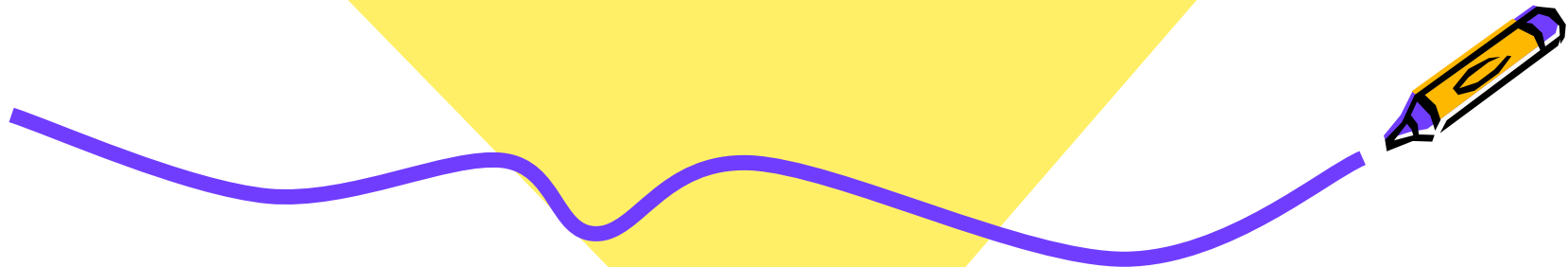




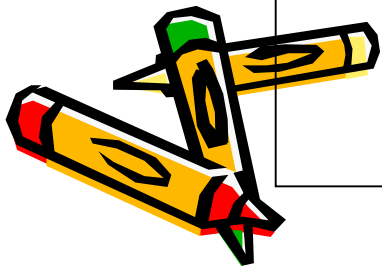
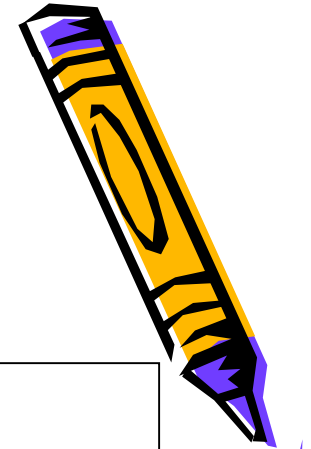
Chapter 3 Cascading style sheets (CSS)

Xin Miao



Basic HTML Structure

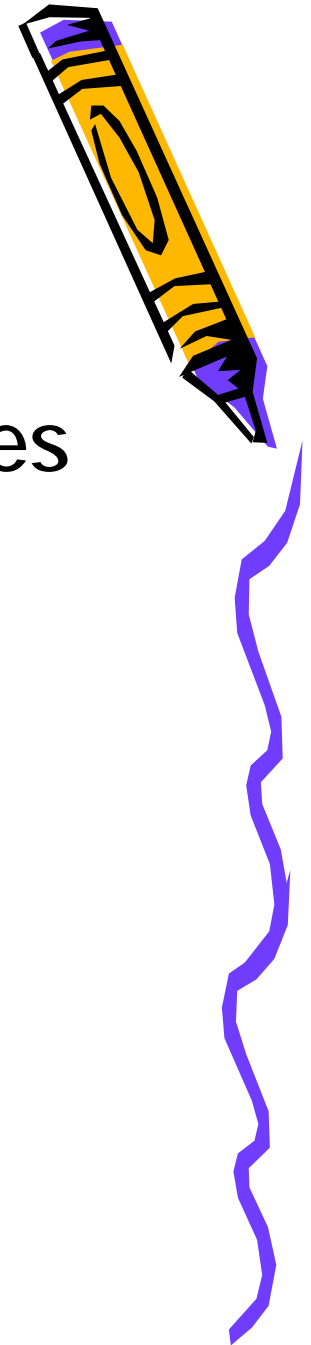
```
<html>  
<head>  
  <title> ... </title>  
  
</head>  
<body>  
  <h1> This is Header 1 </h1>  
</body>  
</html>
```



Default style

- `<h1>` 24-point (1/72 inch) bold Times Roman
- `` italicized
- `` bold
- ...

Can I change it?



