

# Cascading Style Sheets (CSS)





# Introduction to CSS

- CSS stands for Cascading Style Sheets.
- Styles define how to display HTML elements
- There are three ways to apply CSS to HTML:
  - ✓ In-Line Styles
  - ✓ Internal Styles
  - ✓ External Styles



# Introduction to CSS

## In-Line Styles

Styles are directly inserted into the HTML tags  
and applied only on this element

Syntax: ↓

```
<tag style="property: value;">text</tag>
```



# Introduction to CSS

## Internal Styles

Styles are inserted into the head of an HTML page and applied only on this page.

Syntax: ↓

```
<html><head><title>CSS Example</title>
<style>
    Styles Goes here
</style>
</head>
```



# Introduction to CSS

## External Styles

Styles are created in a separate.css file and applied to all the website pages.

Syntax: ↓

Styles Goes here



# Creating External CSS Style



# Creating External CSS Style

- To create an External CSS Style:

- ✓ Create new file with CSS extension (.css)
- ✓ Open the file for editing.
- ✓ Attach the file to the HTML file.
- ✓ Add the CSS rules to the file.



# CSS Syntax



# CSS Syntax

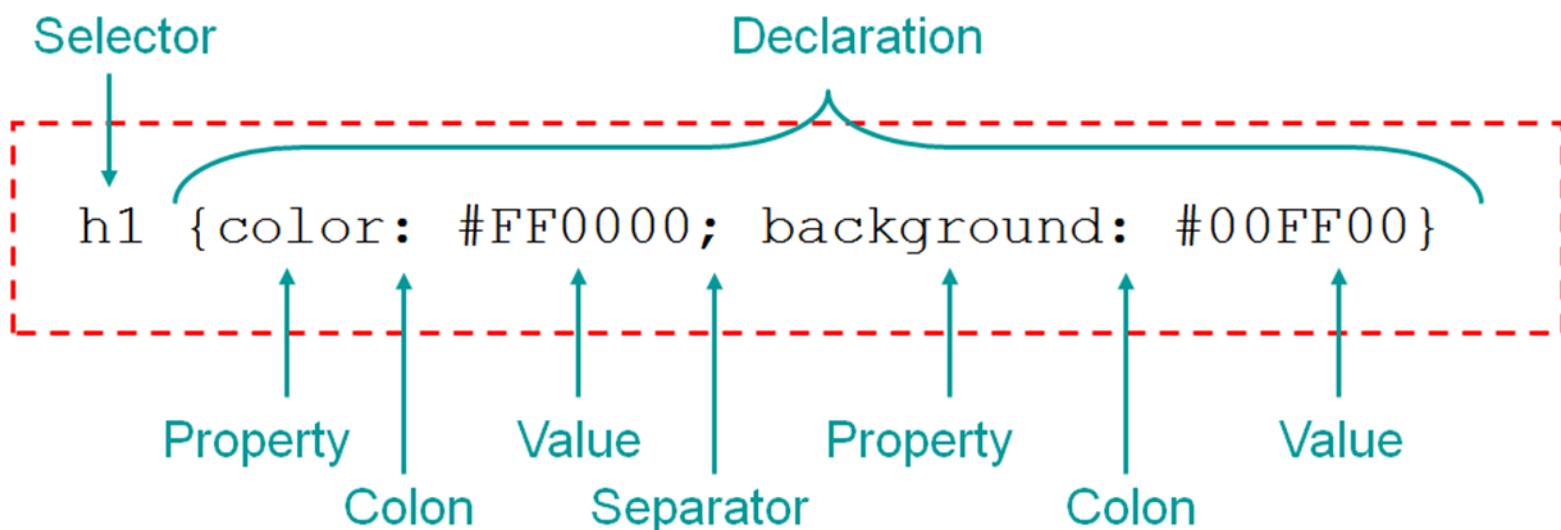
A CSS rule (**syntax**) is composed of:

- ✓ **Selector:** is the HTML tag to be styled.
- ✓ **Property:** is the style attribute.
- ✓ **Value:** is the value of the property.



# CSS Syntax

A CSS rule (syntax) is composed of:





# Selectors, Properties, and Values

There are 3 types of CSS Selectors

- ✓ Tag Selector
- ✓ Class Selector
- ✓ Id Selector



# Selectors, Properties, and Values

## Tag Selector

The tag selector selects elements based on the element tag.

Syntax: 

```
tag
{
    property: value;
}
```

Ex: 

```
h1
{
    color: red;
}
```



# Selectors, Properties, and Values

## Class Selector

The class selector selects elements with a specific class attribute

Syntax: 

```
.classname  
{  
    property: value;  
}
```

Ex: 

```
.intro  
{  
    color:red;  
}
```



# Selectors, Properties, and Values

## Id Selector

The id selector uses the id attribute of an HTML element to select an element.

