



# Intro to HTML: writing Web site code

## Common HTML Tags

- `<html>` `</html>` hypertext markup language
  - surround the entire code with these tags
  - indicates the language being used
- `<head>` `</head>` header
  - includes the title
  - includes a reference to the CSS file (if it is not included in the HTML)
  - includes javascript
- `<title>` `</title>` title
  - displayed in the tab or across the top of the browser
  - NOT displayed within the text of the page
- `<body>` `</body>` body of the page
  - content of the Web page itself
  - includes all text and graphics to be displayed
- `<div>` `</div>` division (section) of the page
  - each division can be formatted separately in the CSS
  - use a new division when formatting should change
- `<h1>` `</h1>` heading
  - 1-6 are available (1 is most important, 6 is least important)
  - used for organizing site
  - used by search engines
- `<p>` `</p>` paragraph
- `<p class="TEXT">` `</p>`
  - "class" indicates which formatting style should be used as defined in the CSS
  - use anything for the `TEXT`, but the corresponding term must be in the CSS
  - do not start a class name with a number
  - class names should not include spaces
  - avoid using special characters in class names
- `` image
  - `img` image
    - holds a place in the page for the image
    - always link to an image uploaded onto your server
    - NEVER link to someone else's image
  - `alt` alternate text
    - briefly describe the image
    - displays if the image does not
    - screen readers read the alternate text
  - `src` source
    - URL
    - upload your image to the server and then link to it
    - NEVER link to someone else's image
      - violates copyright
      - ties up their bandwidth

## CSS in HTML

- `<style>` `</style>` style information

### Common CSS Properties

- background-color; color behind the element
  - choose from a list of acceptable colors
  - refer to colors by name or hex value
  - hex value refers to a 6-digit hexadecimal notation for the combination of red, green, and blue color values
  - each color within a hex value ranges from 00 to FF (in decimal notation, 0 to 255), thus providing 256 options for each of the 3 color components
- color; text color
  - choose from a list of acceptable colors
  - refer to colors by name or hex value (see above for more details)
- font-family; font
  - list specific fonts separated by commas
  - end the list with a generic family (suggested: serif or sans-serif)
  - browser displays the first font on the list that is available
- height; height of an element
  - defined in pixels (px)
  - if only height is defined, the aspect ratio is maintained
- width; width of an element
  - defined in pixels (px)
  - if only width is defined, the aspect ratio is maintained
- float; relative position of an element
  - choices: left or right
  - often used with images

### Learn More

- [webmaker.org/tools](http://webmaker.org/tools)
- [w3schools.com](http://w3schools.com)
- [developer.mozilla.org/en-US](http://developer.mozilla.org/en-US)