Internal CSS

```
<html>
```

```
<head>
```

```
<title> ... </title>
```

```
<style type="text/css">
```

```
  h1 {text-align:center}
```

```
</style>
```

```
</head>
```

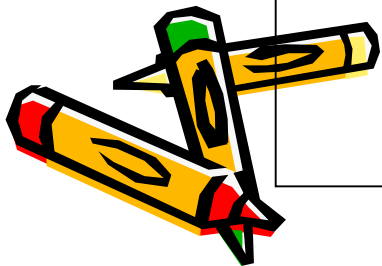
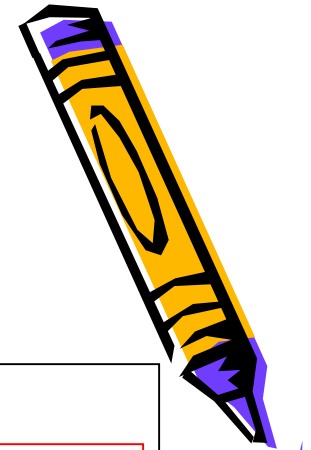
```
<body>
```

```
<h1> This is Header 1 </h1>
```

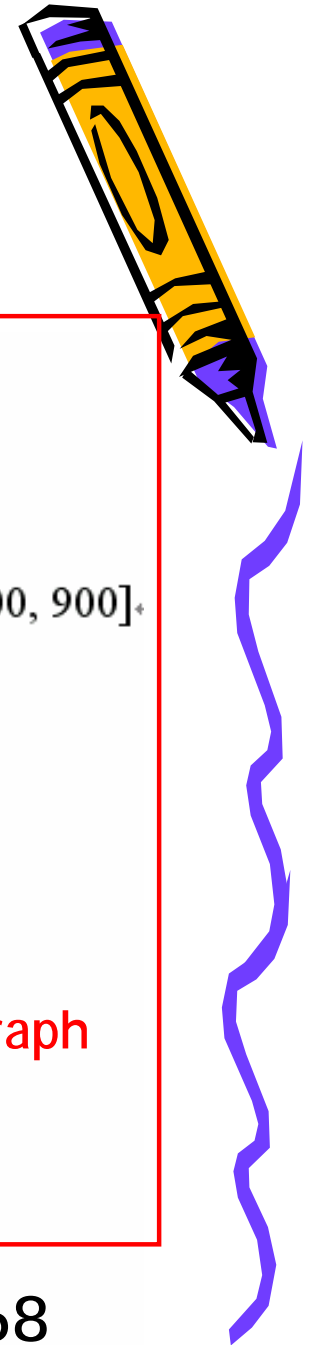
```
</body>
```

```
</html>
```

Target {style:options}

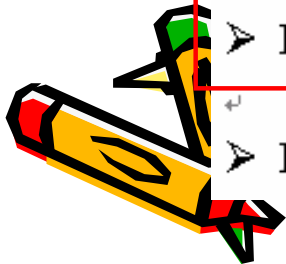


Style Properties Summary



- Color: [red/ black/ ...]↵
- Text-align: [left/ right/ center/ justify]↵
- Font-size: [24pt]↵
- Font-style: [italic/ normal/ oblique...]↵
- Font-weight: [normal/ bold/ bolder/ lighter/ 100, 200, 300, 400...700, 800, 900]↵
- Text-decoration: [underline, overline, line-through, none, blink]↵
- Text-transform: [capitalize/ uppercase/ lowercase/ none]↵
- Font-variant: [small-caps/ none]↵
- Background-color: [transparent/ red/ ...]↵
- τ
- Text-indent: [25pt/ 12% ...]↵
- Line-height: [12pt/ 24pt/ 150%/ 1.5 ...]↵
- Word-spacing: [3pt/ ...]↵
- Letter-spacing: [1pt/ ...]↵
- Font-family: ["Lucida"/ "Arial"...]↵

Header and paragraph styles



τ

➤ Font: p {font: italic 500 small-caps 14pt/24pt "Lucida", "Arial"} p.68

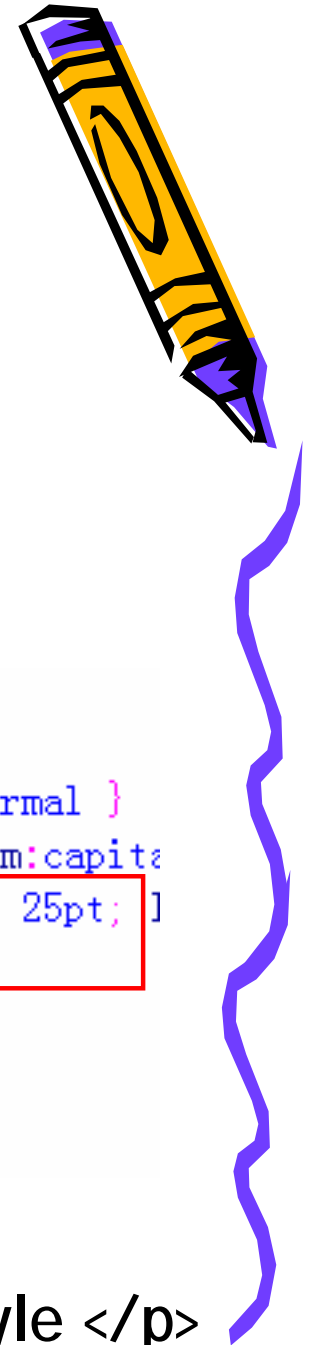
Classes of styles (sub-style)

