

Computer Science Principles

Web Programming

Web-Presentation Design with CSS

CHAPTER 12: HYPERTEXT STYLE

DR. ERIC CHOU

IEEE SENIOR MEMBER



CSS3

Chapter 11: CSS Hierarchy and Selectors

Chapter 12: Text, Image and Foreground (Contents)

Chapter 13: Color and Background (Contents)

Chapter 14: Box Model (Padding, Border, and Margin)

Chapter 15: Layout Management (Floating and Positioning: where should the Element go)

Chapter 16: Layout Management (Page Level Planning)

Chapter 17: Layout Management (Transition, Transforms, and Animation: space and time domain transformation)

Chapter 18: CSS Techniques (Put Everything Together)



Text Font

LECTURE 1



Formatting Text

(Attributes of Text)

Font: family, size, weight, style, variant

Color

Line Adjustment: height, indents, align

Text-decoration

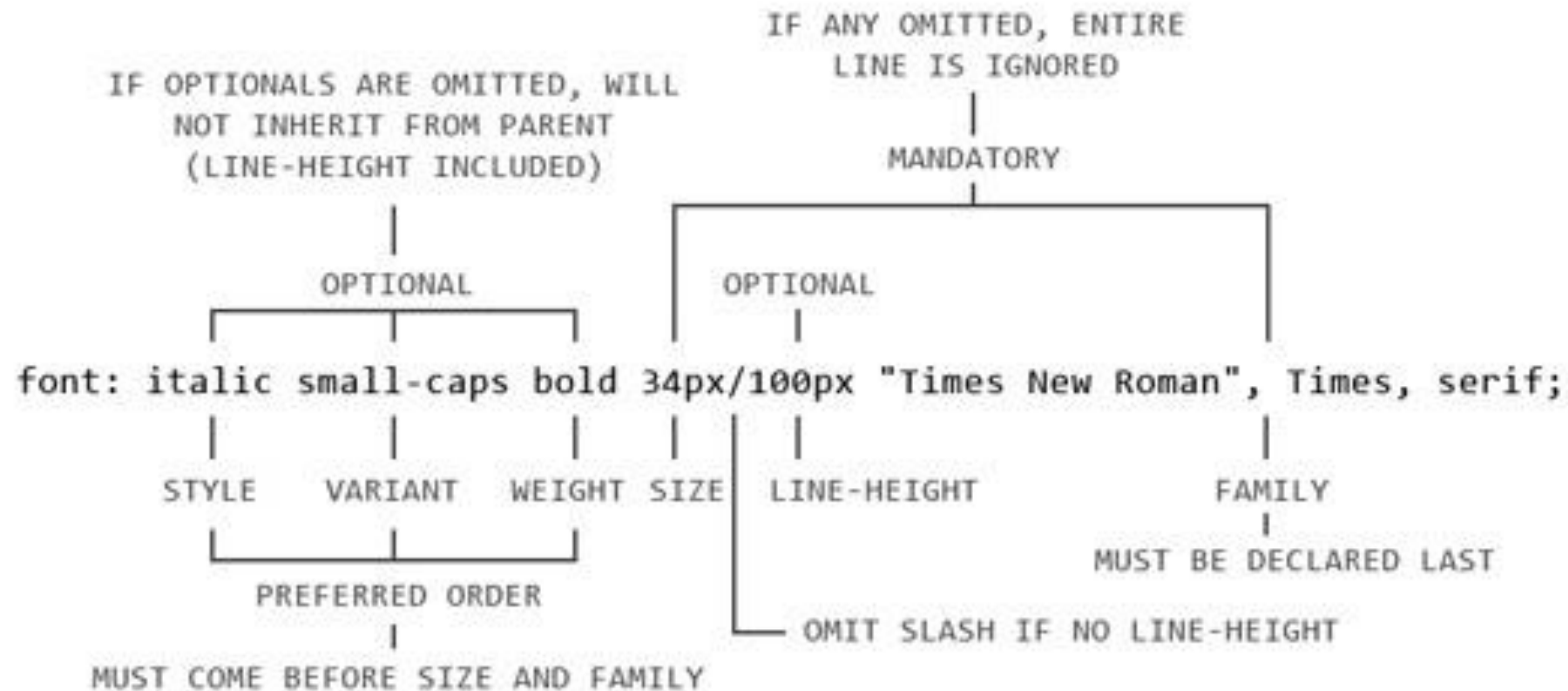
Capitalization

Spacing: line-spacing, word-spacing

Shadow

Bullets and Buttons: list-style-type, list-style-position, list-style-image

Font Properties



Font-family:

font | initial | inherit;

