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CSS Fundamental

CSS is the language we use to style an HTML document

What is CSS

- CSS STANDS FOR CASCADING STYLE SHEET.
- CSS IS USED TO DESIGN HTML TAGS
- CSS IS A WIDELY USED LANGUAGE ON THE WEB

How to add CSS

CSS is added to HTML pages to format the document according to information in the style sheet. There are three ways to insert CSS in HTML documents.

1. Inline CSS
2. Internal CSS
3. External CSS

index.html

```
<p style="color:blue">Hello CSS</p>
```

index.html

```
<style>
   p{color:blue}
</style>
```

index.html

```
<link rel="stylesheet" type="text/css" href="style.css">
```

CSS Syntax

Selector: Selector indicates the HTML element you want to style. It could be any tag like <h1>, <title> etc.

Declaration Block: The declaration block can contain one or more declarations separated by a semicolon.

Property: A Property is a type of attribute of HTML element.

Value: Values are assigned to CSS properties.

CSS Selector

- CSS ELEMENT SELECTOR
- CSS ID SELECTOR
- CSS CLASS SELECTOR
- CSS UNIVERSAL SELECTOR
- CSS GROUP SELECTOR

CSS SELECTOR

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CSS ELEMENT SELECTOR

index.html

```
p{
  text-align: center;
  color: blue;
}
```

CSS CLASS SELECTOR

index.html

```
.center {
    text-align: center;
    color: blue;
}
```

CSS ID SELECTOR

index.html

```
#para1 {
  text-align: center;
  color: blue;
}
```

CSS UNIVERSAL SELECTOR

index.html

```
* {
    color: green;
    font-size: 20px;
}
```

CSS GROUP SELECTOR

index.html

```
h1, h2, p {
    text-align: center;
    color: blue;
}
```

CSS Background Properties

style.css

```
#MyBackground{
    background-color: #b0d4de;
    background-image: url("gradient_bg.png");
    background-repeat: repeat-x;
    background-attachment: fixed;
    background-position: center;
}

```

CSS Border Properties

style.css

```
p.none {border-style: none;}
p.dotted {border-style: dotted;}
p.dashed {border-style: dashed;}
p.solid {border-style: solid;}
p.double {border-style: double;}
p.groove {border-style: groove;}
p.ridge {border-style: ridge;}
p.inset {border-style: inset;}
p.outset {border-style: outset;}
p.hidden {border-style: hidden;}
```

CSS border-radius Properties

style.css

```
#one {
    border-radius: 90px;
    background: lightgreen;
}
#two {
    border-radius: 25% 10%;
    background: orange;
}
#three {
    border-radius: 35px 10em 10%;
    background: cyan;
}
#four {
    border-radius: 50px 50% 50cm 50em;
    background: lightblue;
}
```

CSS Display Properties

style.css

```
p{
  display: inline-block;
}
p{
  display:block;
}
p{
  display: run-in;
}
p{
  display: none;
}
```

CSS Cursor Properties

index.html

```html
<div style = "cursor:alias">alias Value</div>
<div style = "cursor:auto">auto Value</div>
<div style = "cursor:all-scroll">all-scroll value</div>
<div style = "cursor:col-resize">col-resize value</div>
<div style = "cursor:crosshair">Crosshair</div>
<div style = "cursor:default">Default value</div>
<div style = "cursor:copy">copy value</div>
<div style = "cursor:pointer">Pointer</div>
<div style = "cursor:move">Move</div>
<div style = "cursor:e-resize">e-resize</div>
<div style = "cursor:ew-resize">ew-resize</div>
<div style = "cursor:ne-resize">ne-resize</div>
<div style = "cursor:nw-resize">nw-resize</div>
```

Snipped

CSS Cursor Properties

index.html

```html
<div style = "cursor:n-resize">n-resize</div>
<div style = "cursor:se-resize">se-resize</div>
<div style = "cursor:sw-resize">sw-resize</div>
<div style = "cursor:s-resize">s-resize</div>
<div style = "cursor:w-resize">w-resize</div>
<div style = "cursor:text">text</div>
<div style = "cursor:wait">wait</div>
<div style = "cursor:help">help</div>
<div style = "cursor:progress">Progress</div>
<div style = "cursor:no-drop">no-drop</div>
<div style = "cursor:not-allowed">not-allowed</div>
<div style = "cursor:vertical-text">vertical-text</div>
<div style = "cursor:zoom-in">Zoom-in</div>
<div style = "cursor:zoom-out">Zoom-out</div>
```

CSS Float Properties

style.css

```
#img1{
    float: right;
}
#img2{
    float: left;
}
#img3{
    float: initial;
}
#img4{
    float: inherit;
}
```

CSS Font Properties

style.css

```
#MyFont{
    font-size: 40px;
    font-variant: small-caps;
    font-weight:400;
    color: red;
    font-family: 'Courier New', Courier, monospace;
    font-style: italic;
}
```

CSS Hover Properties

style.css

```
.my-buttton{
    background-color: red;
}
.my-buttton:hover{
    background-color: green;
}

```