- Parent style
- Sub-style

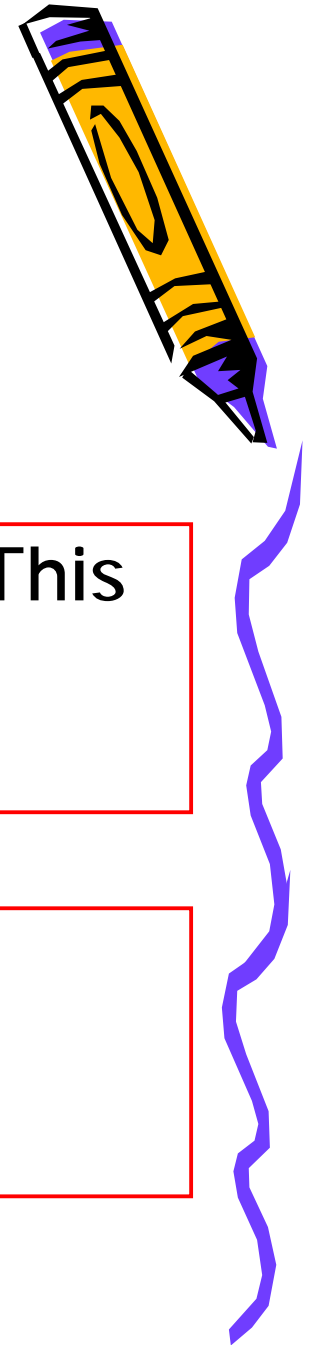
```
<style type="text/css">
  h1 {text-align:center}
  h2 {color:red; text-align:center; font-size:20pt;font-weight:normal }
  h3 {font-style:italic; text-decoration:underline; text-transform:capita
  p { font-family:"Lucida", "Arial"; font-size:14pt; text-indent: 25pt; }
  p.red{font-variant:smallcaps; font-weight:bold 14pt; color:red}
  span {font-family: "Times New Roman"; font-size:18pt}
</style>
```



`<p class="red">` This is an example of substyle `</p>`



Local Styles and Custom Tags



- Local styles: p72

```
<p style="text-transform:uppercase"> This  
  is ...  
</p>
```

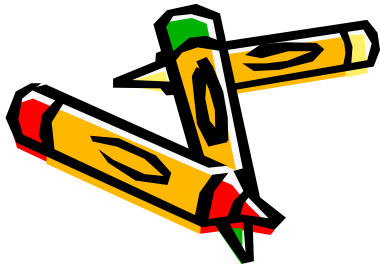
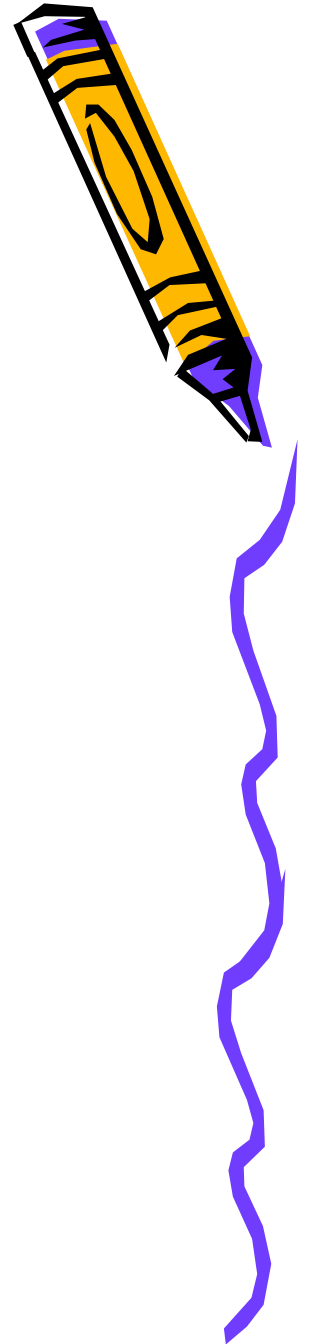
- Custom tags: <div>, P73

```
<style type="text/css">  
  span {font-size:18pt}  
</style>
```



Cascading Style Sheet

- Local CSS (p.72)
- Internal CSS
- External CSS



External Style Sheets

- P75 See Demo
- Go to my homepage:

<http://nature.berkeley.edu/~miaoxin>