<i>Excitably</i>	cursive: Apple Chancery
Excitably	fantasy: Papyrus
Excitably	monospace: Monaco
Excitably	sans-serif: Helvetica
Excitably	serif: Times New Roman



Generic Font Family

Verdana: .58
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Comic Sans MS: .54
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Trebuchet MS: .53
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Georgia: .5
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Myriad Web: .48
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Minion Web: .47
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Times New Roman: .46
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Gill Sans: .46
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Bernhard Modern: .4
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Caflish Script Web: .37
xylophone synergy diaphragm partially hydrogenated
vegetable shortening or lengthening or resting

Flemish Script: .28
xylophone synergy diaphragm partially hydrogenated
vegetable shortening or lengthening or resting

Verdana: 1
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Comic Sans MS: 1.07
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Trebuchet MS: 1.09
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Georgia: 1.16
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Myriad Web: 1.2
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Minion Web: 1.23
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Times New Roman: 1.26
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Gill Sans: 1.26
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Bernhard Modern: 1.45
 xylophone synergy diaphragm partially hydrogenated
 vegetable shortening or lengthening or resting

Caflish Script Web: 1.57
xylophone synergy diaphragm partially hydrogenated
vegetable shortening or lengthening or resting

Flemish Script: 2.07
xylophone synergy diaphragm partially hydrogenated
vegetable shortening or lengthening or resting

serif

Latin fonts	Times New Roman, Bodoni, Garamond, Minion Web, ITC Stone Serif, MS Georgia, Bitstream Cyberbit
Greek fonts	Bitstream Cyberbit
Cyrillic fonts	Adobe Minion Cyrillic, Excelcior Cyrillic Upright, Monotype Albion 70, Bitstream Cyberbit, ER Bukinst
Hebrew fonts	New Peninim, Raanana, Bitstream Cyberbit
Japanese fonts	Ryumin Light-KL, Kyokasho ICA, Futo Min A101
Arabic fonts	Bitstream Cyberbit
Cherokee fonts	Lo Cicero Cherokee

sans-serif

Latin fonts	MS Trebuchet, ITC Avant Garde Gothic, MS Arial, MS Verdana, Univers, Futura, ITC Stone Sans, Gill Sans, Akzidenz Grotesk, Helvetica
Greek fonts	Attika, Typiko New Era, MS Tahoma, Monotype Gill Sans 571, Helvetica Greek
Cyrillic fonts	Helvetica Cyrillic, ER Univers, Lucida Sans Unicode, Bastion
Hebrew fonts	Arial Hebrew, MS Tahoma
Japanese fonts	Shin Go, Heisei Kaku Gothic W5
Arabic fonts	MS Tahoma

cursive

Latin fonts	Caflisch Script, Adobe Poetica, Sanvito, Ex Ponto, Snell Roundhand, Zapf-Chancery
Cyrillic fonts	ER Architekt
Hebrew fonts	Corsiva
Arabic fonts	DecoType Naskh, Monotype Urdu 507



fantasy

Latin fonts

Alpha Geometrique, Critter, Cottonwood, FB Reactor, Studz



monospace

Latin fonts	Courier, MS Courier New, Prestige, Everson Mono
Greek Fonts	MS Courier New, Everson Mono
Cyrillic fonts	ER Kurier, Everson Mono
Japanese fonts	Osaka Monospaced
Cherokee fonts	Everson Mono



font-family:

special font, font-family, generic-family

```
<head>
```

```
<meta charset="utf-8">
```

```
<title>Black Goose Bistro Summer Menu</title>
```

```
<link href="http://fonts.googleapis.com/css?family=Marko+One" rel="stylesheet">
```

```
<style>
```

```
body { font-family:Verdana, sans-serif;}
```

