

# Cascading Style Sheets

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### **What is CSS:-**

- Stand for Cascading Style Sheet.
- CSS is a simple design language intended to simplify the process of making web pages presentable.
- CSS handles the look and feel part of a web page.
- Using CSS, we can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.
- CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document.
- Most commonly, CSS is combined with the markup languages HTML or XHTML.

### **Advantages of CSS:-**

- **CSS saves time** – You can write CSS once and then reuse same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.
- **Pages load faster** – If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.
- **Easy maintenance** – To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
- **Superior styles to HTML** – CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

- **Multiple Device Compatibility** – Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.
- **Global web standards** – Now HTML attributes are being deprecated and it is being recommended to use CSS. So it's a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.
- **Offline Browsing** – CSS can store web applications locally with the help of an offline cache. Using of this, we can view offline websites. The cache also ensures faster loading and better overall performance of the website.
- **Platform Independence** – The Script offer consistent platform independence and can support latest browsers as well.

### History of CSS:-

CSS was invented by Hakon Wium Lie on October 10, 1994 and maintained through a group of people within the W3C called the CSS Working Group.

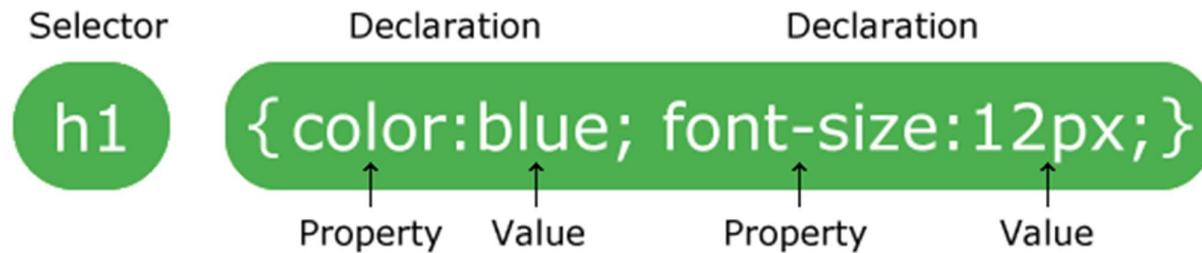
### Versions of CSS:-

- **CSS1** was came out of W3C as a recommendation in December 1996. This version describes the CSS language as well as a simple visual formatting model for all the HTML tags.
- **CSS2** was became a W3C recommendation in May 1998 and builds on CSS1. This version adds support for media-specific style sheets e.g. printers and aural devices, downloadable fonts, element positioning and tables.
- **CSS3** was became a W3C recommendation in June 1999 and builds on older versions CSS. it has divided into documentations is called as Modules and here each module having new extension features defined in CSS2.

### Features of CSS3:-

- Selectors
- Box Model
- Backgrounds and Borders
- Image Values and Replaced Content
- Text Effects
- 2D/3D Transformations
- Animations
- Multiple Column Layout
- User Interface

### Syntax for CSS:-



## Types of CSS:-

Css can be written in three different ways that are outside html file or inside head part of html or inside body part of html.

### 1. **external css:-**

If css codes are written outside html file then it must be save with an extension of “.css” and can be linked with html file by the help of link tag which is a singular tag and after linking we have to run html file only.

Ex:-

#### abc.html

```
<html>
<head>
<title>abc</title>
<link rel="stylesheet" type="text/css" href="xyz.css">
</head>
<body>
<p>welcome to external css</p>
</body>
</html>
```

#### xyz.css

```
p
{
```

```
color:red;  
background:blue;  
}
```

## 2. internal css:-

In case of internal css, css codes are written inside head part of html and must be specified inside style tag which is a paired tag.

