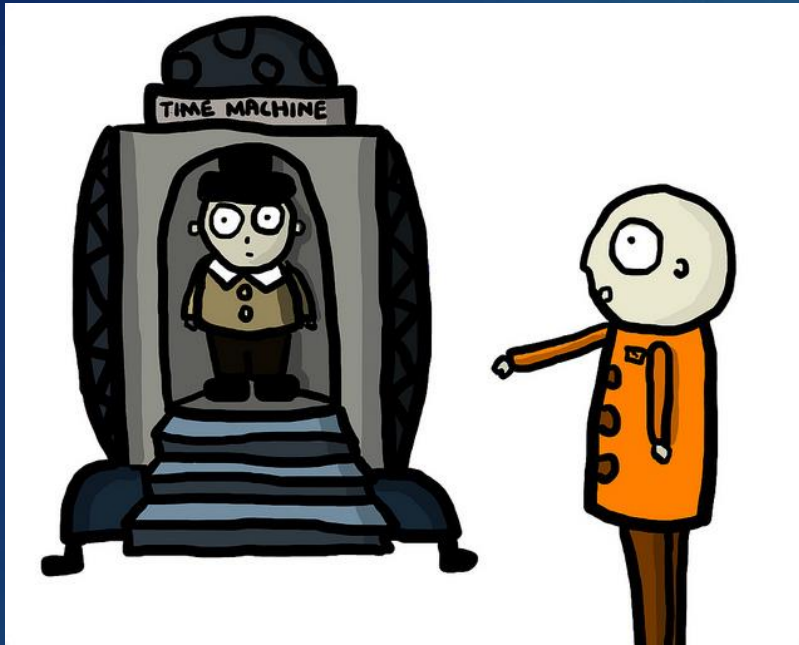
Form Elements

- 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>
```
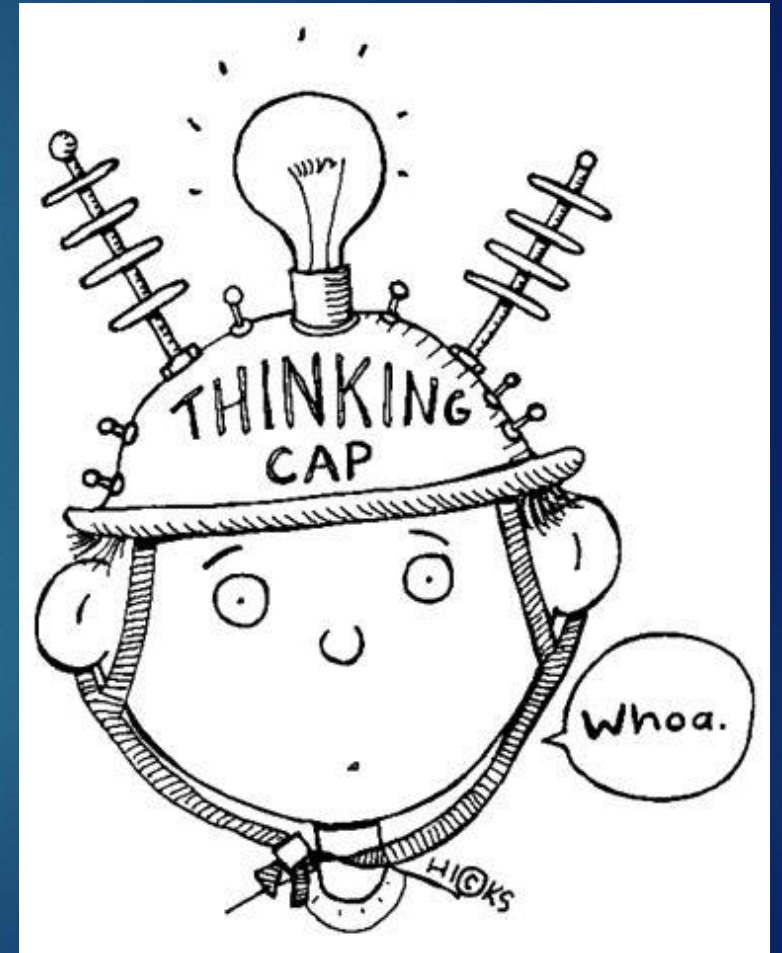
EXAMPLE

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

Not really a sign you'd want to see whilst driving through an eerily quiet neighbourhood...

Additional Resources

- MDN Tutorial
  - https://developer.mozilla.org/en-US/docs/Learn/HTML
- JSFiddle
  - https://jsfiddle.net/
- free Code Camp
  - https://www.freecodecamp.org/