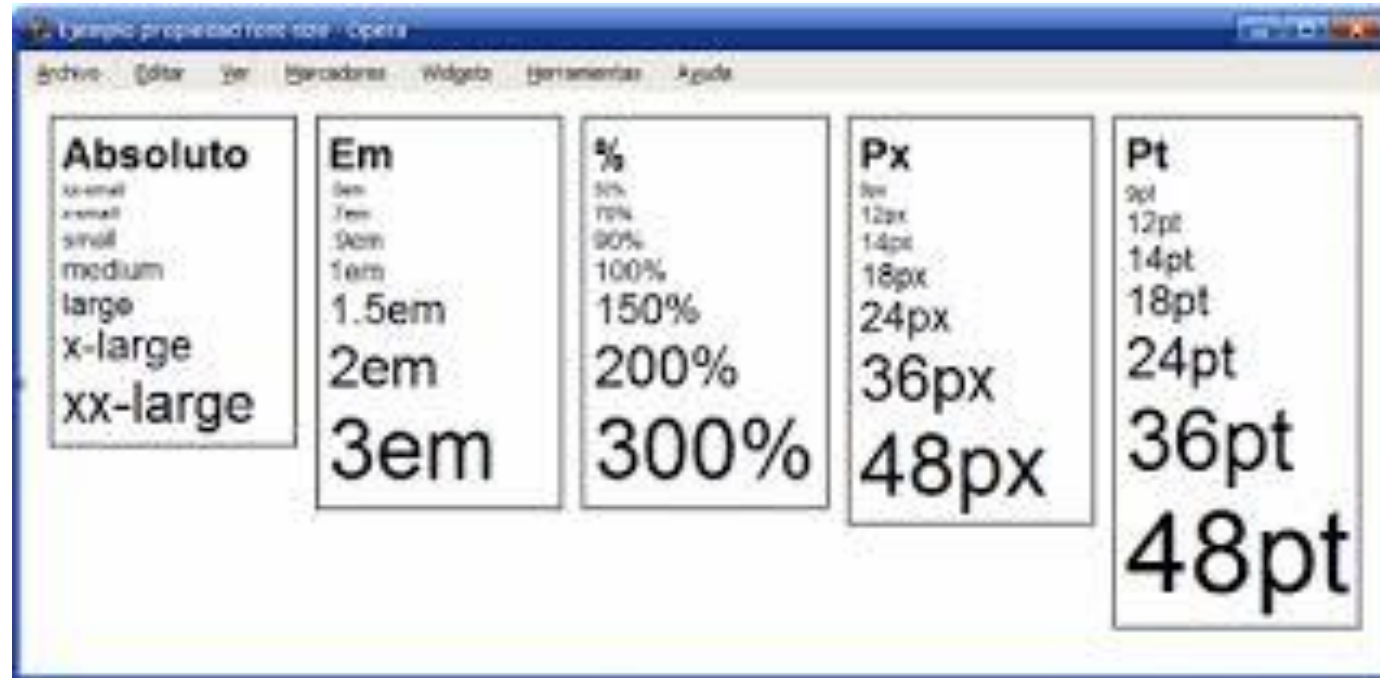
```
h1 {font-family: "Marko One", Georgia, serif;}}
```

```
</style>
```

```
</head>
```

Font-size:

absolute/em/%/px/pt



font-weight:

[normal/bold/bolder/lighter/100/200/300/400/500/600/700/800/900/inherit](#)

100	Thin
200	Light
300	Book
400	Regular
500	Medium
600	DemiBold
700	Bold
800	ExtraBold
900	Heavy

A	A	A	A	A	A	A	A	A
100	200	300	400	500	600	700	800	900

The font weight is lighter.

The font weight is normal.

The font weight is bold.

The font weight is bolder.

Font-style:
normal/italic/oblique/inherit

Normal

The five boxing wizards jump quickly.

Italic

The five boxing wizards jump quickly.