### Syntax: ↓

```
#id  
{  
    property: value;  
}
```

### Ex: ↓

```
#firstname  
{  
    color:red;  
}
```



# Cascading Order



# Cascading Order

- ✓ What style will be used when there is more than one style specified for the same HTML element?
  1. **Inline style (inside an HTML tag).**
  2. **Internal style sheets (inside the head).**
  3. **External style sheets (CSS separate file).**
  4. **HTML Attribute.**
  5. **Browser default.**



# CSS Background



# CSS Background

## ↓ Background Color

**Description:** specifies the background color of an element

**Property:** { background-color:#b0c4de; }

**Values:** #ff0000 | rgb(255,0,0) | red | transparent

## ↓ Background Image

**Description:** specifies the background image of an element

**Property:** { background-image:url("imge1.gif"); }

**Values:** image path | none



# CSS Background

## ↓ Background Repeat

**Description:** specifies to repeat the background or not

**Property:** { background-repeat:repeat; }

**Values:** repeat | no-repeat | repeat-x | repeat-y

## ↓ Background attachment

**Description:** sets the background image fixed or scrolls

**Property:** { background-attachment:scroll; }

**Values:** scroll | fixed



# CSS Background

## Background position

**Description:** sets the starting position of a background image

**Property:** { background-position:center center; }

**Values:** left top | left center | left bottom |

right top | right center | right bottom |

center top | center center | center bottom |

0% 0% | 10px 200px



# CSS Background

## Background → Shorthand Property

**Description:** sets all the properties of a background in one declaration

**Property:** { background: color image position repeat attachment ; }

**Ex:** background: #000 url(1.jpg) repeat left bottom fixed;



# CSS Colors



# CSS Colors

- Colors in CSS are specified as:
  - Color Names. (supports 140 standard color)  
Ex: Red
  - RGB values. Ex: `rgb(255, 99, 71)`
  - HEX values. Ex: `#ff6347`
  - HSL values. Ex: `hsl(9, 100%, 64%)`
  - RGBA values. Ex: `rgba(255, 99, 71, 0.5)`
  - HSLA values. Ex: `hsla(9, 100%, 64%, 0.5)`



# CSS Text



# CSS Text

## ↓ Text Color

**Description:** used to set the color of the text

**Property:** { color:#b0c4de; }

**Values:** #ff0000 | rgb(255,0,0)

## ↓ Text Align

**Description:** used to set the horizontal alignment of a text

**Property:** {text-align:right; }

**Values:** center | left | right | justify



# CSS Text

## ↓ Text Indentation

**Description:** specify the indentation of the first line of a text

**Property:** {text-indent:50px; }

**Values:** in pixels | 0

## ↓ Text Transformation

**Description:** used to specify case of letters in a text

**Property:** {text-transform:uppercase; }

**Values:** capitalize | lowercase | uppercase | none



# CSS Text

## ↓ Text decoration

**Description:** used to set or remove decorations from text

**Property:** {text-decoration:none; }

**Values:** none | underline | overline | line-through

## ↓ Text Direction

**Description:** specifies the text direction/writing direction

**Property:** {direction:rtl; }

**Values:** ltr | rtl



# CSS Text

## ↓ Letter Spacing

**Description:** Defines an extra space between characters

**Property:** {letter-spacing:2px; }

**Values:** in pixels | normal

## ↓ Line Height

**Description:** specifies the line height

**Property:** {line-height:30px; }

**Values:** In Pixels | normal



# CSS Text

## Word Spacing

**Description:** Increases or decreases the space between words

**Property:** {word-spacing:30px; }

**Values:** In Pixels | normal



# CSS Font



# CSS Font

## ↓ Font Family

**Description:** Specifies the font family for text

**Property:** { font-family:"Times New Roman",Georgia,Serif; }

**Values:** family-name

## ↓ Font Size

**Description:** Specifies the font size of text

**Property:** {font-size:25px; }

**Values:** percent | pixels



# CSS Font

## ↓ Font Style

**Description:** Specifies the font style for text

**Property:** { font-style:italic; }

**Values:** normal | italic | oblique

## ↓ Font weight

**Description:** Specifies the weight of a font

**Property:** { font-weight:bold; }

**Values:** normal | bold | bolder | lighter



# CSS Font

## Font → Shorthand Property

**Description:** sets all the properties of a font in one declaration

**Property:** { font: size weight style family; }

**Ex:** { font: 13px bold italic Arial, Helvetica, sans-serif; }



# CSS Comments



# CSS Comments

- Comments are used to explain the code, and may help when you edit the source code at a later time.
- Comments are ignored by browsers.
- A CSS comment starts with `/*` and ends with `*/`.



