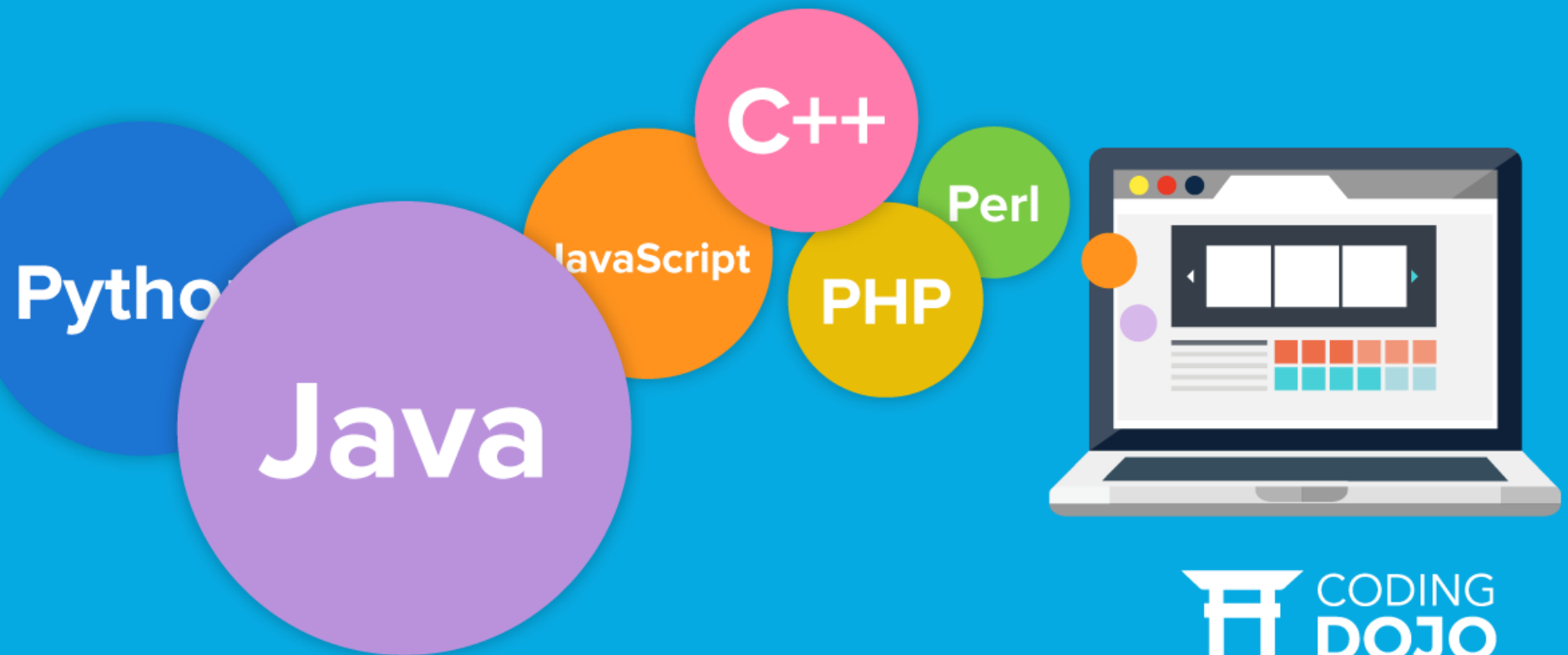
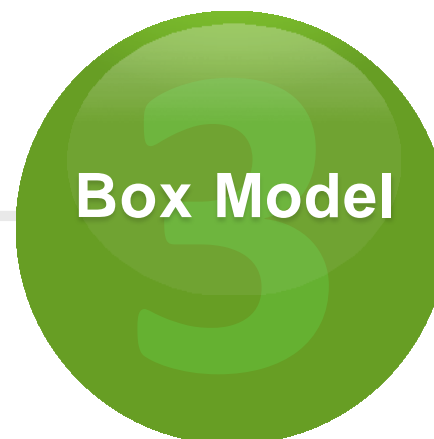


CSS Layout





CSS Layout



TÀI LIỆU THAM KHẢO

CSS

CSS Layout



£ W3C CSS Training

□ <http://www.w3.org/wiki/CSS/Training>

£ Learn Layout

□ <http://learnlayout.com>



£ Andy Budd, **CSS Mastery**, Advanced Web Standard Solutions, Second Edition, 2009

£ CSS Cheat Sheet





STYLING

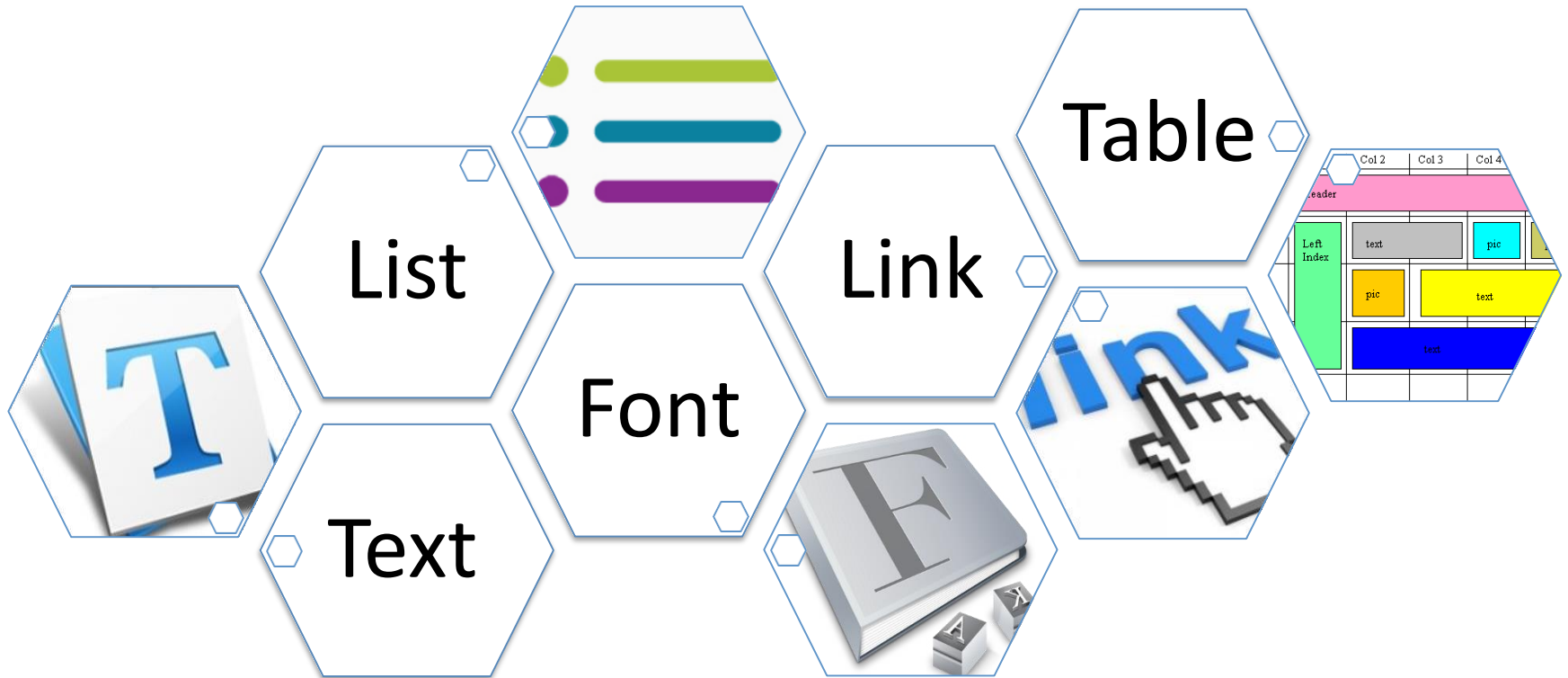
CSS



CSS Layout



Styling





Text

- color
- text-align
- text-decoration
- text-indent



CSS Text – color

- £ Chỉ định màu chữ cho nội dung văn bản
- £ Cú pháp

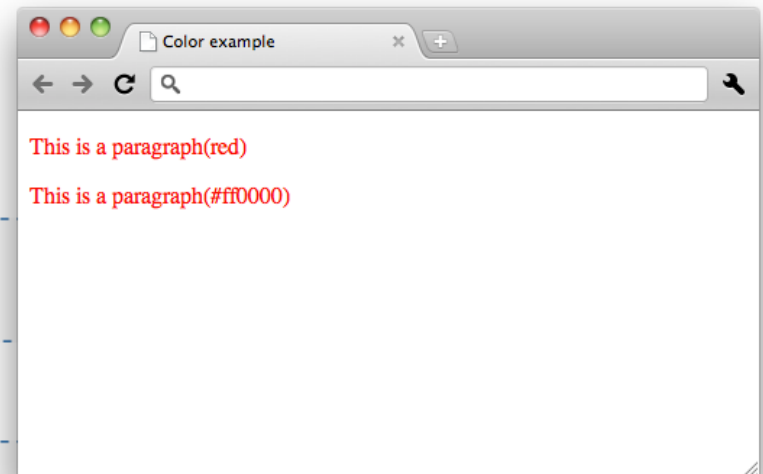
```
color: color keywords | color values
```

[style.css]

```
p#key{ color: red; }  
p#val{ color: #ff0000; }
```

[index.html]

```
<p id="key">This is a paragraph(red)</p>  
<p id="val">This is a paragraph(#ff0000)</p>
```



- £ Canh lề cho nội dung văn bản
- £ Cú pháp

```
text-align: left | right | center | justify
```

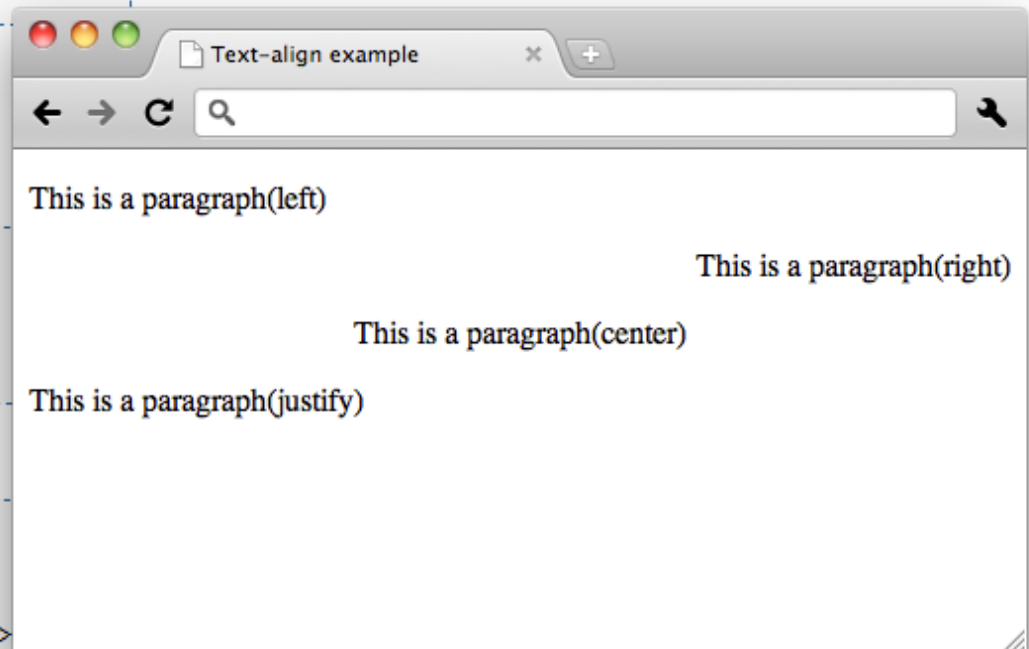
£ ví dụ

[style.css]

```
p#le{ text-align: left; }  
p#ri{ text-align: right; }  
p#ce{ text-align: center; }  
p#ju{ text-align: justify; }
```

[index.html]

```
<p id="le">This is a paragraph(left)</p>  
<p id="ri">This is a paragraph(right)</p>  
<p id="ce">This is a paragraph(center)</p>  
<p id="ju">This is a paragraph(justify)</p>
```