Oblique

The five boxing wizards jump quickly.

font-variant:

normal/small-caps/inherit

Sans Book SC

ABCABC

Sans Bold SC

ABCABC

Serif Book SC

ABCABC

Serif Bold SC

ABCABC



Text Style

LECTURE 2



Text Color

Set by Color Name:

```
h1 { color:gray; }
```

Set by RGB Code:

```
h1 { color:rgb(102, 102, 102) }
```

Set by RGB code in Hexadecimal Format:

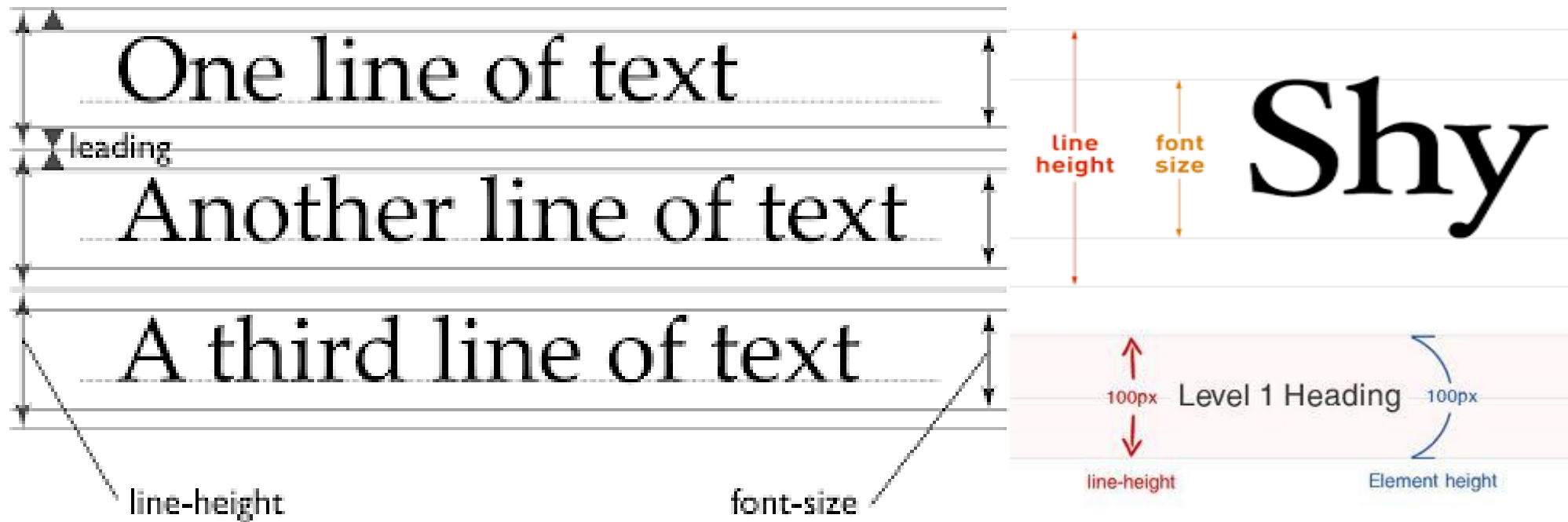
```
h1 { color:#666666; }
```

Set by Condensed RGB code:

```
h1 { color:#FC0; } == h1 { color:#FFCC00; }
```

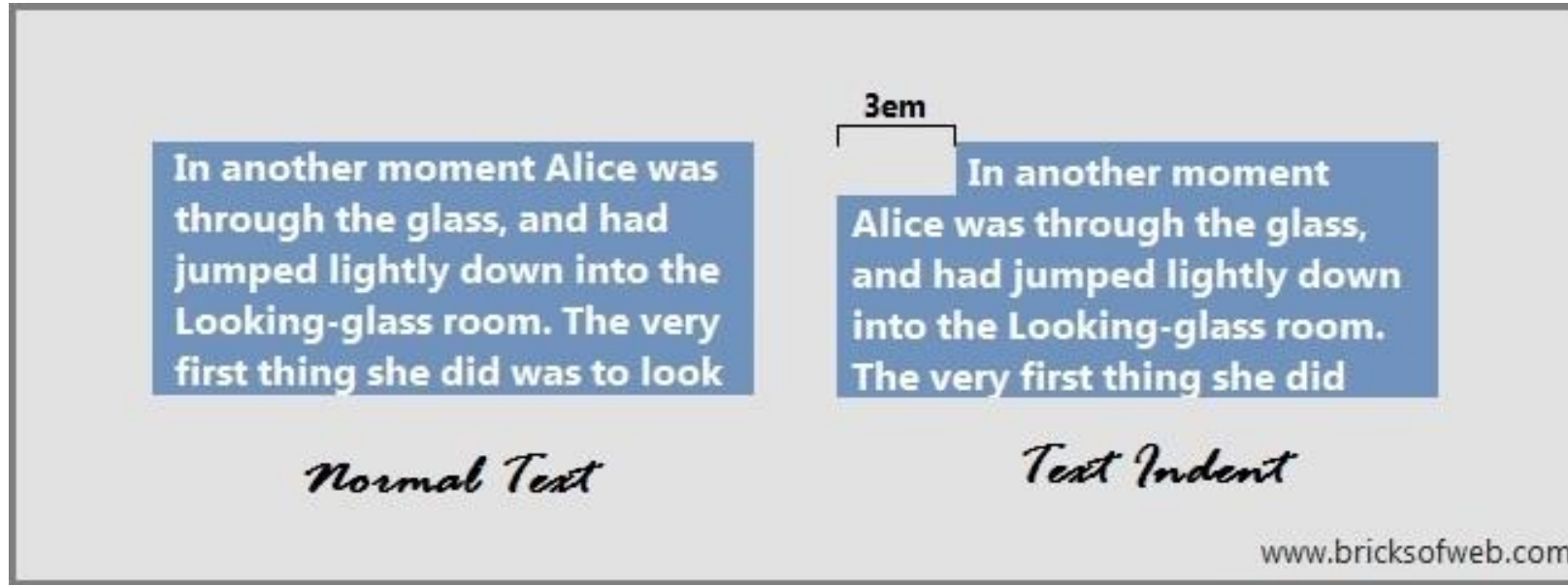
Color name will be covered in the next chapter.

Text Line Adjustment




Text-indent:


length_measurement/percentage/inherit



p#1 {text-indent: 2em;}
p#2 {text-indent: 25%;}
p#3 {text-indent: -35px;}

 paragraph 1 is indented for 2em

 25% paragraph is indented for 25%

Paragraph 3 is indented right  -35px here for -35px

Horizontal Alignment

`text-align: right/left/center/justify/inherit`

left

Lorem ipsum, dolor sit
amet, consectetur
adipiscing elit.

center

Lorem ipsum, dolor sit
amet, consectetur
adipiscing elit.