Ex:-

```
<html>  
<head>  
<title>abc</title>  
<style type="text/css">  
  
p  
{  
color:red;  
background:indigo;  
}  
</style>  
</head>  
<body>  
<p>welcome to internal css</p>
```

```
</body>
```

```
</html>
```

### 3. **inline css:-**

In case of inline css, css codes are specified inside body of html by the help of “style” sub-tag.

```
<html>
<head>
<title>abc</title>
</head>
<body>
<p style="color:green;background:pink;">welcome to inline css</p>
</body>
</html>
```

### **Selectors in CSS:-**

These are the medium which are used to link html tags with css properties. There are four different ways to select or apply properties to html tags using css, that are:

#### **1.element selectors: -**

If the css codes are applied to html by the help of html tag name as a selector then it is called as element selector. So here html tags are called element selectors.

Ex:-

```
<html>
<head>
<title>abc</title>
<style type="text/css">
p
{
color:red;
background:indigo;
}
</style>
</head>
<body>
<p>welcome to internal css</p>
</body>
</html>
```

## 2. id selectors:-

In this case all html tags which use css must specified with a property called “id” which holds an id name to be used as a selector in css preceded by the help of “#” symbol.

Ex:-

```
<html>
<head>
<title>abc</title>
<style type="text/css">
#a
{
color:red;
background:indigo;
}
</style>
</head>
<body>
<p id="a">welcome to internal css</p>
</body>
</html>
```

### **3. class selectors:-**

In this case all html tags which use css must specified with a property called “class” which holds a class name to be used as a selector in css preceded by the help of “.” symbol.

Ex:-

```
<html>
<head>
<title>abc</title>
<style type="text/css">
.a
{
color:red;
background:indigo;
}
</style>
</head>
<body>
<p class="a">welcome to internal css</p>
</body>
</html>
```

#### **4. pseudo selector:-**

Used for some special events using tags like li,ul,a etc.

Types:-

i. hover

- ii. link
- iii. visited
- iv. active

Ex:-

```
<html>
<head>
<title>abc</title>
<style type="text/css">
a:hover
{
background:red;
}
a:link
{
background:green;
}
a:visited
{
background:blue;
```

```
}
```

```
a:active
```

```
{
```

```
background: pink;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<a href="">pseudo selector</a>
```

```
</body>
```

```
</html>
```

### CSS properties:-

#### 1. color properties:-

Syn:-

i. color:colorname/colorcode/rgb(px1,px2,px3);

#### 2. background properties:-

i.background:colorname/colorcode/rgb(px1,px2,px3)/url('filename.ext');

ii.background-position:right bottom/left top;

iii.background-repeat:no-repeat/repeat;

iv.background-size:pxpx/contain/cover/auto;

v.background-clip:content-box;

vi.background-clip:content-box;

### **3. font properties:-**

i. font-size:per/px/cm/em/pt;

ii. font-style:italic/normal/oblique;

iii. font-weight:bold/100 to 800/normal;

iv. font-family:familynname;

v. font-variant:small-caps/normal;

### **4. text properties:-**

i. letter-spacing:px/per/pt/cm/em;

ii. word-spacing:px/per/pt/cm/em;

iii. line-height:px/per/cm/em/pt;

iv. text-indent:px/per/pt/cm/em;

v. text-align:left/right/center/justify;

vi. text-transform:uppercase/lowercase/capitalize;

vii. text-direction:rtl;

viii. text-shadow:px/pxpx/pxpxcolor;

ix. text-overflow:ellipsis/clip/initial/inherit;

x. text-decoration:underline/blink/underline blink/none/overline/line-through;

**5. classification properties:-**

- i. list-style-type:none/circle/square/upper-roman/lower-alpha;
- ii. list-style-position:outside/inside;
- iii. list-style-image:url('filename.ext');
- iv. display:inline/block/none/inline-block;

**6. box properties:-**

- i. margin:pxpxpxpx; //top right bottom left
- ii. margin:pxpxpx //top right-left bottom
- iii. margin:pxpx; //top-bottom right-left
- iv. margin:px; //top-right-left-bottom
- v. padding:pxpxpxpx;
- vi. margin-left:px/per/pt/cm/em;
- vii. margin-right:px/per/pt/cm/em;
- viii. margin-top:px/per/pt/cm/em;
- ix. margin-bottom:px/per/pt/cm/em;
- x. padding -left:px/per/pt/cm/em;
- xi. padding -right:px/per/pt/cm/em;
- xii. padding -top:px/per/pt/cm/em;