# CSS Links



# CSS Links

- **Links can be styled with any CSS property (e.g. color, font-family, background, etc.)**
- **links can be styled differently depending on their state.**



# CSS Links

- The four links states are:
  - ✓ **a:link** - a normal, unvisited link
  - ✓ **a:visited** - a link the user has visited
  - ✓ **a:hover** - a link when the user mouses over it
  - ✓ **a:active** - a link the moment it is clicked
- The order of the four state is case sensitive



# CSS Links

## Example

```
a:link {color:#FF0000;}  
a:visited {color:#00FF00;}  
a:hover {color:#FF00FF;}  
a:active {color:#0000FF;}
```



# CSS Lists



# CSS Lists



## list-style-image

**Description:** Specifies an image as the list-item marker

**Property:** { list-style-image:url('img1.gif'); }

**Values:** image path | none



## list-style-type

**Description:** Specifies the type of list-item marker

**Property:** { list-style-type:circle; }

**Values:** disc | circle | square | decimal | none |  
decimal-leading-zero | lower-alpha | lower-roman |  
upper-alpha | upper-roman



## list-style-position

**Description:** specifies the position of bullets.

**Property:** { list-style-position:inside; }

**Values:** outside | inside



## list-style → Shorthand Property

**Description:** Sets all the list properties in one declaration

**Property:** {

list-style:list-style-type list-style-position list-style-image; }

**Ex:** list-style: square inside url("sqpurple.gif")



# CSS Tables



# CSS Tables

## caption-side

**Description:** Specifies the position of a table caption

**Property:** { `caption-side:bottom;` }

**Values:** top | bottom

## border-collapse

**Description:** Sets whether the table borders are collapsed

into a single border or detached as in standard HTML

**Property:** {`border-collapse:collapse;` }

**Values:** collapse | separate



# CSS Tables

## border-spacing

**Description:** sets the distance between the borders of adjacent cells. (needs border-collapse:separate)

**Property:** { border-spacing:h-space v-space; }

**Values:** h-space: horizontal spacing in pixels.

v-space: vertical spacing in pixels.

Single value: for both in pixel → default: 2px

**Ex:** { border-spacing:5px 5px; }

{ border-spacing:3px; }



# CSS Tables

## ↓ **table-layout**

**Description:** Specify that the column width should increase or not to fit the content size.

**Property:** { **table-layout:fixed;** }

**Values:** auto: Column width fits with the content size.

Fixed: Column width will not change (fixed).

**Default Value:** auto



# CSS Tables

## empty-cells

**Description:** hides the borders and background of empty cells  
in a table. (needs border-collapse:separate)

**Property:** { empty-cells:hide; }

**Values:** Show | hide

**Default Value:** show



# CSS Dimensions



# CSS Dimensions

## Width

**Description:** Sets the width of an element

**Property:** { width:500px; }

**Values:** value in pixels | percentage | auto

## Height

**Description:** Sets the height of an element

**Property:** { height:500px; }

**Values:** value in pixels | percentage | auto



# CSS Dimensions

## ↓ max-height

**Description:** used to set the maximum height of an element.

**Property:** { max-height:500px; }

**Values:** value in pixels | percentage | none

## ↓ min-height

**Description:** defines the minimum height of an element

**Property:** { min-height:500px; }

**Values:** value in pixels | percentage | 0



# CSS Dimensions

## ↓ max-width

**Description:** used to set the maximum width of an element.

**Property:** { max-width:500px; }

**Values:** value in pixels | percentage | none

## ↓ min-width

**Description:** defines the minimum width of an element

**Property:** { min-width:500px; }

**Values:** value in pixels | percentage | 0



# CSS Overflow



# CSS Overflow

## overflow

**Description:** specifies what happens if content overflows an element's box.

**Property:** { overflow:hidden; }

**Values:** visible | hidden | scroll | auto

**Default Value:** visible

**Ex:** div {

    overflow: auto;

}



# CSS Opacity

## ↓ Opacity

**Description:** The opacity property sets the transparency level for an element, it accepts values from 0.0 to 1.0.

The lower value makes the element more transparent.

**Property:** { opacity:0.5; }

**Values:** Number between 0.1 and 1.0

**Default Value:** 1



# CSS Opacity

## Ex: Image Transparency - Hover Effect

```
img
```

```
{  
    opacity:0.4;  
}
```

```
img:hover
```

```
{  
    opacity:1.0;  
}
```



# Box Model



# Box Model

- ✓ In CSS, the term "box model" is used when talking about **design and layout**.
- ✓ All HTML elements is considered as boxes.
- ✓ Box Model consists of: **margins, borders, padding, and the content**.
- ✓ The box model allows to place borders and spaces between elements.



# Box Model

- ✓ **Margin:** The area between the border of an element and the parent element's border. it is completely transparent.
- ✓ **Border:** A border that goes around the padding and the content.
- ✓ **Padding:** The area between the content and the border. The padding is affected by the background color of the box
- ✓ **Content:** The content of the box, where text and images appear.