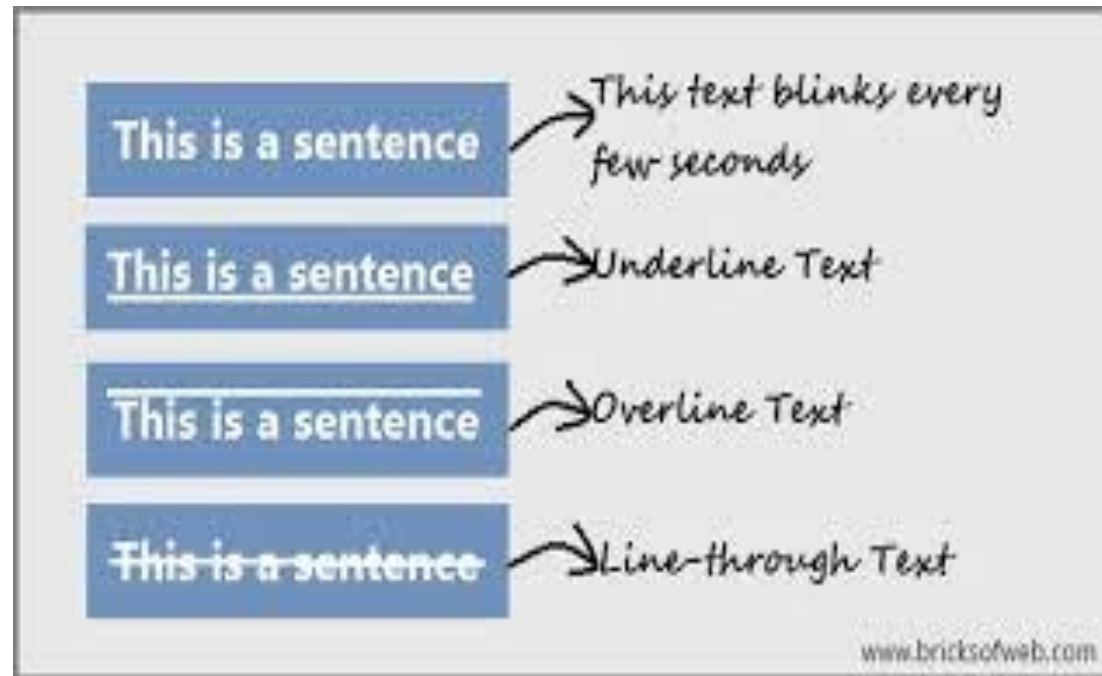
justify

Lorem ipsum, dolor sit
amet, consectetur
adipiscing elit.

right

Lorem ipsum, dolor sit
amet, consectetur
adipiscing elit.

Underlines and Decorations



The text of this paragraph, which has a class of 'emph', is underlined.

The text of this paragraph, which has a class of 'topper', is overlined.

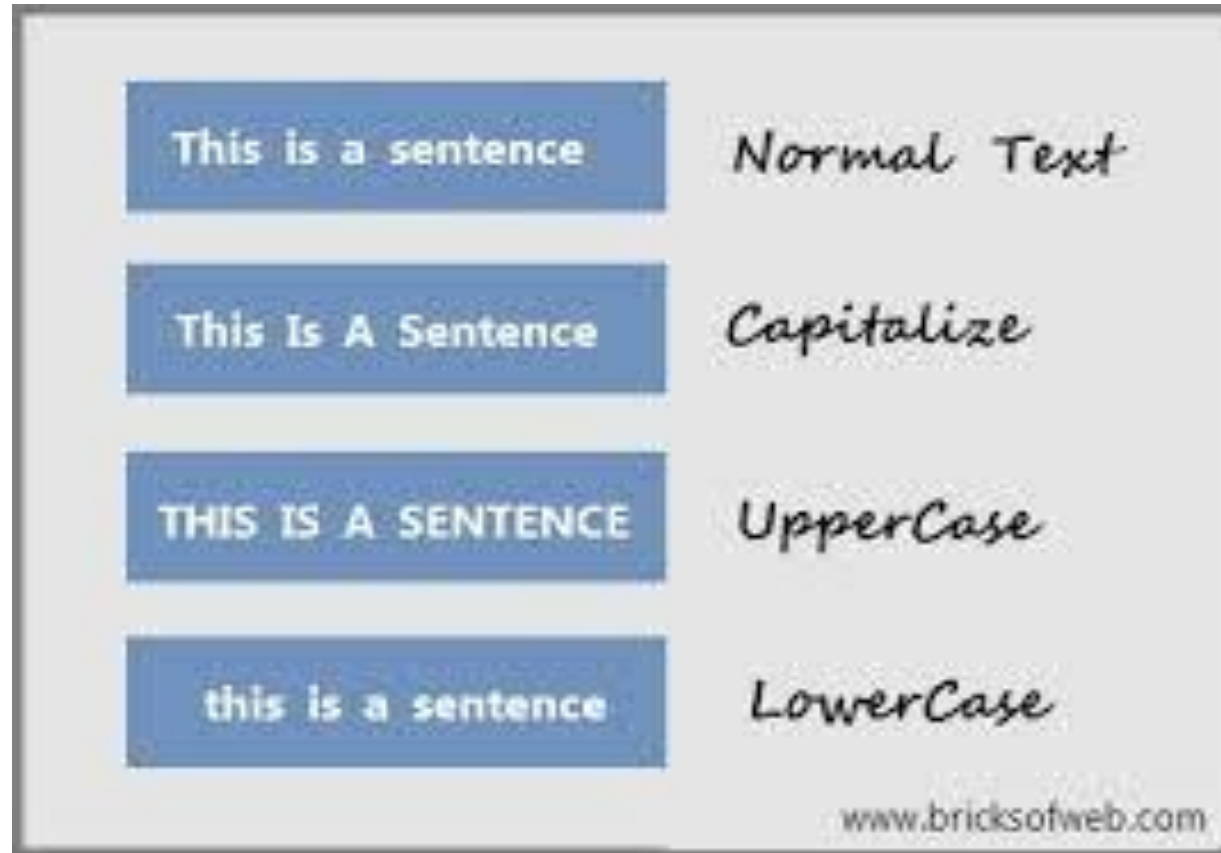
~~The text of this paragraph, which has a class of 'old', is stricken (line-through).~~

The text of this paragraph, which has a class of 'annoy', is blinking (trust us).