- xiii. padding-bottom:px/per/pt/cm/em;
- xiv. box-shadow:px/pxpx/pxpxpx/pxpxpxpxcolorname;

### **7. border properties:-**

- i. border-color:colorname/colorcode/rgb(px,px,px);
- ii. border-style:none/solid/inset/outset/groove/ridge/dashed/dotted/double/hidden;
- iii. border-radius:per/px/pt/cm/em;
- iv. border-width:medium/px/pxpxpxpx;
- v. border-left:px/per;
- vi. border-right:px/per;
- vii. border-top:px/per;
- viii. border-bottom:px/per;

### **8. position properties:-**

- i.position:relative/static/fixed/absolute/sticky;
- ii.left:px/per;
- iii.right:px/per;
- iv.top:px/per;
- v.bottom:px/per;
- vi.border:px/per;
- vii.height:px/per;

viii.width:px/px;

#### **9. overflow properties:-**

- i.overflow:visible/hidden/scroll/auto;
- ii.overflow-x:visible/hidden/scroll/auto;
- iii.overflow-y:visible/hidden/scroll/auto;

#### **10. animation properties:-**

- i.animation-name:name;
- ii.animation-duration:s;
- iii.animation-delay:s;
- iv.animation-iteration-count:value/infinite;
- v.animation-direction:normal/reverse/alternate/alternate-reverse;
- vi.animation-timing-function:linear/ease/ease-in/ease-out/ease-in-out;
- vii.animation-fill-mode:none/forwards/backwards/both;

Ex:-

```
<html>
<head>
<title>abc</title>
<style>
div
```

```
{  
width: 100px;  
height: 100px;  
background: red;  
animation-name: example;  
animation-duration: 4s;  
}  
  
@keyframes example  
{  
0%{background: red;}  
25%{background: yellow;}  
50%{background: blue;}  
100%{background: green;}  
}  
</style>  
</head>  
<body>  
<div></div>  
</body>
```

```
</html>

Ex:-
<html>
<head>
<title>abc</title>
<style>
div
{
width:100px;
height: 100px;
background: red;
position: relative;
animation-name: example;
animation-duration: 4s;
animation-iteration-count: infinite;
}
@-webkit-keyframes example
{
0%{background-color:red; left:0px; top:0px;}
```

```
25%{background-color:yellow; left:200px; top:0px;}  
50%{background-color:blue; left:200px; top:200px;}  
75%{background-color:green; left:0px; top:200px;}  
100% {background-color:red; left:0px; top:0px;}  
}  
  
@keyframes example  
{  
0%{background-color:red; left:0px; top:0px;}  
25%{background-color:yellow; left:200px; top:0px;}  
50%{background-color:blue; left:200px; top:200px;}  
75%{background-color:green; left:0px; top:200px;}  
100%{background-color:red; left:0px; top:0px;}  
}  
</style>  
</head>  
<body>  
<div></div>  
</body>  
</html>
```

Ex:-

```
<html>
<head>
<title>abc</title>
<style>
div
{
width: 100px;
height: 50px;
background-color: red;
font-weight: bold;
position: relative;
animation: mymove 5s infinite;
}
#div1 {animation-timing-function: linear;}
#div2 {animation-timing-function: ease;}
#div3 {animation-timing-function: ease-in;}
#div4 {animation-timing-function: ease-out;}
#div5 {animation-timing-function: ease-in-out;}
```

```
@keyframes mymove
{
from {left: 0px;}
to {left: 300px;}
}
</style>
</head>
<body>
<div id="div1">linear</div>
<div id="div2">ease</div>
<div id="div3">ease-in</div>
<div id="div4">ease-out</div>
<div id="div5">ease-in-out</div>
</body>
</html>
```