£ Chỉ định vị trí đường kẻ hiển thị cùng văn bản

£ Cú pháp

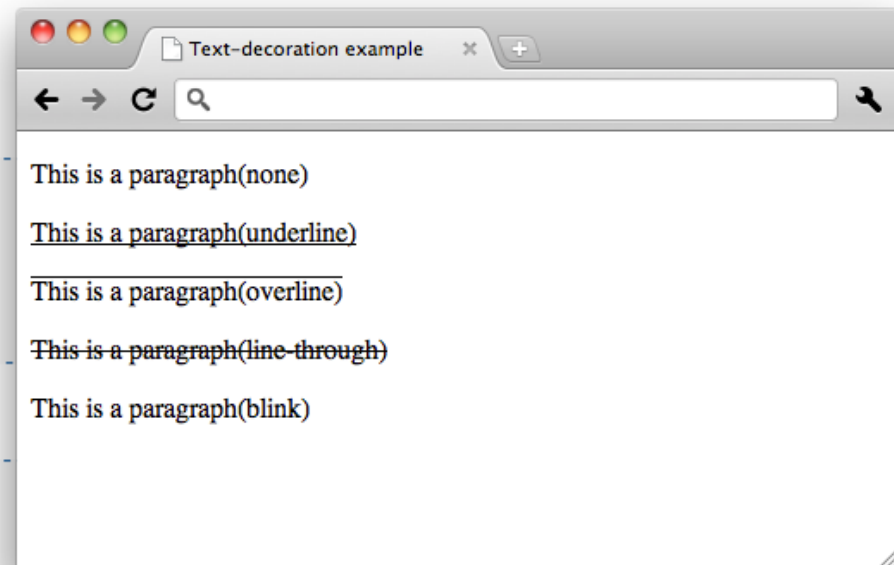
```
text-decoration: none | underline | overline | line-through | blink
```

£ Ví dụ
[style.css]

```
p#no{ text-decoration: none; }  
p#un{ text-decoration: underline; }  
p#ov{ text-decoration: overline; }  
p#th{ text-decoration: line-through; }  
p#bl{ text-decoration: blink; }
```

[index.html]

```
<p id="no">This is a paragraph(none)</p>  
<p id="un">This is a paragraph(underline)</p>  
<p id="ov">This is a paragraph(overline)</p>  
<p id="th">This is a paragraph(line-through)</p>  
<p id="bl">This is a paragraph(blink)</p>
```



- £ Chỉ định độ lệch vào của dòng đầu tiên trong đoạn văn bản
- £ Cú pháp

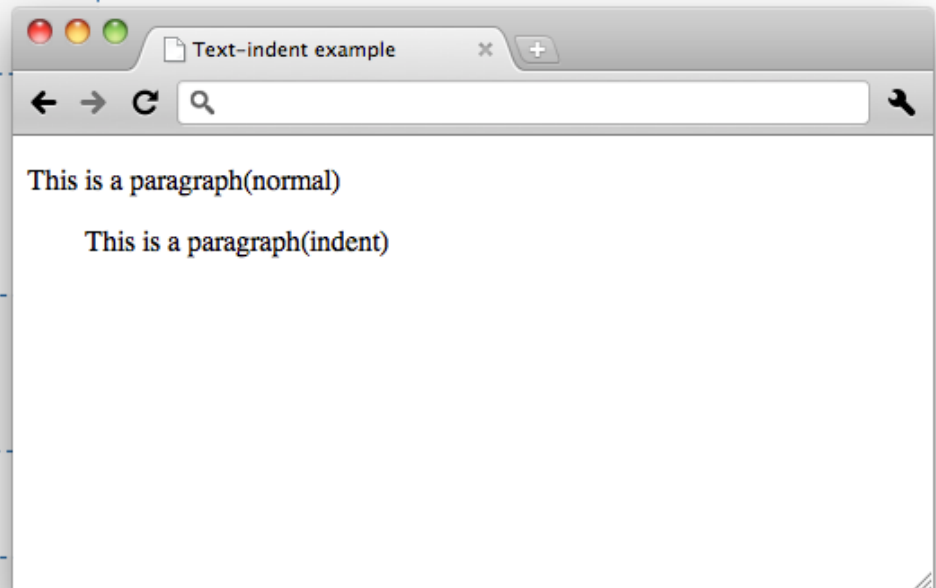
```
text-indent: length;
```

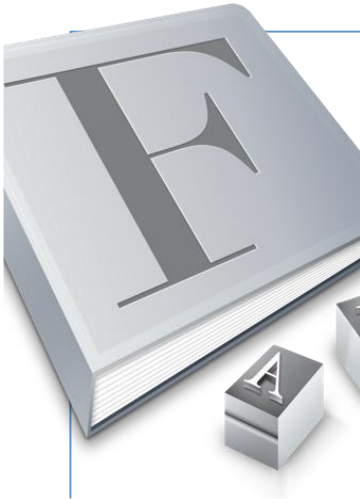
[style.css]

```
p#ind{
  text-indent: 2em;
}
```

[index.html]

```
<p>This is a paragraph(normal)</p>
<p id="ind">This is a paragraph(indent)</p>
```





Font

- font-size
- font-family
- font-style
- font-weight

£ Chỉ định kích thước chữ

£ Cú pháp

```
p{  
  font-size: <absolute-size> | <relative-size> | <length> | <percentage>;  
}
```

- ❑ absolute-size: [xx-small | x-small | small | medium | large | x-large | xx-large]
- ❑ relative-size: [larger | smaller]

CSS Font – font-size (tt)



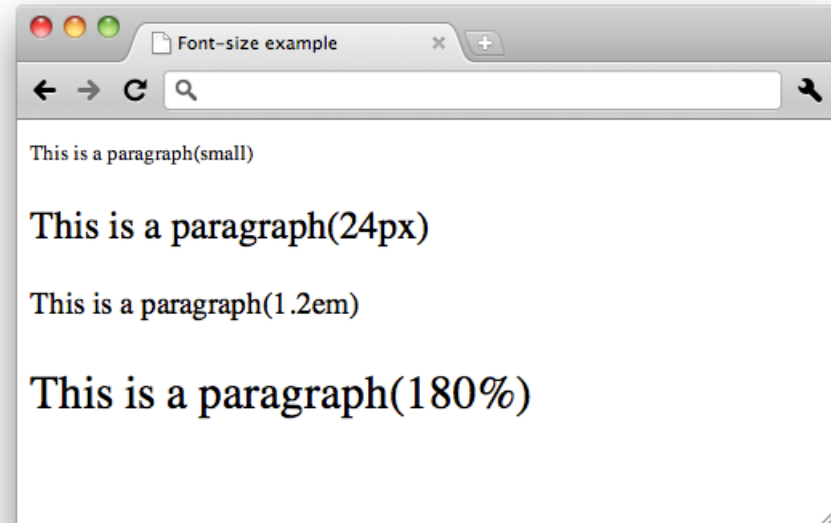
£ Ví dụ

[style.css]

```
p#ab{ font-size: small; }  
p#px{ font-size: 24px; }  
p#em{ font-size: 1.2em; }  
p#per{ font-size: 180%; }
```

[index.html]

```
<p id="ab">This is a paragraph(small)</p>  
<p id="px">This is a paragraph(24px)</p>  
<p id="em">This is a paragraph(1.2em)</p>  
<p id="per">This is a paragraph(180%)</p>
```



CSS Font – font-family



- £ Chỉ định loại font chữ
- £ Cú pháp

```
p{  
  font-family: <family-name> | <generic-family>;  
}
```

- ❑ family-name: “Arial”, “Time New Roman”...
- ❑ generic-family: [serif | sans-serif | cursive | fantasy | monospace]

CSS Font – font-family (tt)



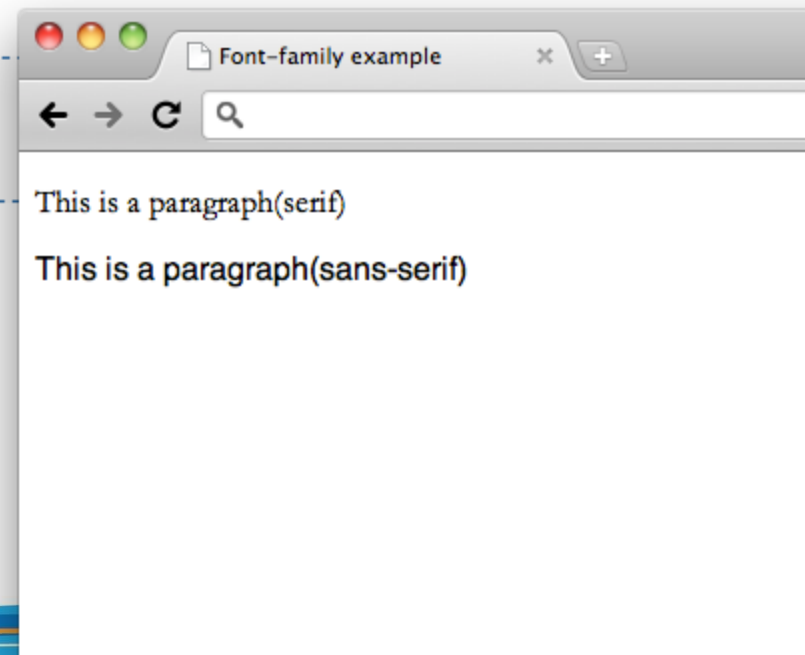
£ Ví dụ

[style.css]

```
p#se{ font-family: "Time New Roman", Garamond, serif; }  
p#sa{ font-family: Helvetica, "MS Verdana", sans-serif; }
```

[index.html]

```
<p id="se">This is a paragraph(serif)</p>  
<p id="sa">This is a paragraph(sans-serif)</p>
```



CSS Font – font-style

£ Chỉ định kiểu chữ

£ Cú pháp

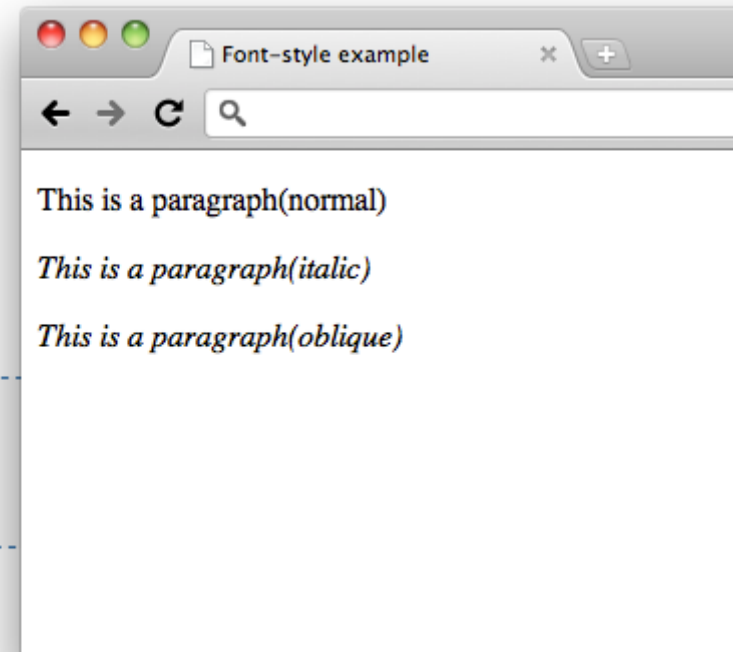
```
p{  
  font-style: normal | italic | oblique;  
}
```

£ Ví dụ [style.css]

```
p#no{ font-style: normal; }  
p#i{ font-style: italic; }  
p#ob{ font-style: oblique; }
```

[index.html]

```
<p id="no">This is a paragraph(normal)</p>  
<p id="i">This is a paragraph(italic)</p>  
<p id="ob">This is a paragraph(oblique)</p>
```



CSS Font – font-weight

- £ Chỉ định độ đậm của chữ
- £ Cú pháp

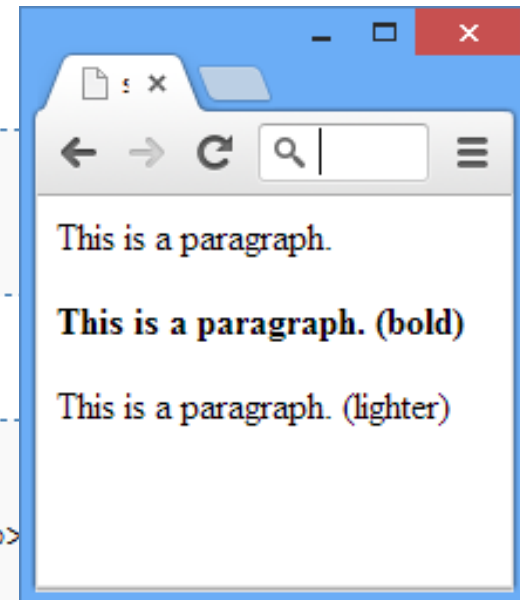
```
p{  
  font-weight: normal | bold | bolder | lighter | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900  
}
```

£ Ví dụ [style.css]

```
p#bold{ font-weight: bold; }  
p#lighter{ font-weight: lighter; }
```

[index.html]

```
<p>This is a paragraph.</p>  
<p id="bold">This is a paragraph. (bold)</p>  
<p id="lighter">This is a paragraph. (lighter)</p>
```





List

- list-style-type
- list-style-image

CSS List – list-style-type



£ Chỉ định dấu hiệu hiển thị trước từng mục trong danh sách

£ Cú pháp: `list-style-type: value;`

□ Danh sách không thứ tự

- disc
- circle
- square

□ Danh sách có thứ tự

- ¡ decimal: 1, 2, 3, ...
- ¡ decimal-leading-zero: 01, 02, 03, ...
- ¡ lower-roman: i, ii, iii, ...
- ¡ upper-roman: I, II, III, ...
- ¡ lower-greek: α, β, γ, ...
- ¡ lower-latin: a, b, c, ...
- ¡ upper-latin: A, B, C, ...
- ¡ armenian: 1, 2, 3, ...

