

Announcements

- **Project #1 has been posted**
 - **Put all of your files (HTML pages and pictures) in the same folder**
 - **Be sure you know how to zip the folder and submit the zip file.**

Cascading Style Sheets

Recall:

- **Html specifies the structure and content of page**
- **CSS will be used for “style”**
 - **Colors**
 - **Borders**
 - **Fonts**
 - **Sizes**
 - **Spacing**
 - **Page layout**
- **Nice illustration: <http://www.csszengarden.com/>**

CSS Rules

Style is defined with Rules:

```
h1 {color: green; font-size: 100pt;}
```

Diagram illustrating the structure of a CSS rule:

- Selector**: `h1`
- Declaration**: `color: green;` (Property: `color`, Value: `green`)
- Declaration**: `font-size: 100pt;` (Property: `font-size`, Value: `100pt`)

“All h1 elements will be green and size 100pt”

CSS Rules

More Examples:

```
p {text-align: center; background-color: red;}
```

```
h3 {  
    text-decoration: underline;  
    color: gray;  
    text-transform: uppercase;  
    word-spacing: 20px;  
}
```

Three places for “Rules”

1. Separate CSS file for the whole site. (This is where most rules should go.)
2. In the “head” section of an HTML page
3. Apply directly (“inline”) to a particular element

Let’s look at an example...

Style Rules in a Separate File

1. Suppose we create a file called “rules.css” that contains lots of CSS rules.
2. We can now put a link element in the head of each HTML page on our site:

```
<link rel="stylesheet" type="text/css" href="rules.css" />
```

Example: SeparateCSSFileExample

Style Rules in the Head Section

Put style element in head of web pages:

```
<style>
  p {color: purple}
  table {border: 2px solid}
</style>
```

These can override rules that were applied to the whole website in a separate file

Let's modify our example to test it out...

Inline Style Rules

Apply style attribute to individual opening tags.
(We have done this for table borders.)

- Use the **style** attribute
- No need for “selector”
- These can “override” style rules from the head section or those from a separate CSS file

Let's modify our example to test these out...

Why is separate CSS file best?

1. Less typing if several pages use the same styles.
2. You can change the appearance of several pages by editing ONE document.
3. Once visitor's browser has downloaded .css file, it will not have to repeatedly download this information while on the site.
4. The same HTML file can be viewed differently by linking to different CSS files.
5. One style sheet can link to another, allowing easy re-use of existing styles.

Useful Links

1. **Where can I find a list of properties I can set and what values are allowed for each one?**

<http://www.htmldog.com/reference/cssproperties/>

2. **Is there a way to check if my CSS is “correct”?**

<http://jigsaw.w3.org/css-validator/>

Both of these links are on the class webpage (in the Resources section).

Quiz #1

Please clear your desks!