### **11. gradient properties:-**

- i.background: linear-gradient(colorname, colorname);
- ii.background: linear-gradient(to right, colorname , colorname);
- iii.background: linear-gradient(to bottom right, colorname, colorname);

iv.background: linear-gradient(-90deg, colorname, colorname);  
v.background: linear-gradient(colorname,colorname,colorname);  
vi.background: linear-gradient(to right, colorname, colorname,colorname);  
vii.background: linear-gradient(to bottom right, colorname, colorname, colorname, colorname);  
viii.background: linear-gradient(to right, rgba(px,px,px,px), rgba(px,px,px,px));  
ix.background: repeating-linear-gradient(colorname,colornameper, colorname per);  
x.background: radial-gradient(colorname, colorname, colorname);  
xi.background: radial-gradient(colorname per, colorname per, colorname per);  
xii.background: radial-gradient(circle, colorname, colorname, colorname);  
xiii.background: radial-gradient(closest-side at per, pre, colorname, colorname, colorname);  
xiv.background: radial-gradient(farthest-side at per per,colorname, colorname, colorname);  
xv.background: repeating-radial-gradient(colorname, colorname per, colorname per);

Ex:-

```
<html>
<head>
<title>abc</title>
<style>
#grad1
{
```

```
height: 200px;  
background: red;  
background: linear-gradient(red, yellow);  
}  
</style>  
</head>  
<body>  
<div id="grad1"></div>  
</body>  
</html>
```

Ex:-

```
<html>  
<head>  
<title>abc</title>  
<style>  
#grad1  
{  
height: 200px;  
background: red;
```

```
background: linear-gradient(to right, red , yellow);  
}  
</style>  
</head>  
<body>  
<div id="grad1"></div>  
</body>  
</html>
```

Ex:-

```
<html>  
<head>  
<title>abc</title>  
<style>  
#grad1  
{  
height: 200px;  
background: red;  
background: linear-gradient(red, yellow, green);  
}
```

```
#grad2
{
height: 200px;
background: red;
background: linear-gradient(red, orange, yellow, green, blue, indigo, violet);
}

#grad3
{
height: 200px;
background: red;
background: linear-gradient(red 10%, green 85%, blue 90%);
}

</style>
</head>
<body>
<div id="grad1"></div>
<div id="grad2"></div>
<div id="grad3"></div>
</body>
```

```
</html>

Ex:-
<html>
<head>
<title>abc</title>
<style>
#grad1
{
height: 55px;
background: red;
background: linear-gradient(to right, red, orange, yellow, green, blue, indigo, violet);
}
</style>
</head>
<body>
<div id="grad1" style="text-align:center;margin:auto;color:#888888;font-size:40px;font-weight:bold">
</div>
</body>
</html>
```

Ex:-

```
<html>
<head>
<title>abc</title>
<style>
#grad1
{
height: 200px;
background: red;
background: linear-gradient(to right, rgba(255,0,0,0), rgba(255,0,0,1));
}
</style>
</head>
<body>
<div id="grad1"></div>
</body>
</html>
```

Ex:-

```
<html>
```

```
<head>
<title>abc</title>
<style>
#grad1
{
height: 150px;
width: 200px;
background: red;
background: radial-gradient(red, yellow, green);
}
</style>
</head>
<body>
<div id="grad1"></div>
</body>
</html>

Ex:-
<html>
<head>
```

```
<style>
#grad1
{
height: 150px;
width: 200px;
background: red;
background: radial-gradient(red 5%, yellow 15%, green 60%);
}
</style>
</head>
<body>
<div id="grad1"></div>
</body>
</html>

Ex:-
<html>
<head>
<title>abc</title>
<style>
```

```
#grad1
{
height: 150px;
width: 150px;
background: red;
background: radial-gradient (closest-side at 60% 55%, red, yellow, black);
}

#grad2
{
height: 150px;
width: 150px;
background: red;
background: radial-gradient (farthest-side at 60% 55%, red, yellow, black);
}

#grad3
{
height: 150px;
width: 150px;
background: red;
```

```
background: radial-gradient (closest-corner at 60% 55%, red, yellow, black);  
}  
  
#grad4  
{  
height: 150px;  
width: 150px;  
background: red;  
background: radial-gradient (farthest-corner at 60% 55%, red, yellow, black);  
}  
</style>  
</head>  
<body>  
</div>  
<div id="grad2"></div>  
<div id="grad3"></div>  
<div id="grad4"></div>  
</body>  
</html>
```