# Box Model





# CSS Borders



# CSS Borders

## ↓ Border Style

**Description:** used to set the style of the four borders

**Property:** { border-style:solid; }

**Values:** none | dotted | dashed | solid | double | hidden

## ↓ Border Color

**Description:** used to set the color of the four borders

**Property:** { border-color:#ff0000; }

**Values:** #ff0000 | rgb(255,0,0) | red



# CSS Borders

## ↓ border-width

**Description:** used to set the width of the four borders

**Property:** { border-width:3px; }

**Values:** medium | thin | thick | pixels

## ↓ border

**Description:** Sets all the border properties in one declaration

**Property:** { border:5px solid red; }

**Values:** border-width border-style border-color



# CSS Individual Border

## ↓ Individual Border

**Description:** used to set Individual Border of an element

**Properties:**

**{border-left:6px solid red; }**

**{border-bottom:6px solid red; }**

**{border-top:6px solid red; }**

**{border-right:6px solid red; }**



# CSS Rounded Borders

## ↓ border-radius

**Description:** used to add rounded borders to an element

**Property:**

**{border-radius:6px;}**

**Default Value:** 0



# CSS Rounded Borders

## ↓ Individual border-radius

**Description:** used to add rounded border to one corner of an element

**Property:**

{border-bottom-left-radius:6px; }

{border-bottom-right-radius:6px; }

{border-top-left-radius:6px; }

{border-top-right-radius:6px; }



# CSS Margins



# CSS Margins

## ↓ Margin Top

**Description:** Sets the top margin of an element

**Property:** { margin-top:5px; }

**Values:** value in pixels | 0

## ↓ Margin Bottom

**Description:** Sets the bottom margin of an element

**Property:** { margin-bottom:5px; }

**Values:** value in pixels | 0



# CSS Margins

## ↓ Margin Left

**Description:** Sets the left margin of an element

**Property:** { margin-left:5px; }

**Values:** value in pixels | 0

## ↓ Margin Right

**Description:** Sets the right margin of an element

**Property:** { margin-right:5px; }

**Values:** value in pixels | 0



# CSS Margins

## Margin

**Description:** Sets the 4 margins in one declaration

**Property:** { margin:top right bottom left; }

**Ex:** { margin:10px 5px 15px 20px; }

**Default Value:** 0

**Ex:** margin:10px 5px 15px 20px; → (T,R,B,L)

margin:10px 5px 15px; → (T,R and L,B)

margin:10px 5px; → (T and B,R and L)

margin:10px; → (All)



# CSS Margins

## Margin Collapse:

- ✓ Top and bottom margins of elements are collapsed into a single margin that is equal to the largest of the two margins.
- ✓ This does not happen on left and right margins. Only top and bottom margins.



# CSS Padding



# CSS Padding

## ↓ Padding Top

**Description:** Sets the top padding of an element

**Property:** { padding-top:5px; }

**Values:** value in pixels | 0

## ↓ Padding Bottom

**Description:** Sets the bottom padding of an element

**Property:** { padding-bottom:5px; }

**Values:** value in pixels | 0



# CSS Padding

## ↓ Padding Left

**Description:** Sets the left padding of an element

**Property:** { padding-left:5px; }

**Values:** value in pixels | 0

## ↓ Padding Right

**Description:** Sets the right padding of an element

**Property:** { padding-right:5px; }

**Values:** value in pixels | 0



# CSS Padding

## ↓ Padding

**Description:** Sets the 4 paddings in one declaration

**Property:** { padding:top right bottom left; }

**Ex:** { padding:10px 5px 15px 20px; }

**Default Value:** 0

**Ex:** padding:10px 5px 15px 20px; → (T,R,B,L)

padding:10px 5px 15px; → (T,R and L,B)

padding:10px 5px; → (T and B,R and L)

padding:10px; → (All)



# CSS Outline



# CSS Outline

- ✓ An outline is a line that is drawn around elements, outside the borders.
- ✓ The outline is drawn around the element's border, and may overlap other content.
- ✓ The outline is NOT a part of the element's dimensions; the element's total width and height is not affected by the width of the outline.



# CSS Outline

## ↓ Outline Properties

- **outline-style:** specifies the style of the outline
- **outline-color:** used to set the color of the outline
- **outline-width:** specifies the width of the outline
- **outline-offset:** adds space between the outline and the border of an element
- **Outline:** is a shorthand property for outline-width, outline-style and outline-color.



# CSS Outline



Ex:

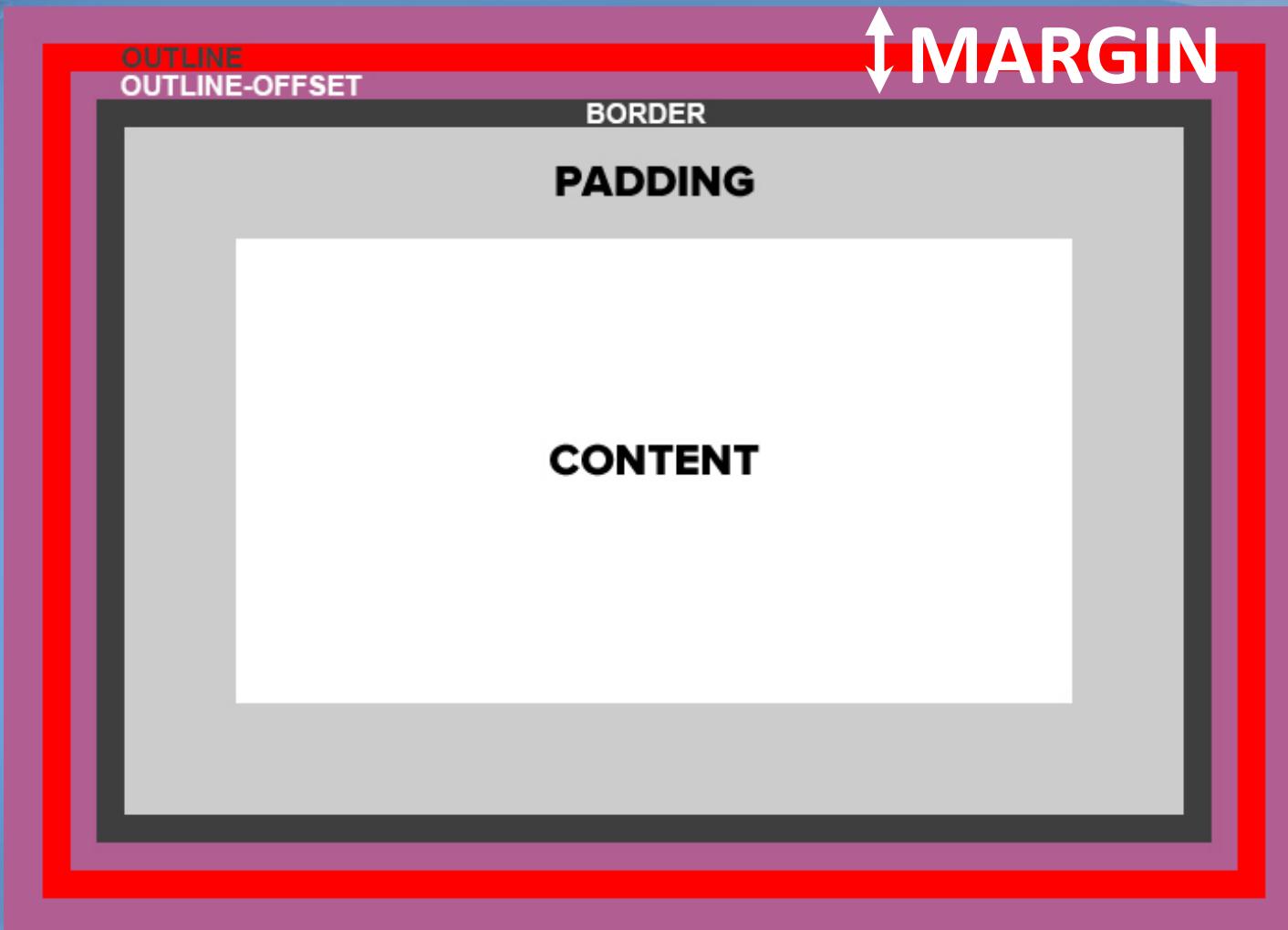
```
{ outline: 10px dashed blue;  
outline-offset: 15px;  
}
```



Same as:

```
{ outline-width: 10px;  
outline-style: dashed;  
outline-color: blue;  
outline-offset: 15px;  
}
```

# CSS Outline





# CSS Float



# CSS Float

- ✓ With CSS float, an element can be fly to the left or right corner of the parent.
- ✓ The other elements will wrap around it.
- ✓ Float is used specially with images and layouts.
- ✓ Elements are floated horizontally
- ✓ The elements before the floating element will not be affected.



# CSS Float

## ↓ Example

```
img
```

```
{
```

```
float:right;
```

```
}
```



# Float Clearing



# Float Clearing

- ✓ Elements after the floating element will flow around it.
- ✓ To avoid this, use the **clear** property.
- ✓ The clear property specifies which sides of an element not to flow.



# Float Clearing

## ↓ Clear Property

**Property:** { clear:right; }

**Values:**

- **right:** don't allow other element to flow to right
- **left:** don't allow other element to flow to left
- **both:** don't allow other element to flow to left or right



# Block and Inline Elements



# Block and Inline Elements

## A block element

- ✓ is an element that takes up the full width available, and has a line break before and after it.
- ✓ Examples of block elements:
  - ✓ <h1>
  - ✓ <p>
  - ✓ <div>
  - ✓ <li>



# Block and Inline Elements

## An inline element

- ✓ Is an element that only takes up as much width as necessary, and does not force line breaks.
- ✓ Does not allow to set a width and height on the element.
- ✓ Top and Bottom margins/paddings are not respected.
- ✓ Examples of inline elements:
  - <span> <a>



# Block and Inline Elements

## Changing How an Element is Displayed

- ✓ Changing an **inline element** to a **block element**, or **vice versa**, is useful for creating new layouts.

↓ Ex

```
li {display:inline;}
```

↓ Ex

```
span {display:block;}
```



# The inline-block Elements

## An inline-block element

- ✓ Inline-block allows to set a width and height on the element.
- ✓ Inline-block respects Top/Bottom margins and paddings.
- ✓ Inline-block does not add line-break after the element, so one element can sit next to another.