CSS List – list-style-type (tt)



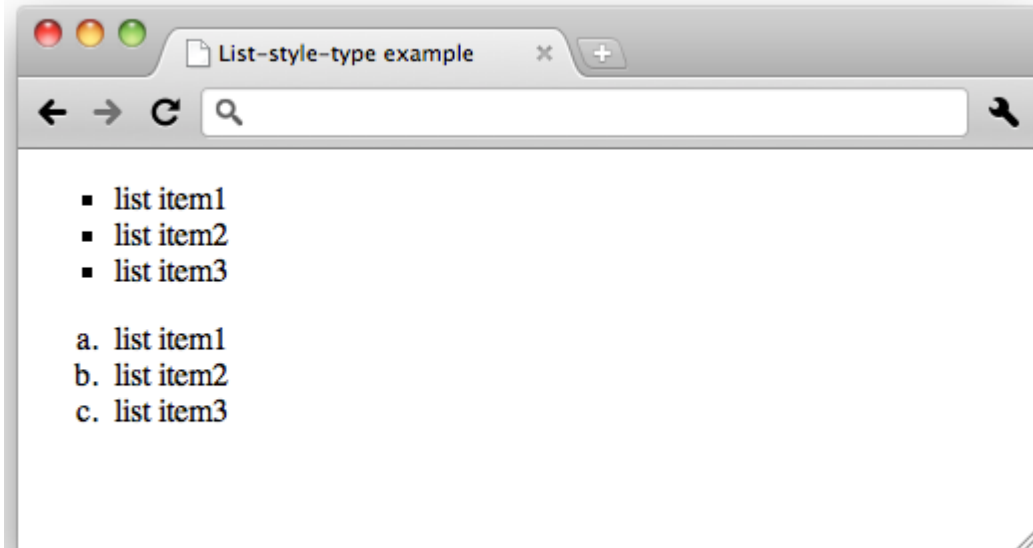
£ Ví dụ

[style.css]

```
ul{  
  list-style-type: square;  
}  
ol{  
  list-style-type: lower-alpha;  
}
```

[index.html]

```
<ul>  
  <li>list item1</li>  
  <li>list item2</li>  
  <li>list item3</li>  
</ul>  
<ol>  
  <li>list item1</li>  
  <li>list item2</li>  
  <li>list item3</li>  
</ol>
```



CSS List – list-style-image



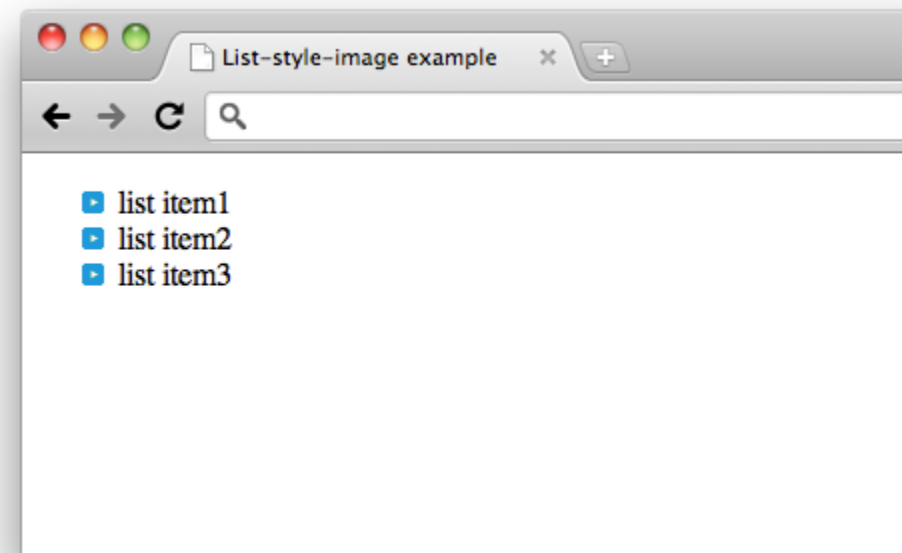
- £ Chỉ định hình ảnh hiển thị trước từng mục trong danh sách
- £ Cú pháp: `list-style-image: <uri> | none;`
- £ Ví dụ

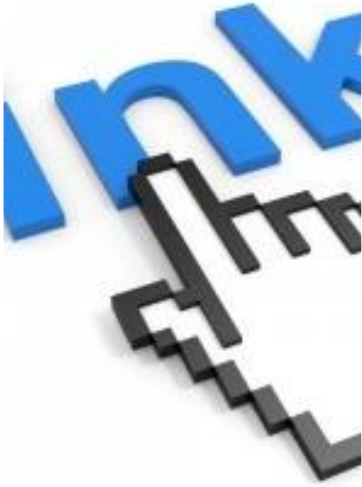
[style.css]

```
ul{  
  list-style-image: url(images/list.gif);  
}
```

[index.html]

```
<ul>  
  <li>list item1</li>  
  <li>list item2</li>  
  <li>list item3</li>  
</ul>
```





Link

- a:link
- a:visited
- a:hover
- a:active

£ Định dạng dựa trên trạng thái của Link

£ Cú pháp:

- a:link { attribute:value; }
- a:visited { attribute:value; }
- a:hover { attribute:value; }
- a:active { attribute:value; }

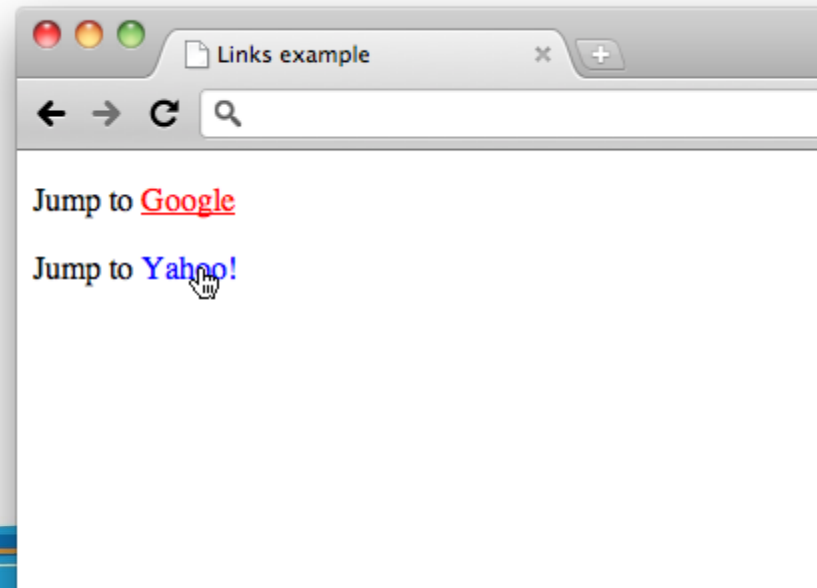
£ Ví dụ

[style.css]

```
a:link, a:visited{
  color: #ff0000;
  text-decoration: underline;
}
a:hover, a:active{
  color: #0000ff;
  text-decoration: none;
}
```

[index.html]

```
<p>Jump to <a href="http://www.google.com/">Google</a></p>
<p>Jump to <a href="http://www.yahoo.com/">Yahoo!</a>
```



	Col 2	Col 3	Col 4
r			
	text		pic
	pic	text	
	text		

Table

- border-spacing
- border-collapse
- text-align
- vertical-align

£ Dùng border-spacing để thay thế cellpadding

1	2
3	4

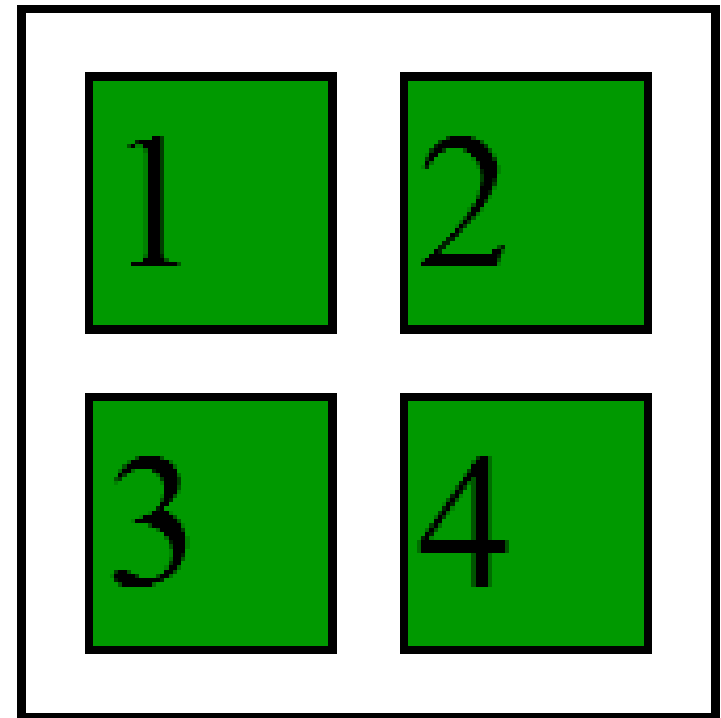
```
table
{
    width: 100%;
}
```

1	2
3	4

```
table
{
    width: 100%;
    border-spacing: 0px;
}
```

£ Kiểu kẻ biên separate

```
table
{
    width: 100%;
    border: 1px solid Black;
    border-collapse: separate;
    border-spacing: 5px;
}
td
{
    background-color: #009900;
    border: 1px solid Black;
}
```



1	2
3	4

£ Kiểu kẻ biên collapse

```
table
{
    width: 100%;
    border: 1px solid Black;
    border-collapse: collapse;
    border-spacing: 5px;
}
td
{
    background-color: #009900;
    border: 1px solid Black;
}
```

1	2
3	4

CSS Table canh chữ

- £ Canh ngang: text-align
- £ Canh dọc: vertical-align

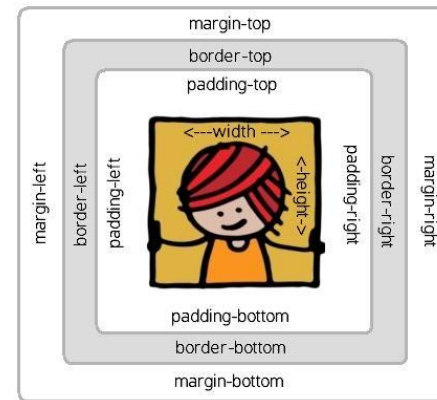
```
td
{
    background-color: #009900;
    border: 1px solid Black;
    text-align: center;
    vertical-align: bottom;
    height: 30px;
}
```