**12. transform properties: -**

i.transform:translate(px,px);  
ii.transform:rotate(valuedeg)/rotate(-valuedeg);  
iii.transform:scale(value,value);  
iv.transform:skewX(valuedeg);  
v.transform:skewY(valuedeg);  
vi.transform:skew(valuedeg,valuedeg);  
vii.transform:matrix(value,value,value,value,value,value);  
viii.transform:rotateX(valuedeg);  
ix.transform:rotateY(valuedeg);  
x.transform:skewZ(valuedeg);  
<html>  
<head>  
<style>  
div  
{  
width: 300px;  
height: 200px;  
background: yellow;

```
border: 1px solid black;  
}  
  
div#myDiv  
{  
transform: rotate(20deg);  
}  
</style>  
</head>  
<body>  
<div>  
This a normal div element.  
</div>  
<div id="myDiv">  
This div element is rotated clockwise 20 degrees.  
</div>  
</body>  
</html>  
  
Ex:-  
<html>
```

```
<head>
<title>abc</title>
<style>
div
{
width: 300px;
height: 100px;
background: yellow;
border: 1px solid black;
}
div#myDiv
{
transform: skewY(20deg);
}
</style>
</head>
<body>
<div>
```

This a normal div element.

```
</div>  
<div id="myDiv">  
This div element is skewed 20 degrees along the Y-axis.  
</div>  
</body>  
</html>
```

Ex:-

```
<html>  
<head>  
<title>abc</title>  
<style>  
div  
{  
width: 300px;  
height: 100px;  
background-color: yellow;  
border: 1px solid black;  
}  
div#myDiv1
```

```
{  
transform: matrix(1, -0.3, 0, 1, 0, 0);  
}  
  
div#myDiv2  
{  
transform: matrix(1, 0, 0.5, 1, 150, 0);  
}  
</style>  
</head>  
<body>  
<div>  
This a normal div element.  
</div>  
<div id="myDiv1">  
Using the matrix() method.  
</div>  
<div id="myDiv2">  
Another use of the matrix() method.  
</div>
```

```
</body>
```

```
</html>
```

Ex:-

```
<html>
```

```
<head>
```

```
<title>abc</title>
```

```
<style>
```

```
div
```

```
{
```

```
width: 300px;
```

```
height: 100px;
```

```
background-color: yellow;
```

```
border: 1px solid black;
```

```
}
```

```
#myDiv
```

```
{
```

```
transform: rotateZ(90deg);
```

```
}
```

```
</style>
```

```
</head>
<body>
<div>
This a normal div element.
</div>
<div id="myDiv">
This div element is rotated 90 degrees.
</div>
</body>
</html>
```

### **13. transition properties: -**

- i.transition:width s;
- ii.transition:widths,height s;
- iii.transition-timing-function: linear;
- iv.transition-timing-function: ease;
- v.transition-timing-function: ease-in;
- vi.transition-timing-function: ease-out;
- vii.transition-timing-function: ease-in-out;
- viii.transition-delay:s;

ix.transition-duration:s;  
x.transition-property:propertyname;

Ex:-

```
<html>
<head>
<title>abc</title>
<style>
div
{
width: 100px;
height: 100px;
background: red;
transition: width 2s, height 4s;
}
div:hover
{
width: 300px;
height: 300px;
}
```

```
</style>
</head>
<body>
<div></div>
</body>
</html>
```

#### **14. miscellenous properties:-**

- i.float:left/right/none/inherit;
- ii.clear:left/right/none/both/inherit;
- iii.opacity:value; //value must be within 0.0 to 1.0

#### **division tag:-**

it is a paired tag which is used to divide a webpage into number of parts.