# The inline-block Elements

↓ Ex

```
div {  
    display: inline-block;  
    width: 70px;  
    height: 70px;  
    padding: 15px;  
    border: 1px solid blue;  
    background-color: yellow;  
}
```



# CSS Display and Visibility



# CSS Display and Visibility

## Hiding an element

- ✓ Hiding an element can be done by setting the **display** property to "**none**" or the **visibility** property to "**hidden**". However, notice that these two methods produce different results.



# CSS Display and Visibility

- ✓ **visibility:hidden** → hides an element, but it will still take up the same space as before. The element will be hidden, but still affect the layout.



## Example

```
h1 {  
  visibility:hidden;  
}
```



# CSS Display and Visibility

- ✓ **display:none** hides an element, and it will not take up any space. The element will be hidden, and no effect on the layout



## Example

```
h1 {  
display:none;  
}
```



# CSS Positioning



# CSS Positioning

- ✓ The **position** property specifies the type of positioning method used for an element. There are four different position values:
  - **Static Positioning**
  - **Fixed Positioning**
  - **Relative Positioning**
  - **Absolute Positioning**



# CSS Positioning

- ✓ Depending on four other properties:
  - **Top:** sets the top edge of an element to a unit above/below (uses pixels and percent, negative values are allowed, default is auto)
  - **Bottom:** sets the bottom edge of an element to a unit above/below.



# CSS Positioning

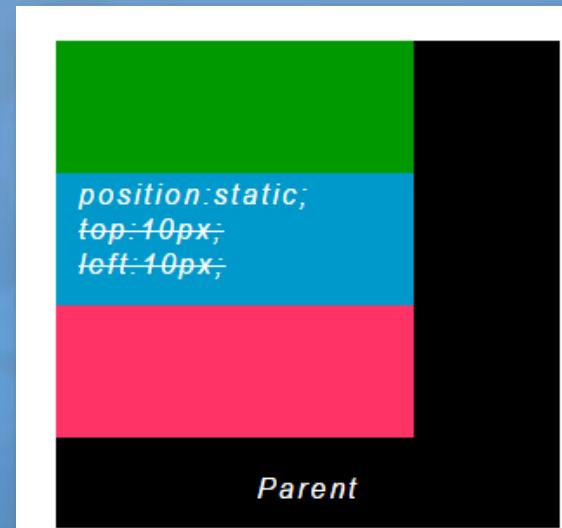
- **Left:** sets the left edge of an element to a unit to the left/right
- **right:** sets the right edge of an element to a unit to the left/right
- ✓ These properties will not work unless the position property is set first, and also will not work with the static position.



# CSS Positioning

## Static Positioning

- ✓ An element with static positioning is always positioned according to the normal flow of the page.
- ✓ **Property:** {position:static;}
- ✓ **Ex:**
  - ✓ { position: static;  
top:10px;  
left:10px; }





# CSS Positioning

## Fixed Positioning

- ✓ An element with fixed positioning is positioned relative to the window, which means it always stays in the same place even if the page is scrolled.



# CSS Positioning

## Fixed Positioning

Property: { position:fixed; }

Ex: {

    position: fixed;

    top:0;

    left:0;

}

```
position:fixed;  
top:0;  
left:0;
```

*Parent*

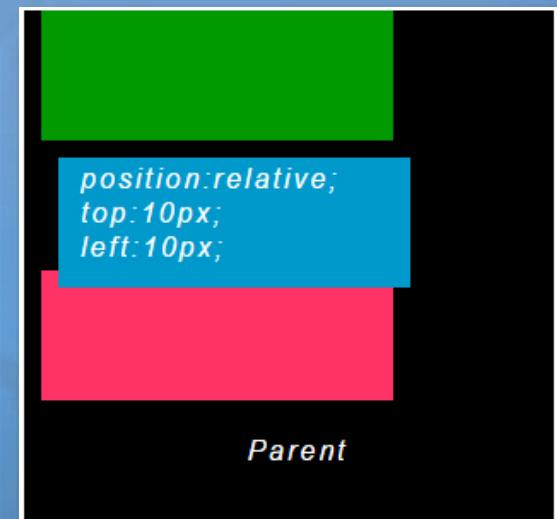


# CSS Positioning

## Relative Positioning

- ✓ An element with relative positioning is positioned relative to its normal position.
- ✓ Property: {position:relative;}
- ✓ Ex: {

```
position: relative;  
top:10px;  
left:10px;  
}
```





# CSS Positioning

## Absolute Positioning

- ✓ An element with absolute positioning is positioned relative to the nearest parent that has “relative position”. If this parent is not found it will use the body.