1	2
3	4



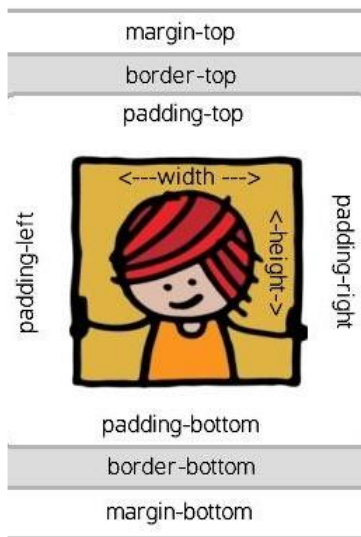
BOX MODEL

CSS



CSS Layout

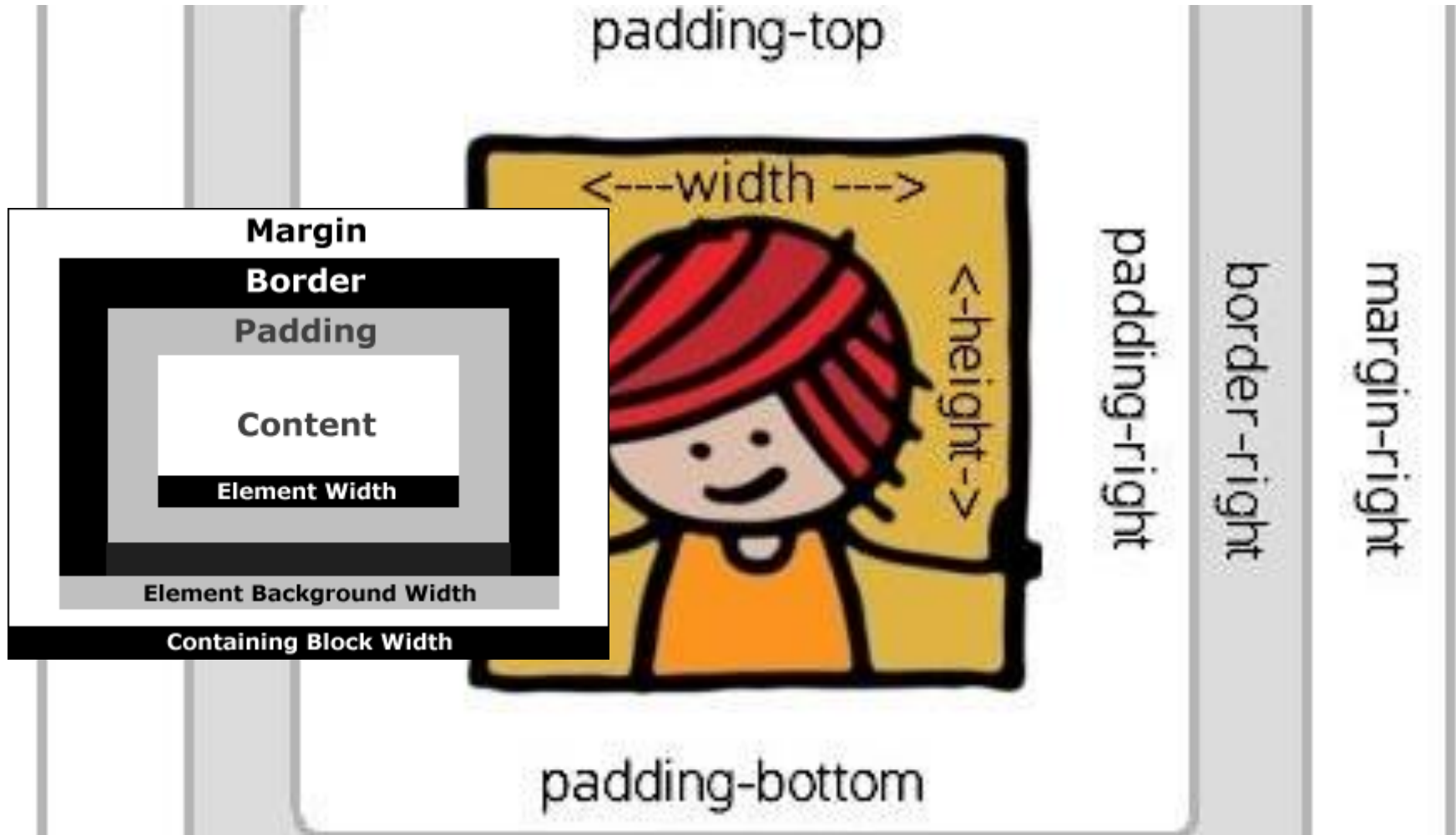
CSS Box Model



Box Model

- width, height
- padding, margin
- background
- border

CSS Box Model

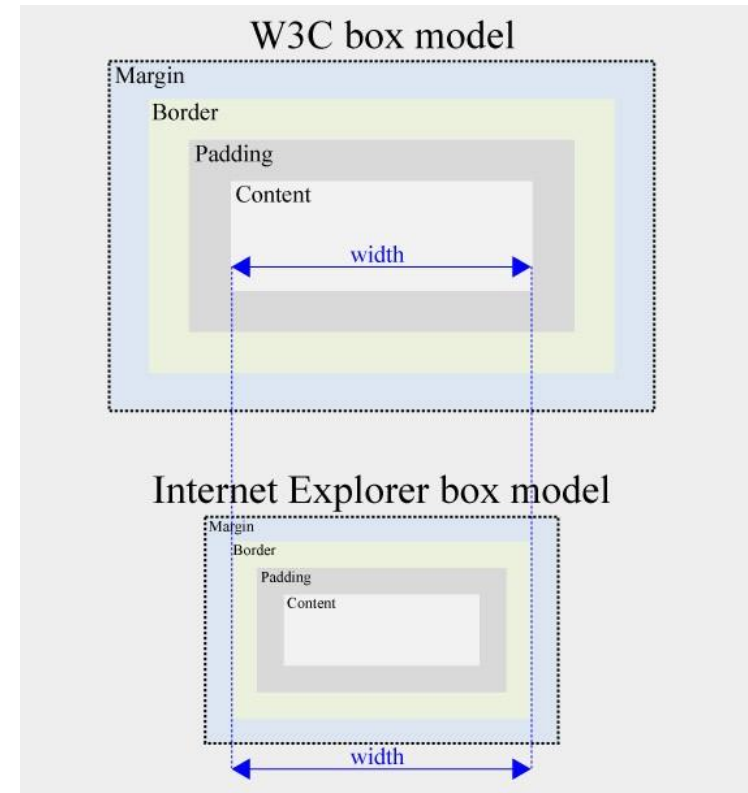


Box Model – width & height

£ Chỉ định chiều rộng và cao của phần content

£ Cú pháp

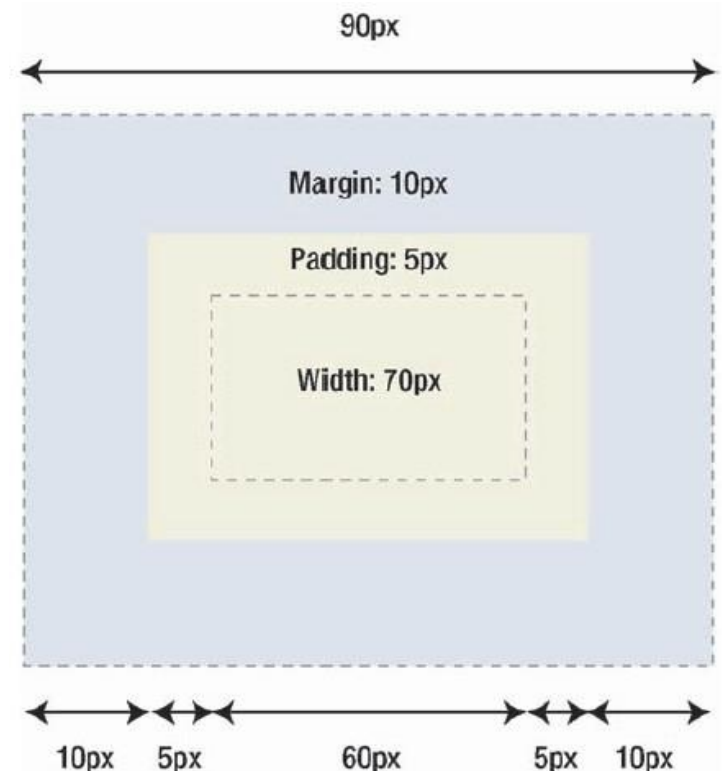
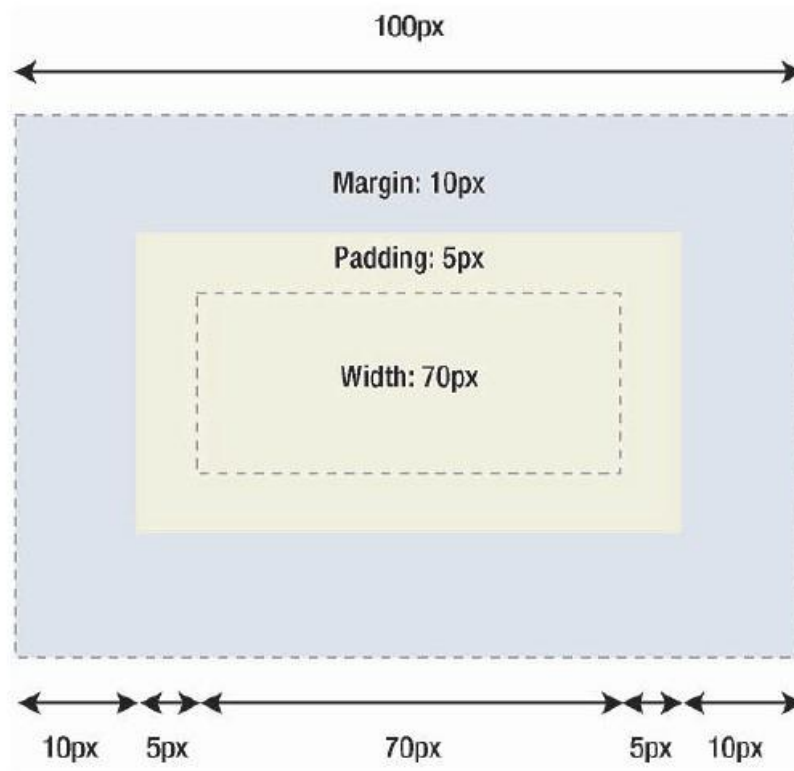
```
width: <length> | <percentage> | auto;  
height: <length> | <percentage> | auto;
```



Box Model – Standard vs. IE6



```
#myBox {  
  margin: 10px;  
  padding: 5px;  
  width: 70px;  
}
```

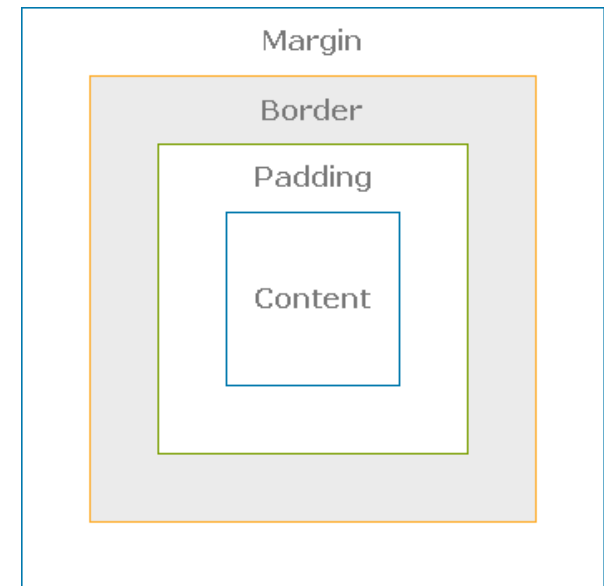


Box Model - padding

£ Chỉ định độ rộng của vùng padding

£ Cú pháp

```
padding-top: <length> | <percentage>  
padding-right: <length> | <percentage>  
padding-bottom: <length> | <percentage>  
padding-left: <length> | <percentage>  
padding: <top&bottom> <right&left>  
padding: <top> <right&left> <bottom>  
padding: <top> <right> <bottom> <left>
```



Box Model – padding (tt)



