

# Web Development



## Cascade Styling Sheet (CSS-2)

By

Fahad Layth Malallah:

Cihan University,  
4<sup>th</sup> grade, Computer Science,  
Semester-1, 2015-2016.

### Reference Books:

1. [www.w3school.com](http://www.w3school.com)
2. *HTML dog* by Partick Griffiths.
3. *Professional CSS Cascad Style Sheet for Web Design*, by Christopher Schmitt.
4. *Javascript, Sixth Edition*, by Danny Goodman.
5. *PHP6, Apache,MySql Web Development*, by Timothy Boronczyk.





# Cascade Styling Sheet (CSS)

## Text Description.

Property	CSS code Examples	
color	HEX: #00ff00 ; green Key word: color:red	RGB: color:rgb(0,0,255): blue
Text-align	Text-align:center; align:right; text-align: justify;	Text-align:left;      Text-align:right;
text-decoration:	Text-decoration: none; text-decoration: overline; through;	text-decoration: underline; text-decoration: line-through;
Text-transform	text-transform: uppercase ; text-transform: lowercase text-transform: capitalize;	
text-shadow	text-shadow: <i>h-shadow v-shadow blur-radius color</i> Example: text-shadow: 20px -2px 10px #FF0000;	
Text-indent	Text-indent:4px ; starting of each P.	

**cihan 1**

**cihan**

cihan

# Cascade Styling Sheet (CSS)



## Text Description.

Property	CSS code Examples
Line-height	Line-height: 0.5;
direction	Direction: ltr;      direction: rtl
word-spacing	word-spacing: 50px; Space Between Words.
letter-spacing	letter-spacing: +-4px; Space between characters.

# Cascade Styling Sheet (CSS)



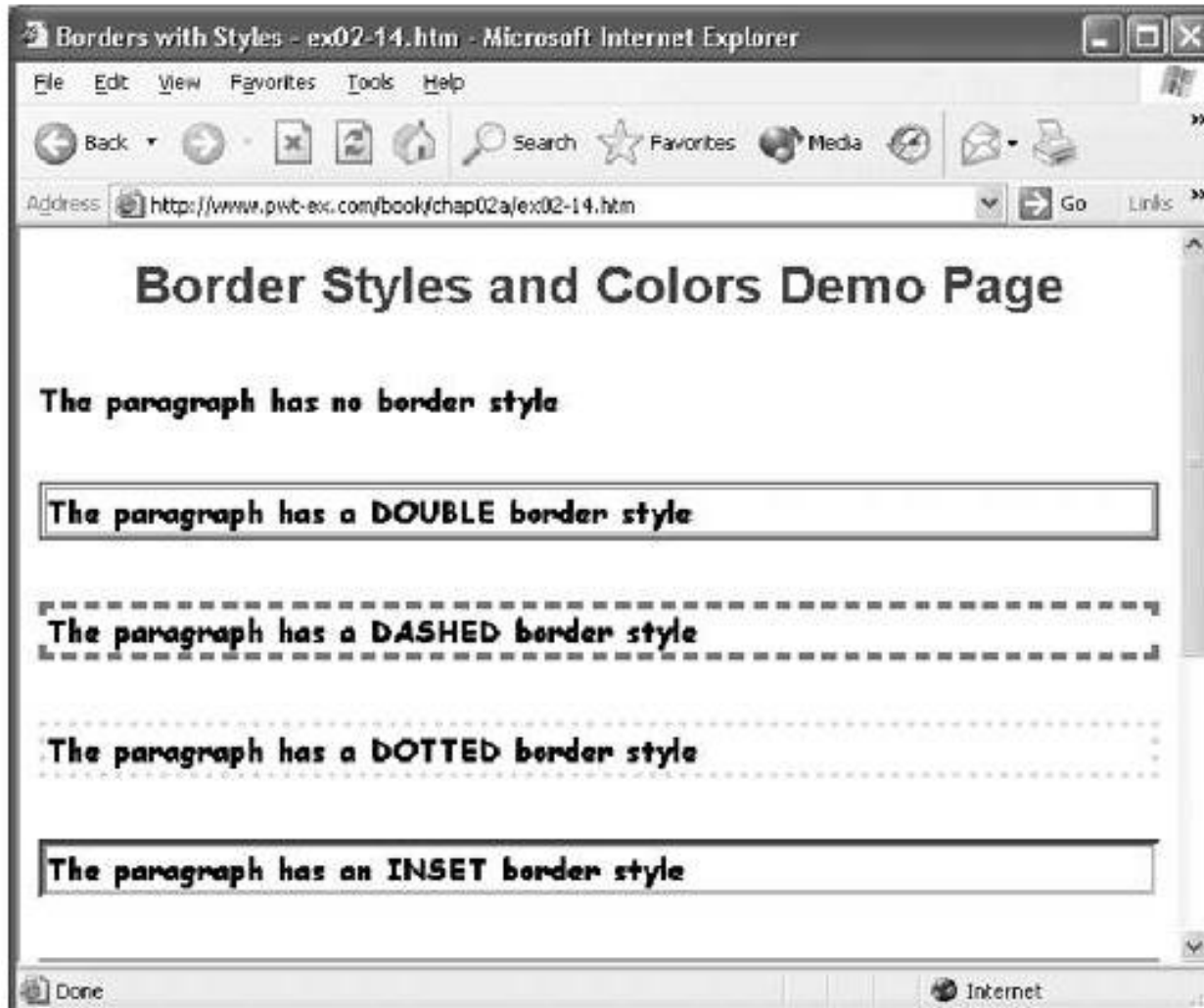
## Color Description.