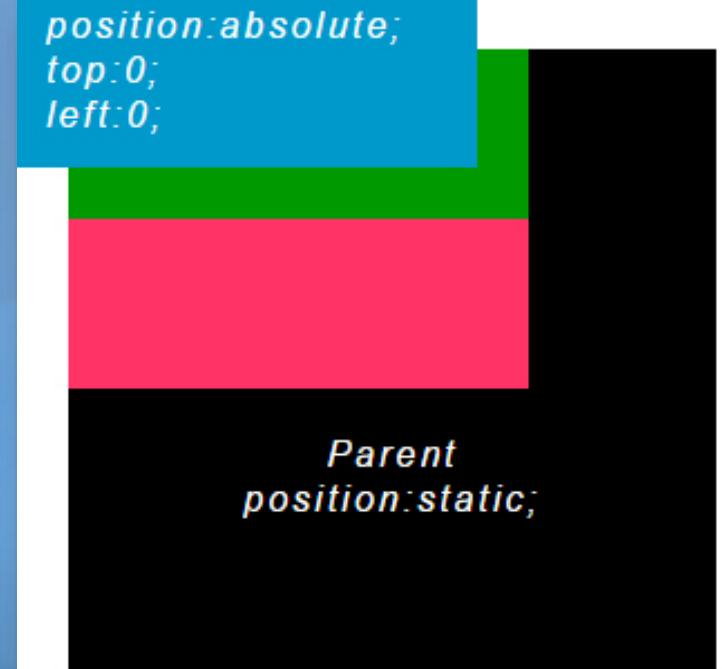
# CSS Positioning

## Absolute Positioning

- ✓ Property: {position: absolute;}
- ✓ Ex 1:

```
.child {  
    position: absolute;  
    left:0;  
    top:0;  
}  
.parent {  
    position: static;  
}
```

```
position: absolute;  
top:0;  
left:0;
```



Parent  
position: static;

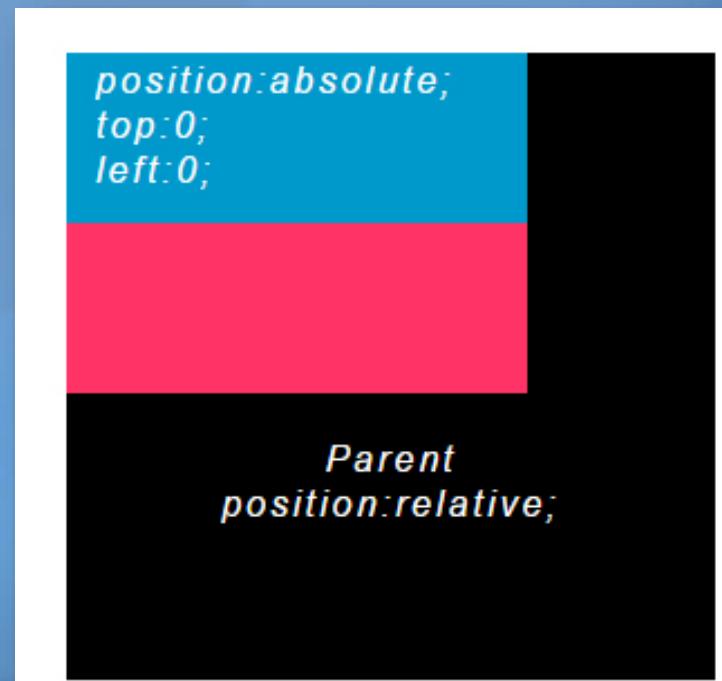


# CSS Positioning

## Absolute Positioning

- ✓ Property: {position: absolute;}
- ✓ Ex 2:

```
.child {  
    position: absolute;  
    left:0;  
    top:0;  
}  
.parent {  
    position: relative;  
}
```



# CSS Z-index

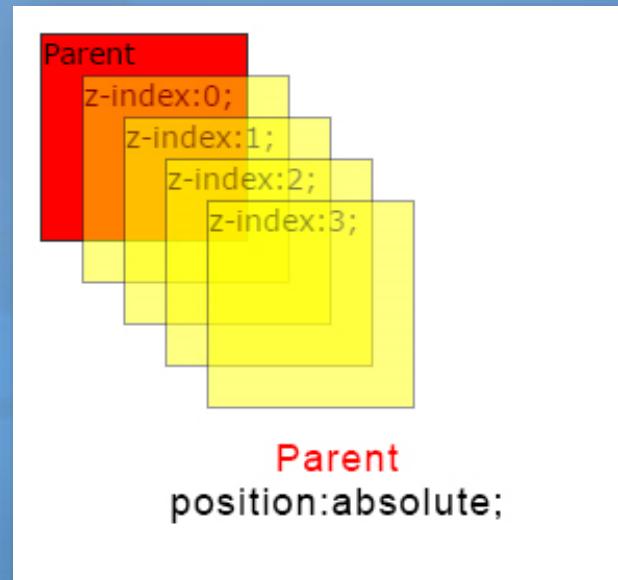
- ✓ Description: Sets the stack order of an element.

Element with greater order is always in front.