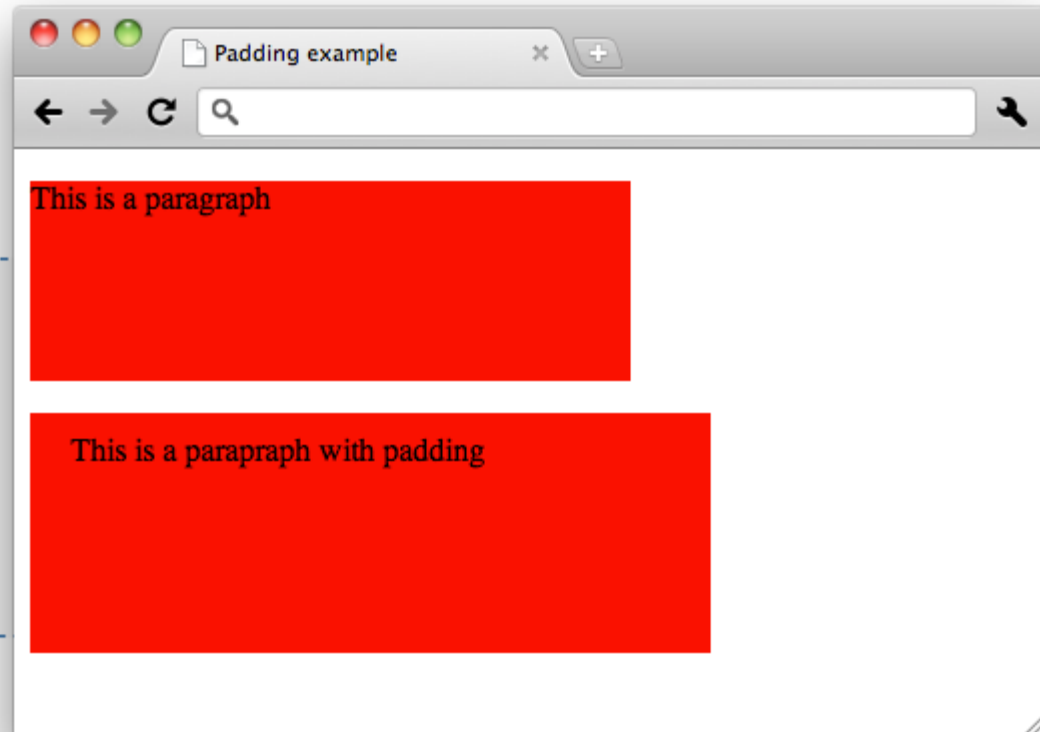
£ Ví dụ

[style.css]

```
p{
  width: 300px;
  height: 100px;
  background-color: red;
}
p#pad{
  padding: 10px 20px;
}
```

[index.html]

```
<p>This is a paragraph</p>
<p id="pad">This is a paragraph with padding</p>
```

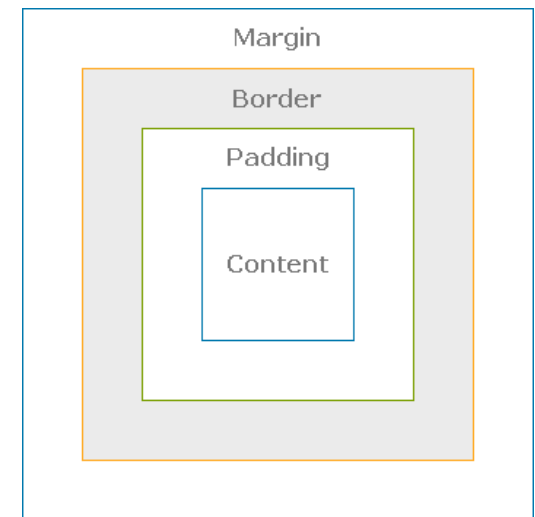


Box Model – margin

£ Chỉ định độ rộng của vùng margin

£ Cú pháp

```
margin-top: <length> | <percentage>  
margin-right: <length> | <percentage>  
margin-bottom: <length> | <percentage>  
margin-left: <length> | <percentage>  
margin: <top&bottom> <right&left>  
margin: <top> <right&left> <bottom>  
margin: <top> <right> <bottom> <left>
```



Box Model – margin (tt)

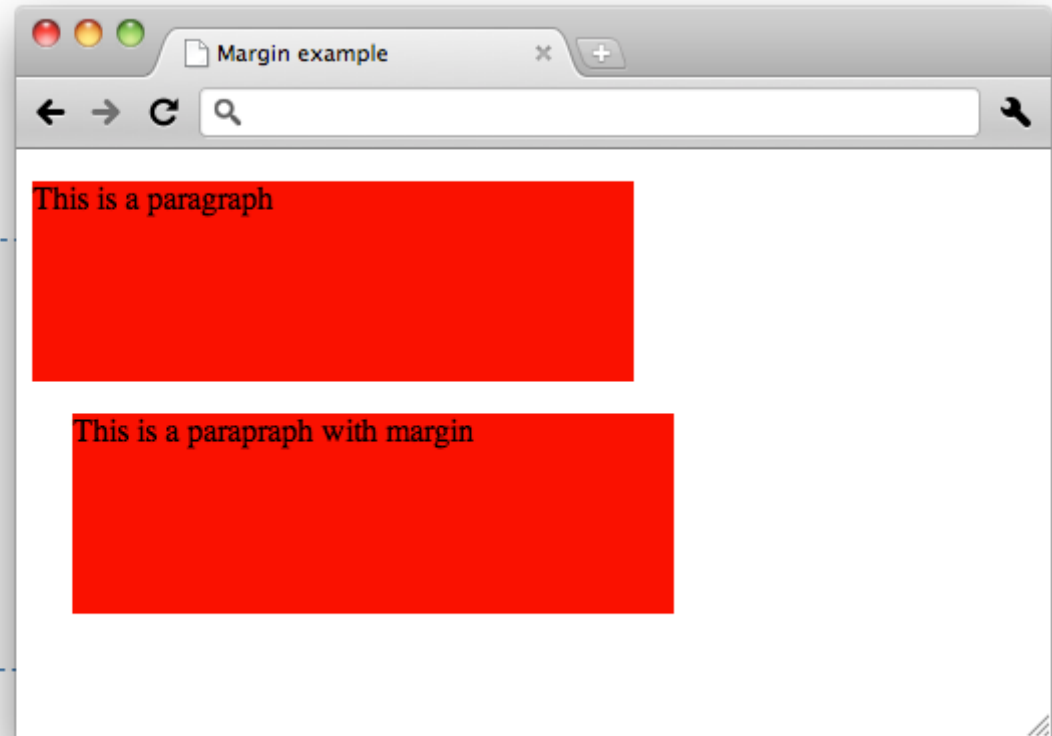
£ Ví dụ

[style.css]

```
p{
  width: 300px;
  height: 100px;
  background-color: red;
}
p#mar{
  margin-top: 10px;
  margin-bottom: 10px;
  margin-left: 20px;
  margin-right: 20px;
}
```

[index.html]

```
<p>This is a paragraph</p>
<p id="mar">This is a paragraph with margin</p>
```



£ Chỉ định màu nền

£ Cú pháp

```
background-color: <color>
```

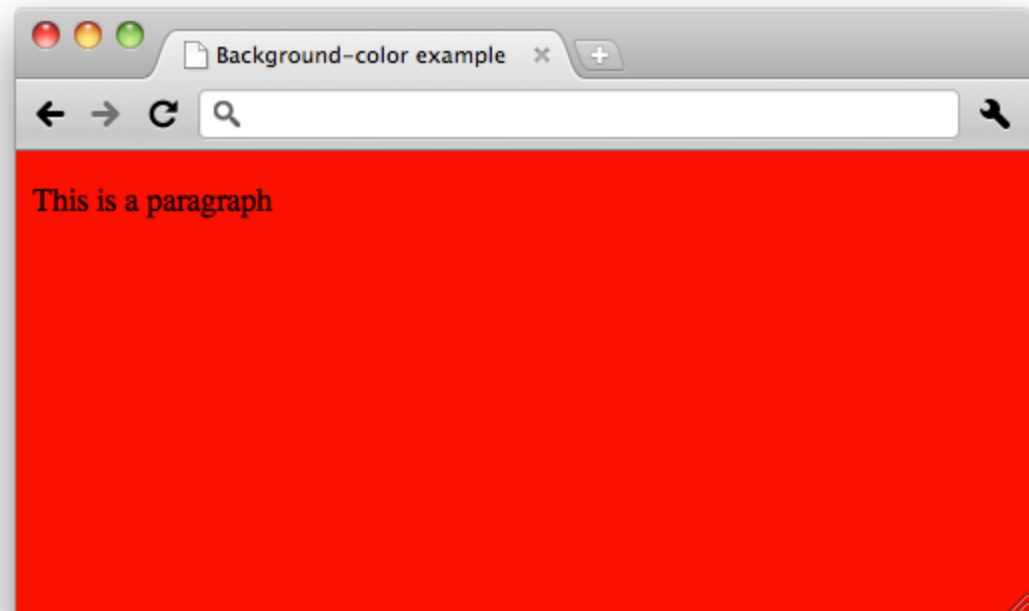
£ Ví dụ

[style.css]

```
body{  
  background-color: red;  
}
```

[index.html]

```
<body>  
<p>This is a paragraph</p>  
</body>
```



£ Chỉ định hình nền

£ Cú pháp

£ Ví dụ

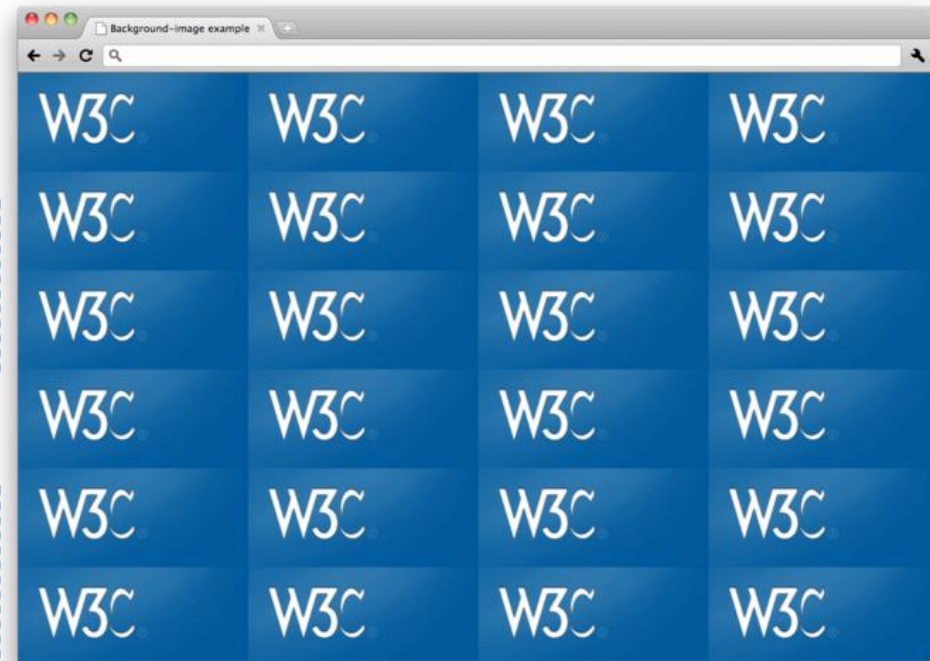
```
background-image: <uri> | none
```

[style.css]

```
body{  
  background-image: url(images/logo.png);  
}
```

[index.html]

```
<body>  
<p>This is a paragraph</p>  
</body>
```



- £ Chỉ định cách thức hình nền được lặp lại
- £ Cú pháp

£ Ví dụ:

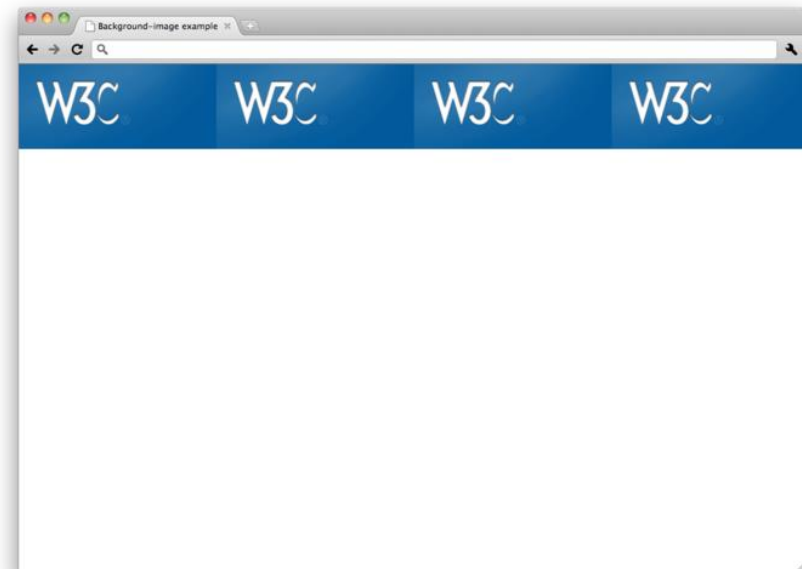
```
background-repeat: repeat | repeat-x | repeat-y | no-repeat
```

[style.css]

```
body{  
  background-image: url(images/logo.png);  
  background-repeat: repeat-x;  
}
```

[index.html]