Ex:-

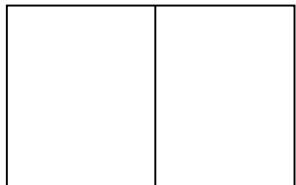


```
<html>
<head>
<title>abc</title>
```

```
<style type="text/css">
#a
{
height:50%;
width:100%;
background:red;
}
#b
{
height:50%;
width:100%;
background:green;
}
</style>
</head>
<body>
<div id="a"></div>
<div id="b"></div>
</body>
```

```
</html>
```

Ex:-



```
<html>
```

```
<head>
```

```
<title>abc</title>
```

```
<style type="text/css">
```

```
#a
```

```
{
```

```
height:100%;
```

```
width:50%;
```

```
background:red;
```

```
float:left;
```

```
}
```

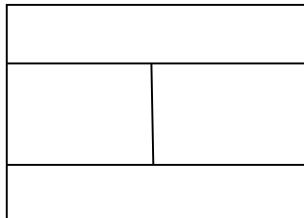
```
#b
```

```
{
```

```
height:100%;
```

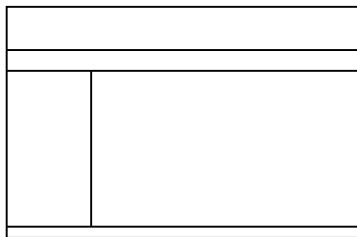
```
width:50%;  
background:green;  
float:left;  
}  
</style>  
</head>  
<body>  
<div class="a"></div>  
<div class="b"></div>  
</body>  
</html>
```

Nested division:-



```
<html>  
<head>  
<title>abc</title>
```

```
</head>  
<body>  
<div style="height:30%;width:100%;background:red;"></div>  
<div style="height:40%;width:100%;">  
<div style="height:100%;width:50%;background:blue;float:left;"></div>  
<div style="height:100%;width:50%;background:pink;float:left;"></div>  
</div>  
<div style="height:30%;width:100%;background:green;float:left;"></div>  
</body>  
</html>
```



```
<html>  
<head>  
<title>abc</title>  
<style type="text/css">
```

```
#header
{
height:28%;
width:100%;
background:red;
}

#menu
{
height:7%;
width:100%;
background:grey;
float:left;
}

#link
{
height:60%;
width:25%;
background:lime;
float:left;
```

```
}
```

```
#section
```

```
{
```

```
height:60%;
```

```
width:75%;
```

```
background:maroon;
```

```
float:left;
```

```
}
```

```
#footer
```

```
{
```

```
height:5%;
```

```
width:100%;
```

```
background:indigo;
```

```
float:left;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div id="header"></div>
```

```
<div id="menu"></div>
<div id="link"></div>
<div id="section"></div>
<div id="footer"></div>
</body>
</html>
```