Property	CSS code Examples
rgb	<code>color:rgb(255,255,255)</code>
Hsl	hue,: 0-360 , (0-360 red, 120 green , 240 blue) Saturation: 0 %-100% (100% is full color, ) Lightness: 0%-100% : (100% dark, 0%white color) <code>background-color:hsl(255,25%,55%)</code>
hsla	The same as hls but with a: 0:full transparent, 1:full opaque. <code>color:hsla(255,25%,55%,0.6)</code>

# Cascade Styling Sheet (CSS)



## HTML Border description.



# Cascade Styling Sheet (CSS)



## HTML Border description.

Property	CSS code Examples
border	border: 5px solid red Thick type color
Border-style	None, dashed, solid, dotted, inset, outset, ridge, double, groove,  border-top-style: dotted; border-right-style: solid; border-bottom-style: dotted; border-left-style: solid;
Border-color	red; or color:#ff0000l; border-color: red green blue yellow;
Border-width	Length, thin, medium, thick
Width height	100px; 50 px;



# Cascade Styling Sheet (CSS)

## HTML Border description.

Property	CSS code Examples
Border-top-style Border-top-color Border-top-width	<pre>border-top-style: dotted; border-right-style: solid; border-bottom-style: dotted; border-left-style: solid;</pre>
margin	<pre>margin-top: 2cm; margin-right: 2cm; margin-left: 2cm; margin-bottom: 2cm;</pre>

**Question:** set a border like the following :

Computer

**Question:** set a margin for a web page writing as :  
Top=1, right=0.5, bottom=1, left=2cm

Accounting



# Cascade Styling Sheet (CSS)

HTML List Style description: `<ul> <li>text</li></ul>`

`<ol> <li>text</li></ol>`

`<dt> <dd>text</dd></td>`

Property	CSS code Examples
List-style-image	List-style-image:url(image.jpg)
List-style-position	List-style-position:inside; inside the bullet List-style-position:outside; outside the bullet
List-style-type	Disc,circel,square,decimal,lower-roman,upper-roman, upper-greek,lower-greek, katagana, none.



# Cascade Styling Sheet (CSS)



## HTML Table Style description:

Table Styling could be manipulate by adding an internal CSS with name of tag table tr, td tags as:

```
<html>
<head>
<style>
table, th, td {
border: 1px solid black; width: 400px; height: 500px;
text-align: left; vertical-align: bottom; (or top;)
background-color: green; color: white; Padding: 5px;
}
</style>
</head>
<body>
```

**(What about if you define the width of the td only?)**

To unify all the border of the table , we use:  
**border-collapse: collapse; (or separate)**

With collapse

Firstname	Lastname
Ali	reber
Ahmed	samir

Without collapse

Firstname	Lastname
Ali	reber
Ahmed	samir

# Cascade Styling Sheet (CSS)



**HTML Position Style description:**

**Position in CSS has four type:**

- 1- Static: which is default by CSS.**
- 2- Fixed: which stays in the its position even after scrolling.**
- 3- Relative: which is relative to its normal position.**
- 4- Absolute: which is relative to element ancestors, absolute is very useful when we want to combine a shape hat consist s with many small pieces.**
- 5- z-index : which specifies stacking order of the positions element. -1 is less property than 0 like wise less than 1 and so on.**