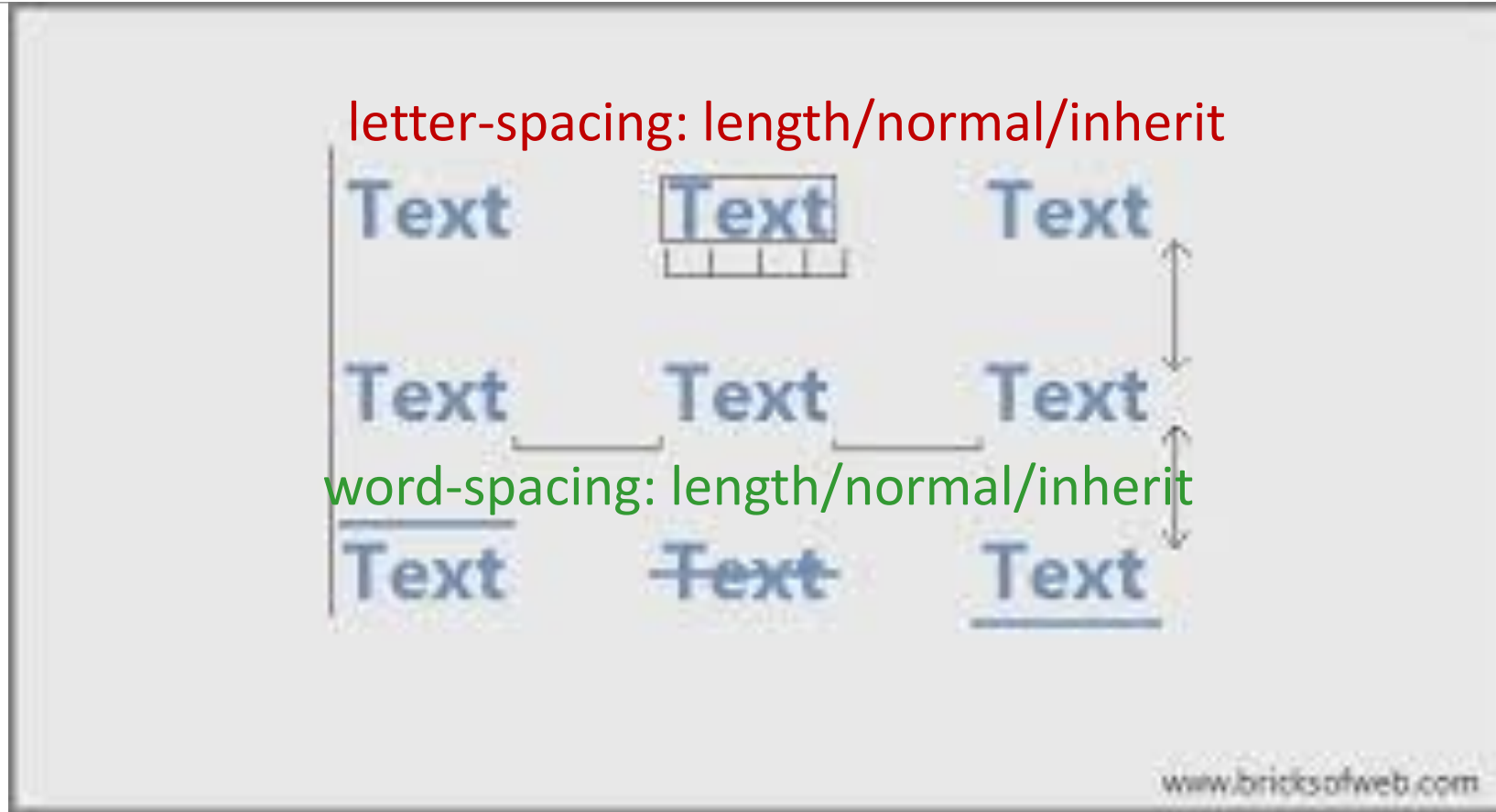
The text of this paragraph, which has a class of 'plain', has no decoration of any kind.