**Menu design:-**

```
<html>
<head>
<title>abc</title>
<style type="text/css">
#header
{
height:28%;
width:100%;
background:url('logo.jpg');
}
#menu
{
```

```
height:7%;  
width:100%;  
background:grey;  
float:left;  
}  
ul  
{  
list-style-type:none;  
padding:0px;  
margin:0px;  
}  
li  
{  
display:inline;  
margin-left:5px;  
margin-right:5px;  
margin-top:5px;  
margin-bottom:5px;  
padding -left:5px;
```

```
padding-right:5px;  
padding-top:5px;  
padding-bottom:5px;  
background:orange;  
border-radius:10pt;  
border-style:solid inset;  
border-color:black;  
font-size:0.7cm;  
color:white;  
}  
  
li a:hover  
{  
background:yellow;  
}  
  
#link  
{  
height:60%;  
width:25%;  
background:lime;
```

```
float:left;  
}  
p a:hover  
{  
background:red;  
}  
#section  
{  
height:60%;  
width:75%;  
background:maroon;  
float:left;  
}  
#footer  
{  
height:5%;  
width:100%;  
background:indigo;  
float:left;
```

```
color:white;  
font-size:0.4cm;  
}  
</style>  
</head>  
<body>  
<div id="header"></div>  
<div id="menu">  
<ul>  
<li><a href="">home</a></li>  
<li><a href="">contact</a></li>  
<li><a href="">gallery</a></li>  
<li><a href="">blog</a></li>  
<li><a href="">about</a></li>  
<li><a href="">other</a></li>  
</ul>  
</div>  
<div id="link">
```

```
<p style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">library</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">canteen</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">news</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">sports</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">events</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">campus</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">faculty</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">student</a></p>
<pp style="background:magenta;font-size:0.5cm;margin:5px 5px 5px 5px;padding:5px 5px 5px 5px;"><a href="">other</a></p>
</div>
```

```
<div id="section">
<h1 align="center"><u>login info</u></h1>
<center>
<form name="form1" method="POST" action="">
<table height=150 width=250>
<tr>
<td>Enter id:</td><td><input type="text" name="text1" placeholder="enter your id"></td>
</tr>
<tr>
<td>Enter pwd:</td><td><input type="password" name="text2" placeholder="enter your password"></td>
</tr>
<tr>
<td align="center"><input type="button" value="submit" onclick="myvalidate()"></td><td align="center"><input type="button" value="reset"></td>
</tr>
<tr>
<td><input type="checkbox">stay sign-in</td><td align="right"><a href="">forgotten password ?</a></td>
</tr>
</table>
```

```
</form>
</center>
</div>
<div id="footer">
<marquee>this site is designed and maintained by anil</marquee>
</div>
</body>
</html>
```

**Submenu/dropdown menu design:-**

```
<html>
<head>
<style>
.dropbtn
{
background:red;
color:white;
padding:16px;
font-size:16px;
border:none;
```

```
cursor:pointer;  
}  
.dropdown  
{  
position:relative;  
display:inline-block;  
}  
.dropdown-content  
{  
display:none;  
position:absolute;  
background:pink;  
min-width:160px;  
box-shadow:0px 8px 16px 0px cyan;  
}  
.dropdown-content a  
{  
color:black;  
padding:12px 16px;
```

```
text-decoration:none;  
display:block;  
}  
.dropdown-content a:hover  
{  
background:blue;  
}  
.dropdown:hover .dropdown-content  
{  
display:inline;  
}  
.dropdown:hover .dropbtn  
{  
background-color:green;  
}  
</style>  
</head>  
<body>  
<div class="dropdown">
```

```
<button class="dropbtn">Dropdown</button>
<div class="dropdown-content">
<a href="#">Link 1</a>
<a href="#">Link 2</a>
<a href="#">Link 3</a>
</div>
</div>
</body>
</html>
```