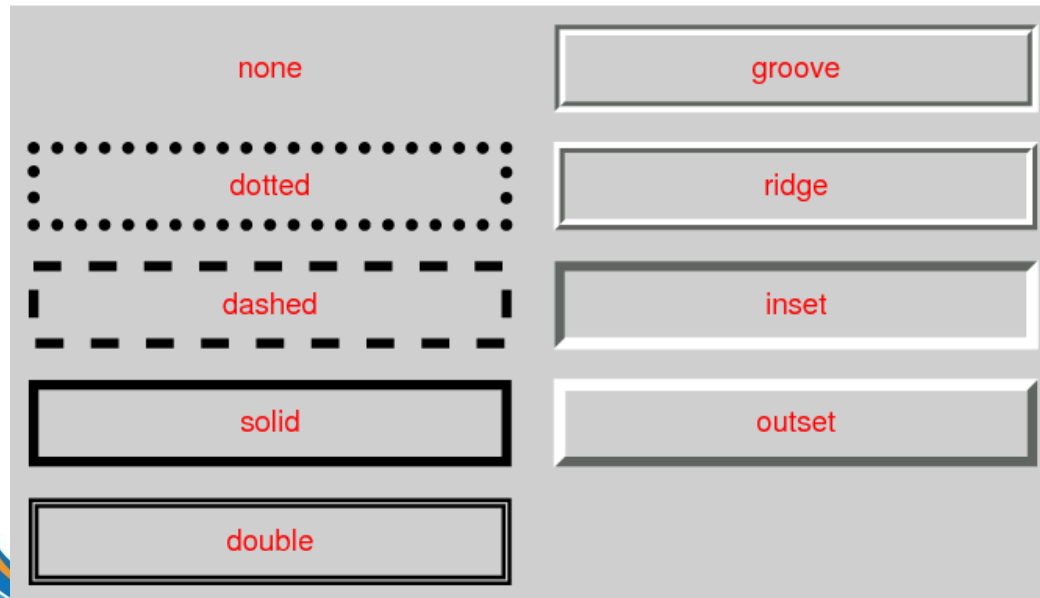
```
<body>  
<p>This is a paragraph</p>  
</body>
```



Box Model – border-style

- £ Chỉ định kiểu đường viền
- £ Cú pháp

```
border-style: none | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset
```



Box Model – border-color

£ Chỉ định màu đường viền

£ Cú pháp

£ Ví dụ

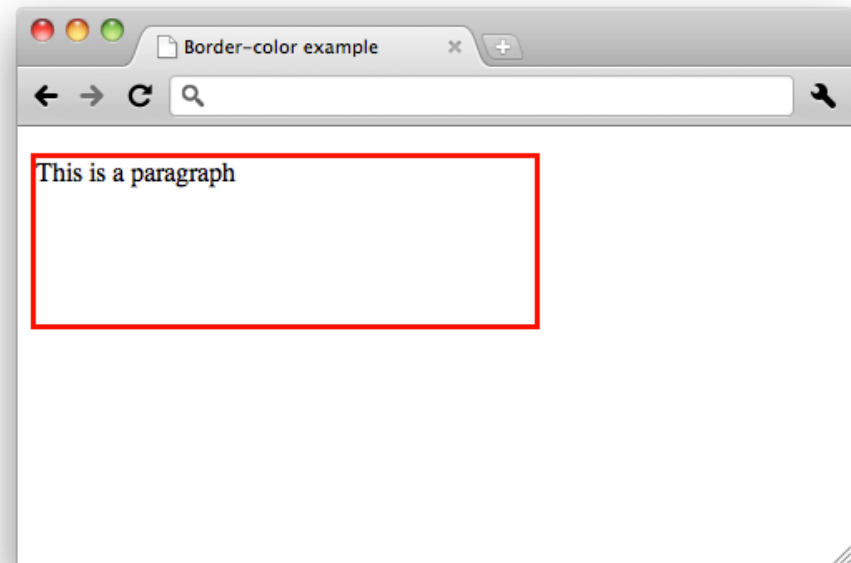
```
border-color: <color> | transparent
```

[style.css]

```
p{  
  width: 300px;  
  height: 100px;  
  border-style: solid;  
  border-color: red;  
}
```

[index.html]

```
<p>This is a paragraph</p>
```



Box Model – border-width

- £ Chỉ định độ rộng của đường viền
- £ Cú pháp

£ V

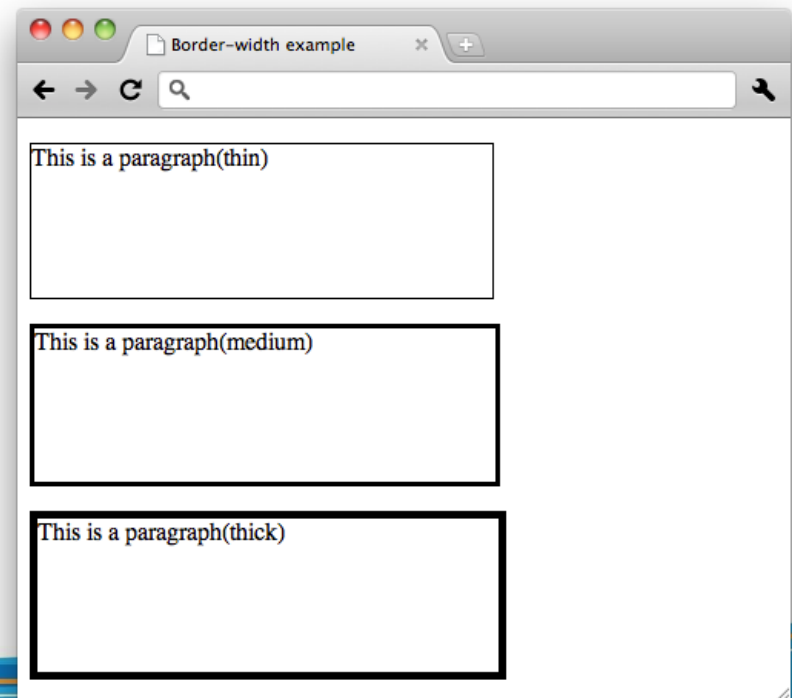
```
border-width: thin | medium | thick | <length>
```

[style.css]

```
p#thin{ border-width: thin; }  
p#med{ border-width: medium; }  
p#thick{ border-width: thick; }
```

[index.html]

```
<p id="thin">This is a paragraph(thin)</p>  
<p id="med">This is a paragraph(medium)</p>  
<p id="thick">This is a paragraph(thick)</p>
```

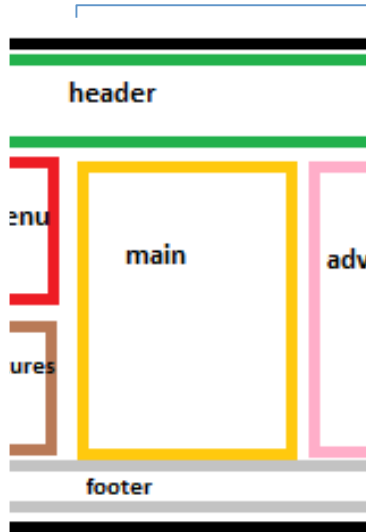


4

LAYOUT CSS



CSS Layout



CSS Layout

- display
- margin:auto
- max-width & min-height
- position
- float
- clear
- overflow:auto

CSS Layout – display

- £ Chỉ định cách thức hiển thị của nội dung
- £ Cú pháp

```
display: block | inline | none;
```

- £ Ví dụ

block

```
<div>
```

Block element

```
</div>
```

inline

Inline element is `` like this. `` Can you see the difference?

£ Ẩn một phần tử

□ display: none

```
<p>  
Đại học <span style="display: none">Khoa học</span> <span>tự nhiên</span>  
</p>
```

Đại học tự nhiên

□ visibility: hidden

```
<p>  
Đại học <span style="visibility: hidden">Khoa học</span> <span>tự  
nhiên</span>  
</p>
```

Đại học

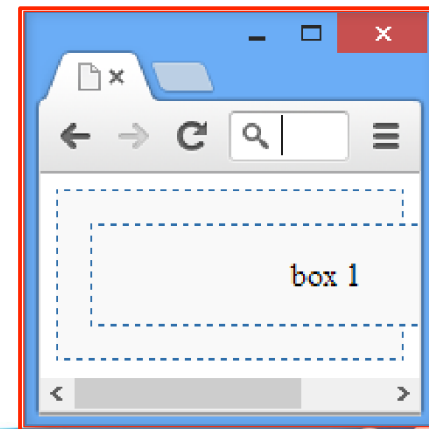
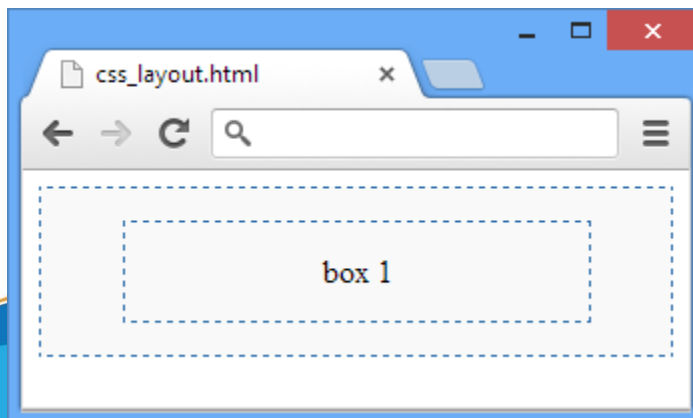
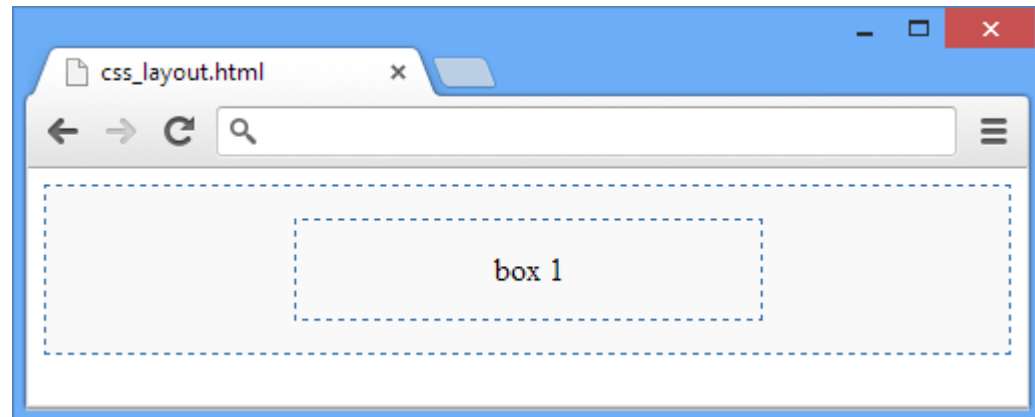
tự nhiên

CSS Layout – margin:auto

£ Tự động canh vùng nội dung ở giữa đối tượng chứa nó

£ Ví dụ

```
#box1 {  
    width: 100px;  
    margin: 0 auto;  
}
```

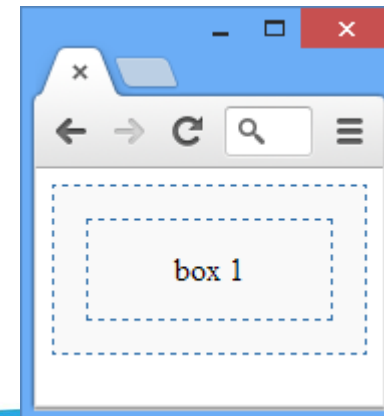
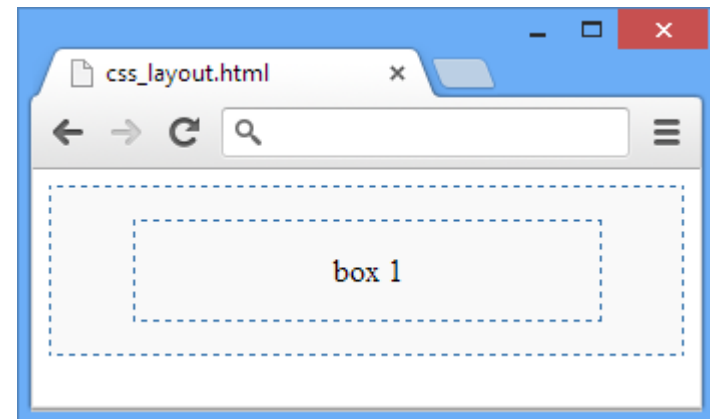


CSS Layout – max-width & min-height



- £ Thiết lập độ rộng tối đa hoặc chiều cao tối thiểu của vùng nội dung
- £ Ví dụ

```
#box1 {  
    max-width: 200px;  
    margin: 0 auto;  
}
```