Changing Capitalization

`text-transform:none/capitalize/lowercase/uppercase/inherit`

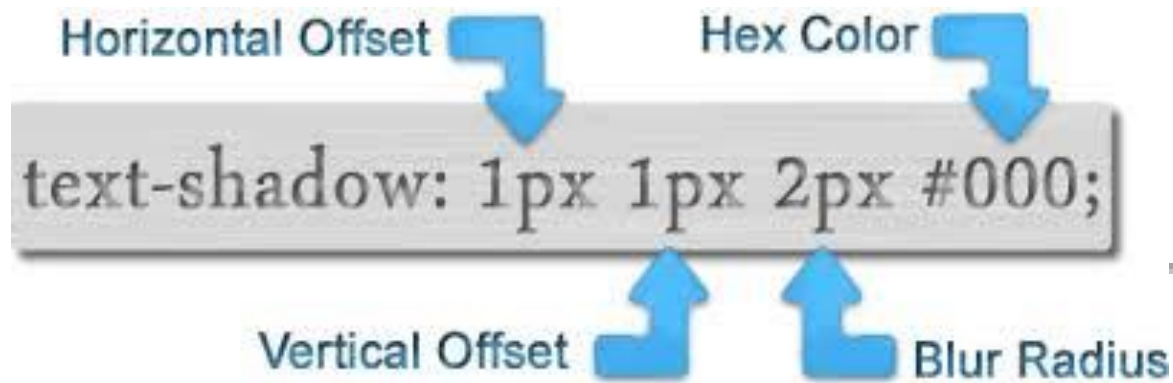


Text Spacing



Text Shadow

text-shadow: 'horizontal offset' 'vertical offset' 'blur radius' 'color'



IE6/Win

In shadow

IE5.5/Win

In shadow

Mozilla

In shadow

Opera 7.54

In shadow

Safari

In shadow

IE/Mac

In shadow

Special Effects
(Check
Textbook)

Multiple Shadows

Outer Glow

Raised Look

Embossed Look

Other Text Properties

(For Your own Exploration)

vertical-align: baseline/sub/super/top/text-top/middle/textbottom/bottom/percentage/length/inherit

white-space: normal/pre/nowrap/pre-wrap/pre-line/inherit

visibility: visible/hidden/collapse/inherit

text-direction: ltr/rtl/inherit

unicode-bidi: normal/embed/bidi-override/inherit

font-size-adjust: number/none



Bullets and Numbers

LECTURE 2

Bullets and Numbers

list-style-type: none / disc / circle / square / decimal / decimal-leading-zero / lower-alpha / upper-alpha / lower-latin / upper-latin / lower-roman / upper-roman / lower-greek / inherit

Keyword	System
decimal	1, 2, 3, 4, 5, ...
decimal-leading-zero	01, 02, 03, 04, 05, ...
lower-alpha	a, b, c, d, e, ...
upper-alpha	A, B, C, D, E, ...
lower-latin	a, b, c, d, e, ... (same as lower-alpha)
upper-latin	A, B, C, D, E, ... (same as upper-alpha)
lower-roman	i, ii, iii, iv, v, ...
upper-roman	I, II, III, IV, V, ...
lower-greek	α , β , χ , δ , ϵ , ...

Bullets and Numbers

list-style-position: inside / outside / inherit

Inside

- | |
|----------|
| ■ Item 1 |
| ■ Item 1 |
| ■ Item 1 |

Outside

- | |
|----------|
| ○ Item 1 |
| ○ Item 1 |
| ○ Item 1 |



Image

LECTURE 3

Make Your Image

list-style-image: url / none / inherit

U1 {

list-style-image: url(/image/rainbow.gif);

list-style-type: circle;

list-style-position: outside;

}

 Point 1

 Point 2

 Point 3