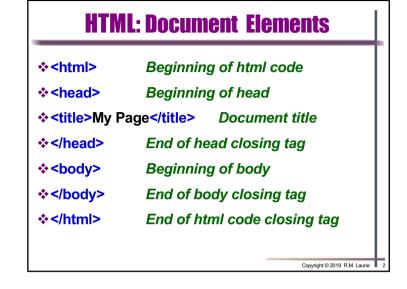
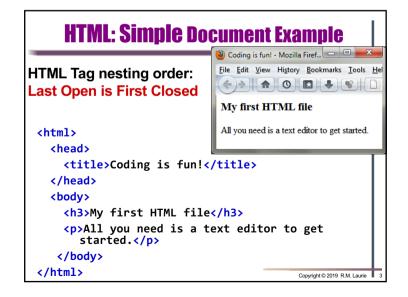
HTML −HyperText Markup Language HTML is a format description language Web publishing file format Processor Independence Browser Independence Provides layout information for: Text, Images, Animation, Sound Interaction with server forms and programs HTML Element Tags ASCII text based Denoted by enclosing in <> Not case sensitive – May use upper or lower case HTML is NOT a programming language





★Web 2.0 is HTML5, CSS3, and JavaScript ◆ HTML5 is document structure language ◆ CSS3 is document presentation language ◆ JavaScript does the rest ❖ HTML5 is now and future so we will learn it! ◆ HTML5 is the hopeful candidate to eliminate plugins ◆ HTML5 is not as strict as XHTML or XML ◆ Lets hope XHTML dies away quickly and quietly ◆ <!DOCTYPE html> ◆ <html lang="en"> ◆ <meta charset="utf-8"> ◆

 <ht>→ ro no need to close or mark empty elements ◆ <script> Fires up JavaScript and no attribute required

HTML5: Simple Document Example

Tag nesting order: Last Open is First Closed

DOCTYPE specification is required for validation at http://validator.w3.org/ Either copy and paste code or upload file

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HTML: Block Level Elements

- ❖ Paragraph = Normal text
 ◆ This is a paragraph
- ❖ Headings = Bold text
 - ♦ <h1>XX-Largest</h1> = XX-Large
 - ♦ <h2>X-Larger</h2> = X-Large
 - ♦ <h3>Large </h3> = Large
 - ◆ <h4>Medium</h4> = Medium
 - ◆ <h5>Small</h5> = Small
 - \bullet <h6>X-Small</h6> = x-Small
- ❖The Horizontal Rule <hr>>
 - ◆ Represents element placement not text markup
 - ◆ Therefore, <hr> is an empty element
 - ♦ In XHTML empty element written as <hr />
- Do not nest block level elements

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HTML: Comments

HTML Comments are considered hidden text

- ◆ Comments are ignored by the web browser rendering engine and display nothing in client area
- ◆ Permits writing notes to those that view xhtml code
- Can be used for debugging by disabling sections of code which may extend across multiple lines.

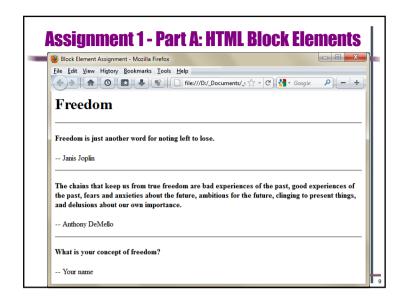
❖Syntax:

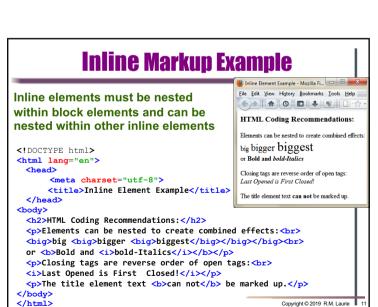
```
<!-- This is a Comment -->
```

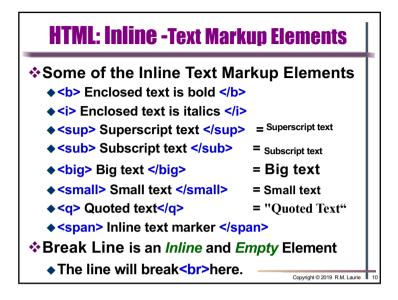
- ◆ Can extend across multiple lines
- ◆ Can not contain "-->" in comment
- ◆ Can not nest comments