**Declaration as follows:**

**Position: relative ; left: value, top:vlaue, right:value, bottom: value**

**Note : value could be by pixel or by percent.**

# Cascade Styling Sheet (CSS)



## HTML Position Style description:

2- Fixed css code:

```
.fixed_element  
{  
Position: fixed;  
left,: 0px ;  
Top:0px;  
}
```

3- relative css code:

```
.relative_element  
{  
Position: relative;  
left,: 0px ;  
Top:0px;  
}
```

4- relative css code:

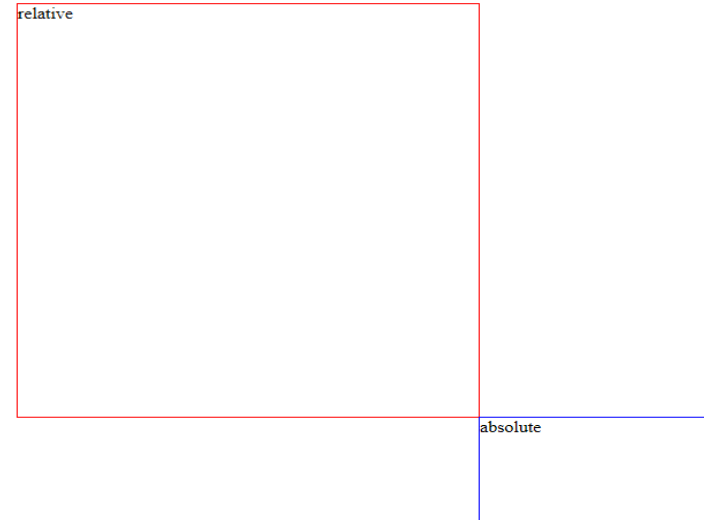
```
.absolute_element  
{  
Position: absolute;  
left,: 0px ;  
Top:0px;  
}
```

# Cascade Styling Sheet (CSS)



**Example: Draw the following shapes:**

```
<!DOCTYPE html>
<html>
<head>
<title> example class</title>
<style type="text/css">
p { color:blue ; background-color:red;}
div.relative{
position:relative;
width:400px;height:400px;
border:1px solid red;
}
div.absolute{
position:absolute;
width:200px;
height:100px;
left:100%;
top:100%;
border:1px solid blue;
}
```



```
</style></head>
<body>
<div class="relative"> relative
<div class="absolute"> absolute </div>
</div>

</body></html>
```

# Cascade Styling Sheet (CSS)



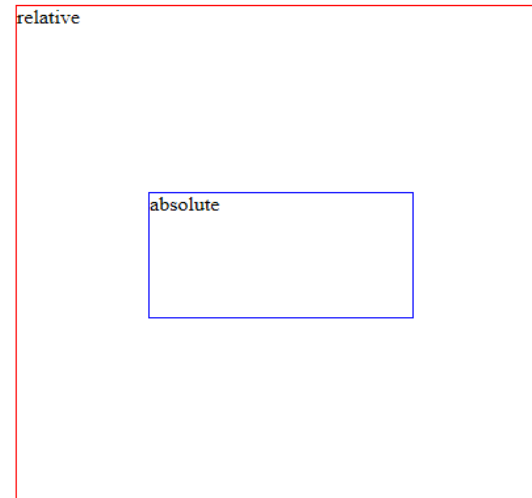
## HTML View Style description:

Property	CSS code Examples
<b>Visibility</b> Specifies whether an element is displayed in the page or no , in the first loading.	Visible, hidden, Visibility: Visible;      or      Visibility: hidden;
<b>display</b>	Display:inline; Display:block;
Selector: Link {} Selector: visited {}	a:visited { color: orange;} a:visited { color: orange;}
Selector: hover {} The hover selector is used to select elements when you mouse over them.	a: hover{ background-color:red; font-size:15pt } P: hover { color:red; }
Selector: active { } once selected link	a:active { color: yellow;}

# Question



- 1) How to change a position of a table to maximum right-bottom of the web page?.
- 2) How to set an image position to be bottom vertically and middle horizontally of the Web page?.
- 3) Build a blue background table with dotted border consisting of three rows and 5 columns. The third columns text must be red color.
- 4) Draw the following shapes with the same positions:
  - 1- Red shape dimensions:  
400px for width and height.
  - 2- Blue shape dimensions:  
200px width, 100 px height.



# Question



5) Construct a navigation bar of a website which is specified as the figure below:

Cihan University Campus / Sulaimaniyah



HOME

ABOUT

FACULTIES

ADMISSION

CONTACT US

LOGIN