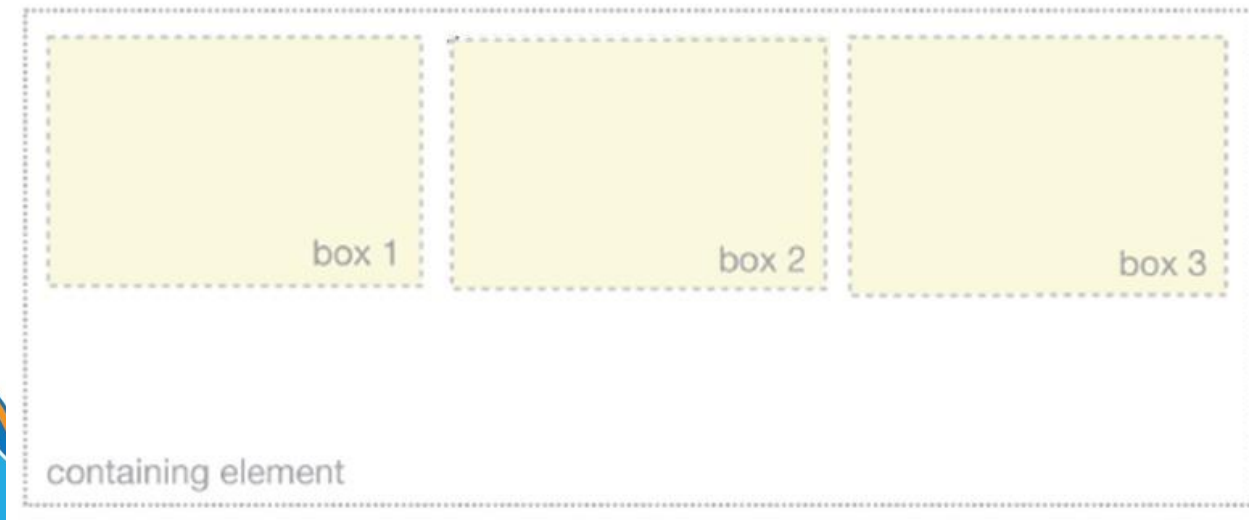


CSS Layout - position

- £ Chỉ định vị trí hiển thị của vùng nội dung
- £ Cú pháp

```
position: static | relative | fixed | absolute;
```

- £ Ví dụ



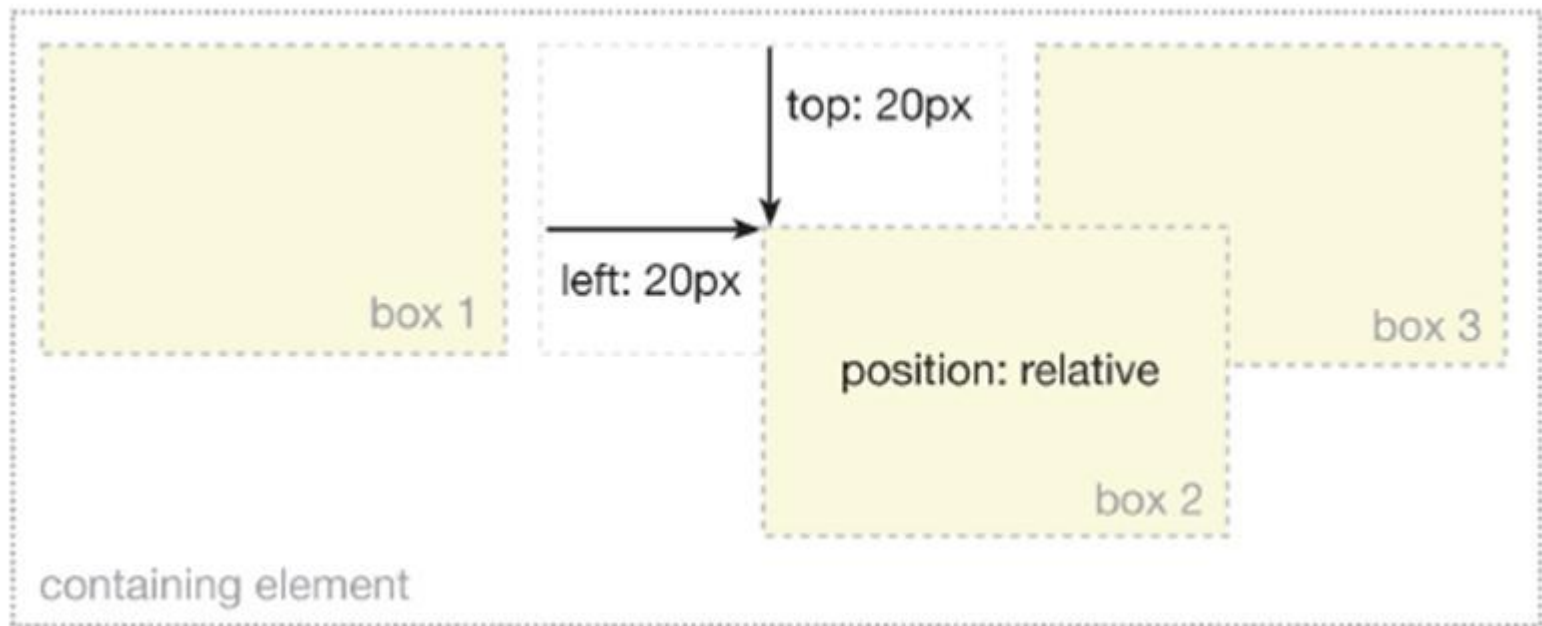
Layout - position

position	Chiếm chỗ	Ý nghĩa
static	✓	Giá trị mặc định không ảnh hưởng bởi top, bottom, left, right
fixed	✗	Cố định vị trí theo trình duyệt, không thay đổi vị trí khi kéo thanh trượt của trình duyệt
relative	✓	Tọa độ của phần tử được tính theo vị trí đứng bình thường của phần tử
absolute	✗	Khi không đặt vị trí của phần tử, phần tử sẽ ở vị trí đứng bình thường và cho phép phần tử khác chiếm chỗ. Tọa độ của phần tử (nếu có) được tính theo phần tử cha đầu tiên có position khác static .

CSS Layout – position:relative



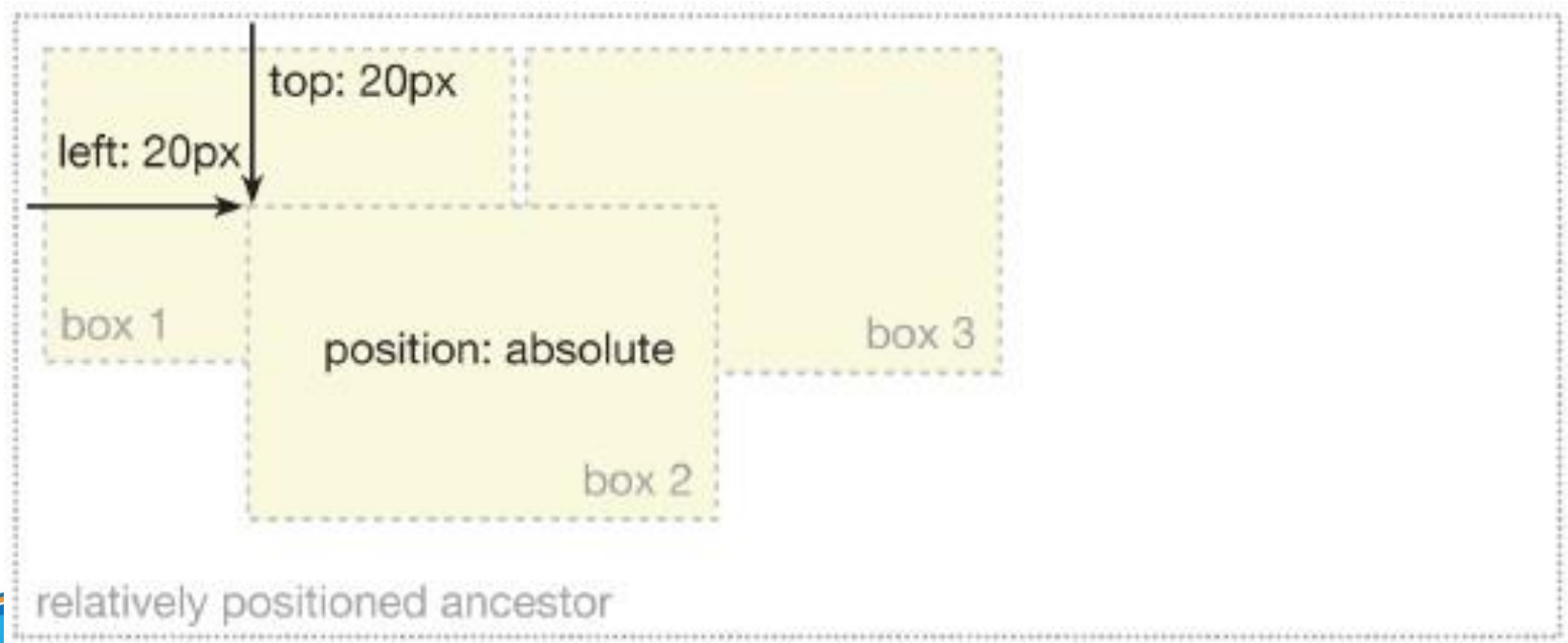
```
#box2 {  
    position: relative;  
    top: 20px;  
    left: 20px;  
}
```



CSS Layout – position:absolute



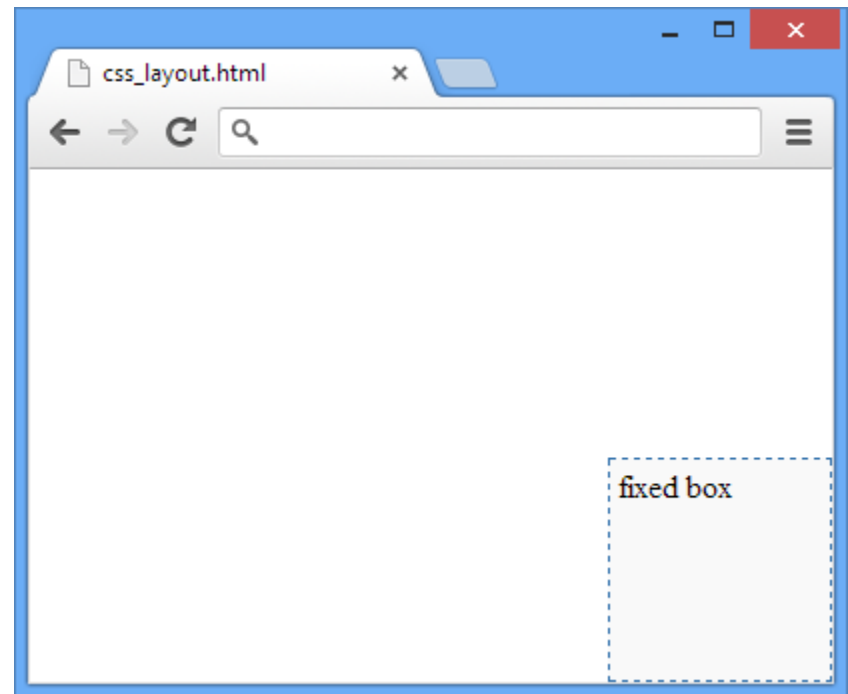
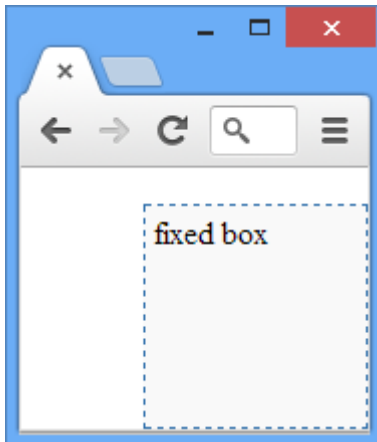
```
#box2 {  
    position: absolute;  
    top: 20px;  
    left: 20px;  
}
```



CSS Layout – position:fixed



```
#fixed {  
    position: fixed;  
    bottom: 0;  
    right: 0;  
}
```