**Example of submenu:-**

```
<html>
<head>
<title>abc</title>
<style>
div {
    display: block;
    text-align: center;
}
div ul {
```

```
margin: 0;  
padding: 0;  
list-style: none;  
}  
.div a {  
display: block;  
background: #111;  
color: #fff;  
text-decoration: none;  
padding: 0.8em 1.8em;  
text-transform: uppercase;  
font-size: 80%;  
letter-spacing: 2px;  
text-shadow: 0 -1px 0 #000;  
position: relative;  
}  
.div li {  
position: relative;  
}
```

```
.div > li {  
    float: left;  
    border-bottom: 4px #aaa solid;  
    margin-right: 1px;  
}  
.div > li > a {  
    margin-bottom: 1px;  
    box-shadow: inset 0 2em .33em -0.5em #555;  
}  
.div> li:hover,  
.div > li:hover > a {  
    border-bottom-color: orange;  
}  
.div li:hover > a {  
    color:orange;  
}  
.div > li:first-child {  
    border-radius: 4px 0 0 4px;  
}
```

```
.div > li:first-child > a {  
    border-radius: 4px 0 0 0;  
}  
.div > li:last-child {  
    border-radius: 0 0 4px 0;  
    margin-right: 0;  
}  
.div > li:last-child > a {  
    border-radius: 0 4px 0 0;  
}  
.div li li a {  
    margin-top: 1px;  
}  
.div li a:first-child:nth-last-child(2):before {  
    content: "";  
    position: absolute;  
    height: 0;  
    width: 0;  
    border: 5px solid transparent;
```

```
top: 50% ;  
right:5px;  
}  
.div ul {  
position: absolute;  
white-space: nowrap;  
border-bottom: 5px solid orange;  
z-index: 1;  
left: -99999em;  
}  
.div > li:hover > ul {  
left: auto;  
margin-top: 5px;  
min-width: 100%;  
}  
.div > li li:hover > ul {  
left: 100%;  
margin-left: 1px;  
top: -1px;
```

```
}
```

```
/* arrow hover styling */
```

```
.div> li > a:first-child:nth-last-child(2):before {
```

```
    border-top-color: #aaa;
```

```
}
```

```
.div > li:hover > a:first-child:nth-last-child(2):before {
```

```
    border: 5px solid transparent;
```

```
    border-bottom-color: orange;
```

```
    margin-top:-5px
```

```
}
```

```
.div li li > a:first-child:nth-last-child(2):before {
```

```
    border-left-color: #aaa;
```

```
    margin-top: -5px
```

```
}
```

```
.div li li:hover > a:first-child:nth-last-child(2):before {
```

```
    border: 5px solid transparent;
```

```
    border-right-color: orange;
```

```
    right: 10px;
```

```
}
```

```
</style>
</head>
<body>
<div>
<ul class="div">
<li><a href="#">About</a></li>
<li><a href="#">Portfolio</a>
<ul>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
</ul>
</li>
<li><a href="#">Resume</a>
<ul>
<li><a href="#">item a long submenu</a></li>
<li><a href="#">item</a>
<ul>
```

```
<li><a href="#">Ray</a></li>
<li><a href="#">Veronica</a></li>
<li><a href="#">Bushy</a></li>
<li><a href="#">Havoc</a></li>
</ul>
</li>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
</ul>
</li>
<li><a href="#">Download</a></li>
<li><a href="#">Rants</a>
<ul>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
<li><a href="#">item</a></li>
</ul>
</li>
```

```
<li><a href="#">Contact</a></li>
</ul>
</div>
</body>
</html>
```

**Example of submenu:-**

```
<html>
<body>
<style>
#x
{
list-style:none;
margin:0;
padding:0;
text-align:center;
}
#x li
{
display:block;
```

```
position:relative;  
float:left;  
background:blue;  
}  
#x li a  
{  
display:block;  
padding:0;  
text-decoration:none;  
width:200px;  
line-height:35px;  
color:white;  
}  
#x li li a  
{  
font-size:80%;  
}  
#x li:hover  
{
```

```
background:red;  
}  
#x ul  
{  
position:absolute;  
padding:0;  
left:0;  
display:none;  
}  
#x li:hover ul ul  
{  
display:none;  
}  
#x li:hover ul  
{  
display:block;  
}  
#x li li:hover ul  
{
```

```
display:block;  
margin-left:200px;  
margin-top:-35px;  
}  
</style>  
</head>  
<ul id="x">  
<li><a href="#">Main Item 1</a></li>  
<li><a href="#">Main Item 2</a>  
    <ul>  
        <li><a href="#">Sub Item</a></li>  
        <li><a href="#">Sub Item</a></li>  
        <li><a href="#">SUB SUB LIST »</a>  
            <ul>  
                <li><a href="#">Sub Sub Item 1</a>  
                <li><a href="#">Sub Sub Item 2</a>  
            </ul>  
        </li>  
    </ul>
```

```
</li>
<li><a href="#">Main Item 3</a></li>
</ul>
</body>
</html>
```

*Thank You*