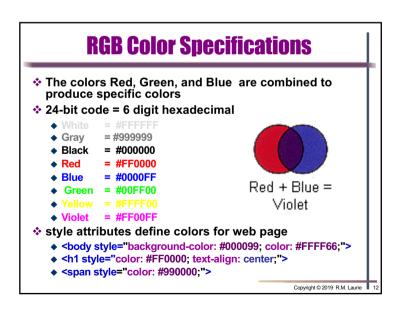
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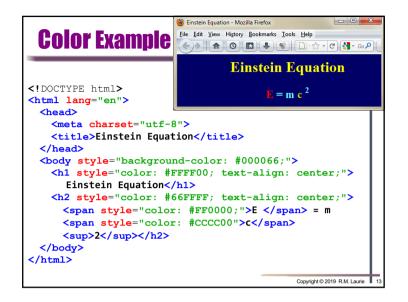
HTML: Block Elements Example File Edit View History Boo <!DOCTYPE html> (+) A O E <html lang="en"> <head> <!--Head section executes first--> This is a paragraph <meta charset="utf-8"> <title>Welcome to Block Level HTML</title> </head> XX-Large <body> <!-- displayed in browser--> This is a paragraph <hr> X-Large <h1>XX-Large</h1> <h2>X-Large</h2> Large <h3>Large</h3> <h4>Medium</h4> Medium <h5>Small</h5> <h6>X-Small</h6> Small </body> </html> X-Small

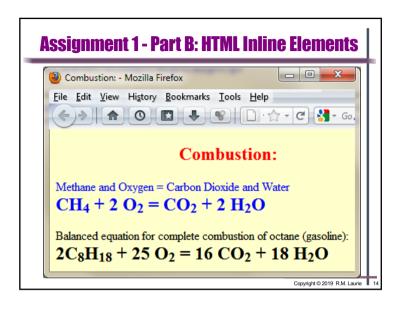


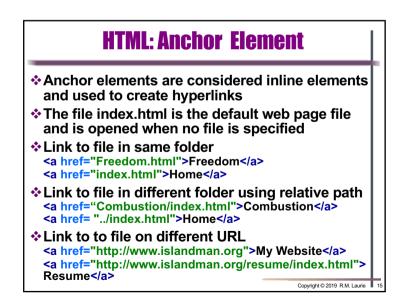


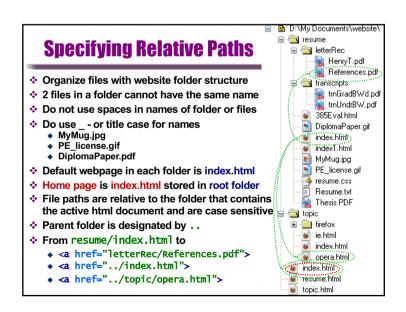


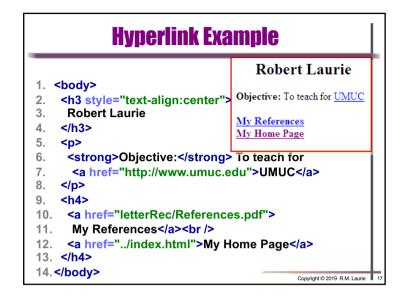


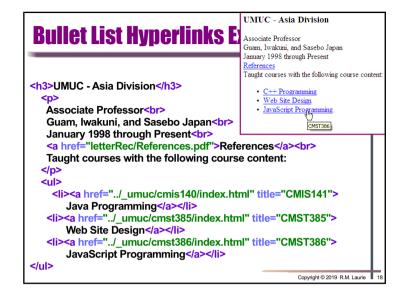












```
*The Image Element is an Inline Element

* <img src="filename.gif" alt="Bob's Mug">

• Source file in same folder as html file = "bob.gif"

• Source file in sub-folder photo = "photo/bob.gif"

• Source file in parent-folder = "../bob.gif"

• Source file at another URL

http://www.bob.com/photos/bob.gif

• alt="Bob's Mug" Alternate text label

* Optional Attibutes:

• width="200" height="150" Image dimensions
```