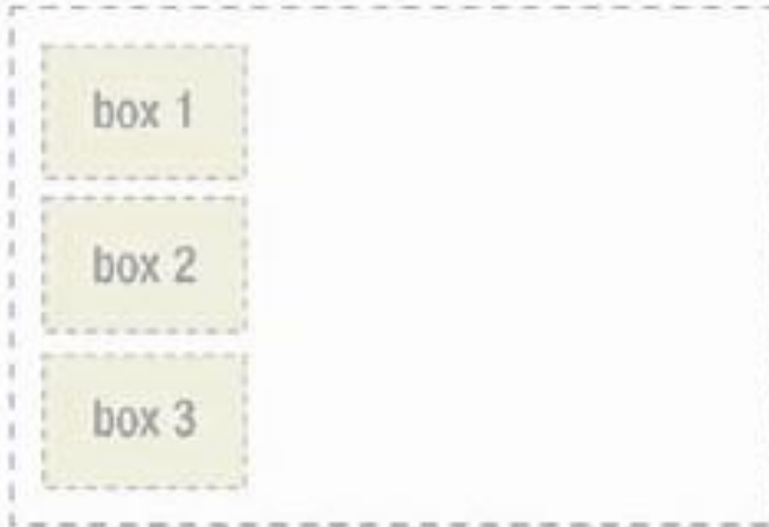


£ Cú pháp

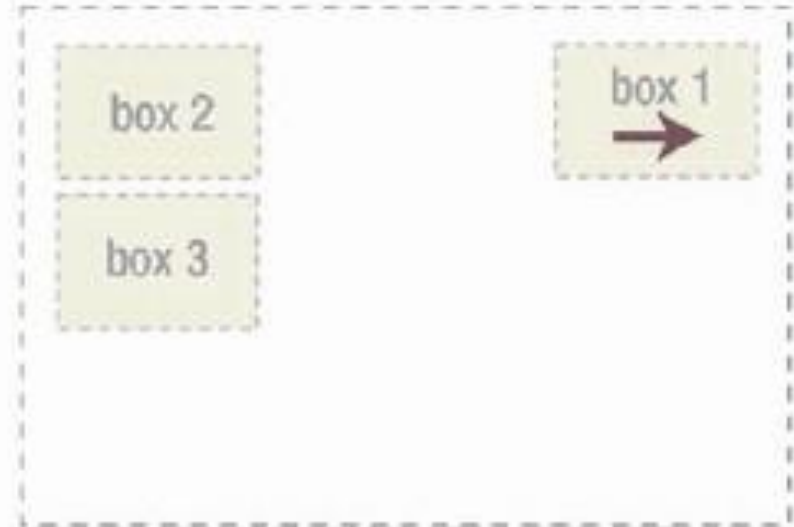
£ Ví dụ

```
float: left | right;
```

No Boxes Floated



Box 1 Floated Right

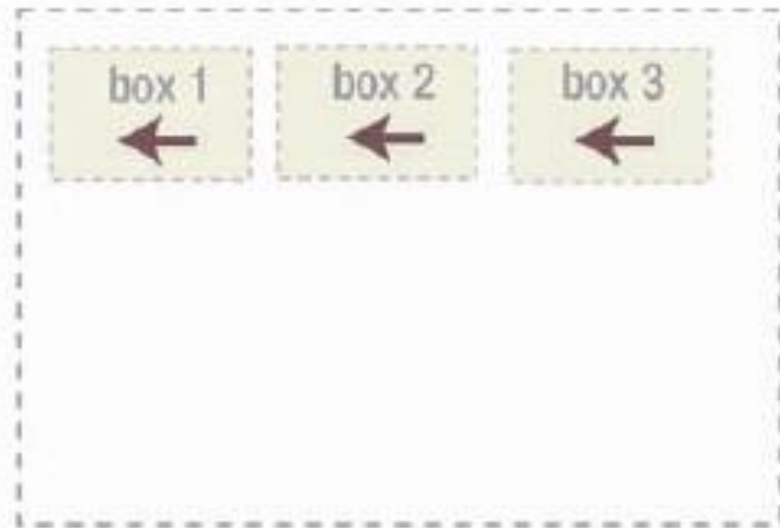


CSS Layout – float

Box 1 Floated Left



All Three Boxes Floated Left



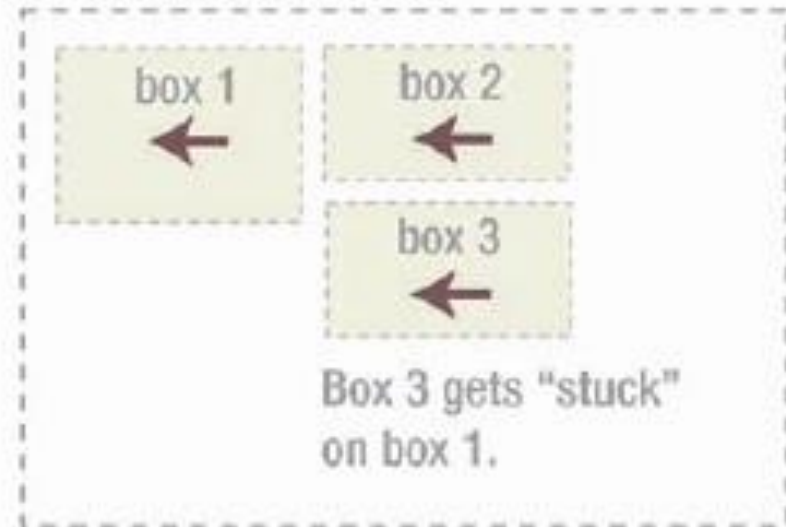
CSS Layout – float



Not Enough Horizontal Space



Different Height Boxes

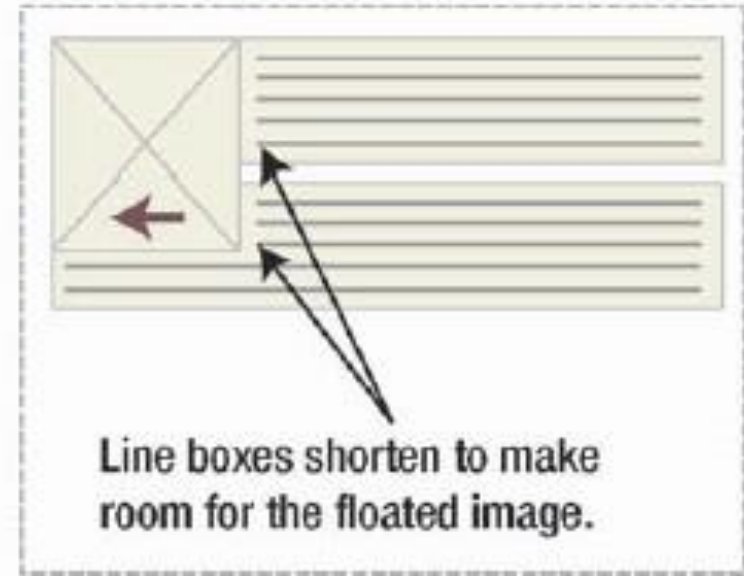


CSS Layout – float

No Boxes Floated



Image Floated Left



CSS Layout – clear

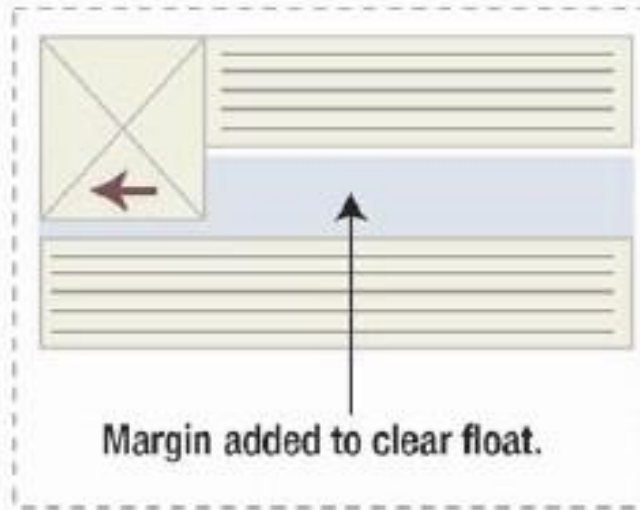
£ Cú pháp

£ Ví dụ

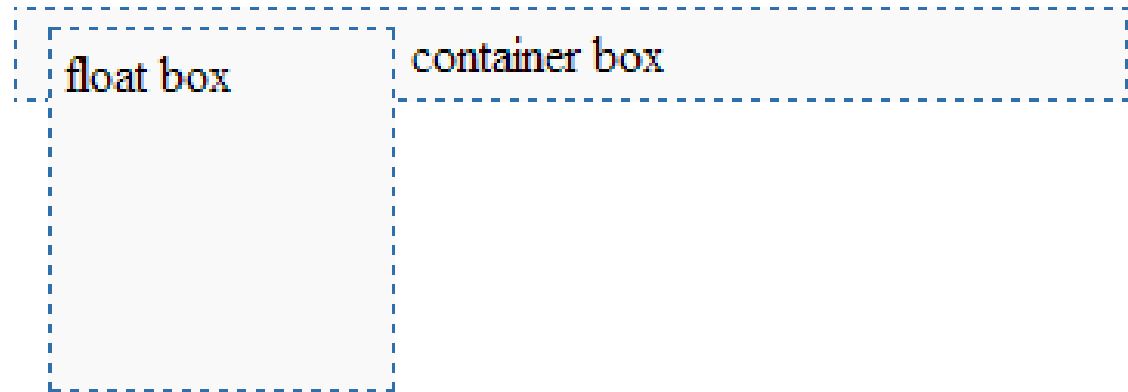
```
clear: left | right | both;
```

```
.clear {  
  clear: both;  
}
```

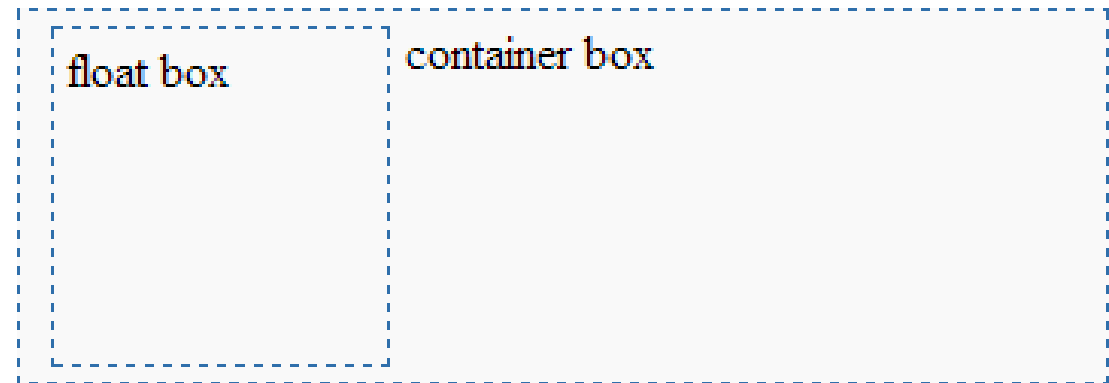
Second Paragraph Cleared



CSS Layout – overflow:auto



```
#container {  
    overflow: auto;  
}
```



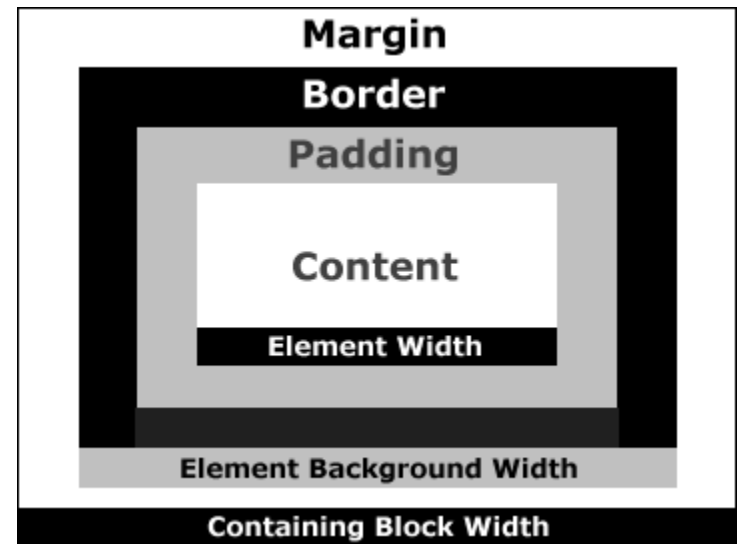
£ Styling

- ❑ Text (color, text-align, text-decoration, text-indent)
- ❑ Font (font-size, font-family, font-style, font-weight)
- ❑ List (list-item-style, list-item-image)
- ❑ Link (a:link, a:visited, a:hover, a:active)
- ❑ Table (border-spacing, border-collapse, text-align, vertical-align)



£ Box Model

- width, height
- padding, margin
- background-color, background-image, background-repeat
- border-style, border-color, border-width



£ Layout

- ☐ display: block | inline | none
- ☐ margin:auto
- ☐ max-width, min-height
- ☐ position: static | relative | fixed | absolute
- ☐ float: left | right
- ☐ clear: left | right | both
- ☐ overflow:auto