**z-index will not work with**

**static positioning.**

- ✓ Property: {z-index:5;}
- ✓ Values: auto | number (+/-)
- ✓ Default Value: auto



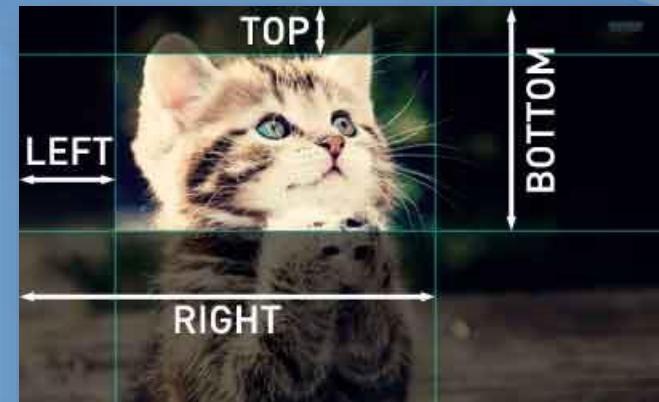


# CSS Clip property

- ✓ specify a rectangle to crop an absolutely positioned element.

This rectangle is specified as four coordinates.

- ✓ Property: auto | rect (top, right, bottom, left)
- ✓ Ex: {clip: rect(0px,25px,25px,0px);}
- ✓ Default Value: auto





# Aligning Block Elements



# Aligning Block Elements

## Center Aligning

- ✓ Block elements can be center-aligned by setting the left and right margins to "auto".
- ✓ Setting the **left** and **right** margins to **auto** specifies that they should split the available margin equally.



# Aligning Block Elements

↓ Ex

.center

{

background-color:#b0e0e6;

width:70%;

margin-left:auto;

margin-right:auto;

}



# Aligning Block Elements

## Left and Right Aligning

- ✓ Block elements can be left and right-aligned by setting the absolute positioning
- ✓ Block elements also can be left and right-aligned by setting the float properties.



# Aligning Block Elements

↓ Ex

```
.right  
{  
    width:300px;  
    background-color:#b0e0e6;  
    position:absolute;  
    right:0px;  
}
```



# Aligning Block Elements

↓ Ex

```
.right
{
    width:300px;
    background-color:#b0e0e6;
    float:right;
}
```



# Grouping Selectors



# Grouping Selectors

- ✓ In style sheets there are often elements with the same style.

```
h1 {color:green;}  
h2 {color:green;}  
p {color:green;}
```

- ✓ To minimize the code, you can group selectors and separate each selector with a comma.

```
h1,h2,p {color:green;}
```



# **CSS** **Combinators**



# CSS Combinators

- ✓ Among the CSS selectors, we can include a combinator.
- ✓ A combinator is something that explains the relationship between the selectors.
- ✓ There are four different combinators in CSS:  
**descendant selector, child selector, adjacent sibling selector, general sibling selector.**



# CSS Combinators

## Descendant Selector (Space)

Selects all elements that are descendants of a specified element.

```
<style>
  div p
  {
    color: red;
  }
</style>
```

```
<div>
  <p>Para 1</p>
  <p>Para 2.</p>
  <span><p>Para3</p></span>
</div>
<p>Para 4</p>
<p>Para 5</p>
```



# CSS Combinators

## Child Selector (>)

Selects all elements that are the immediate (Direct) children of a specified element.

```
<style>
  div > p
  {
    color: red;
  }
</style>
```

```
<div>
  <p>Para 1</p>
  <p>Para 2.</p>
  <span><p>Para3</p></span>
</div>
<p>Para 4</p>
<p>Para 5</p>
```



# CSS Combinators

## adjacent sibling selector (+)

Selects an element that immediately follows a specified element.

```
<style>
  div + p
  {
    color: red;
  }
</style>
```

```
<div>
  <p>Para 1</p>
  <p>Para 2.</p>
  <span><p>Para3</p></span>
</div>
<p>Para 4</p>
<p>Para 5</p>
```



# CSS Combinators

## General Sibling Selector (~)

Selects all elements that are *siblings* of a specified element.

```
<style>
  div ~ p
  {
    color: red;
  }
</style>
```

```
<p>Para 0</p>
<div>
  <p>Para 1</p>
  <p>Para 2.</p>
  <span><p>Para3</p></span>
</div>
<p>Para 4</p>
<p>Para 5</p>
```



# CSS Combinators

- ✓ Used to apply a style for a selector inside a selector.

```
.x1 p  
{ color:white;}
```

- ✓ This code selects the p elements inside elements with class="x1":



# Nesting Selectors

```
#x1 p  
{ color:white;}
```

- ✓ This code selects the p elements inside elements with class="x1":



# CSS cursor

- ✓ **cursor:** Specifies the type of cursor to be displayed.  
**Values →** Crosshair | default | pointer | move |  
e-resize | ne-resize | nw-resize |  
n-resize | se-resize | sw-resize |  
s-resize | w-resize | text | wait help |  
**auto**



# CSS Pseudo Classes



# Aligning Block Elements

## CSS Pseudo Classes

- ✓ CSS pseudo-classes are used to add special effects to some selectors.



# Aligning Block Elements

## CSS Pseudo Classes

Selector	Example	Example description
:link	a:link	Selects all unvisited links
:visited	a:visited	Selects all visited links
:active	a:active	Selects the active link
:hover	a:hover	Selects links on mouse over
:focus	input:focus	Selects the input element which has focus
:first-letter	p:first-letter	Selects the first letter of every <p> element
:first-line	p:first-line	Selects the first line of every <p> element