CSS

Cascading Style Sheets

Basics To advance

WEBSITE KA LAYOUT SEKH LENA MJH SE

(any mistake than correct by yourselves)

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Cascading Style Sheets

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Simple CODE:

```
<!DOCTYPE html>
<html>
<head>
     <title></title>
  <link rel="stylesheet" type="text/css" href="index.css">
</head>
<body>
   Muhammad Junaid
  </h2>
</body>
</html>
```

EXTERNAL CSS

```
h2{
    color:yellow;
}
```

SIMPLE CSS INTERNAL:

```
<!DOCTYPE html>
<html>
<head>
     <title></title>
     <style>
       h2{
         color:green;}
     </style>
</head>
<body>
 <h2>
   Muhammad Junaid
  </h2>
</body>
</html>
```

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INLINE CSS:

```
<!DOCTYPE html>
<html>
<head>
     <title></title>
</head>
<body>
 <h2 style="color:green;"> Muhammad Junaid </h2>
</body>
</html>
```

CSS ID and CLASS

- The class selector is used to specify a style for a GROUP of ELEMENT
- The ID selector is used to specify a style for a SINGLE unique ELEMENT

FOR ID:

```
<body>
 <h2 id="myfirstid">
    Muhammad Junaid
   </h2>
</body>
```

```
#myfirstid{
    color:indigo;
}
```

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FOR CLASS:

```
<body>
 <h2 class="myfirstid">
    Muhammad Junaid
   </h2>
</body>
```

```
.myfirstid{
    color:lemonchiffon;
}
```

CSS Background Property

With CSS a color is most often specify by:

- A valid color name-like “green”
- A HEX value-like “#ff0000”
- an RGB value-like “rgb(255,0,0)”

```
<body>
  <div class="backImg">
  </div>
</body>
```

```
*{
    margin: 0;
    padding: 0;                /*UNIVERSAL OPERATOR*\
}
.backImg{
    width:100%;
    height: 100vh;
    background-color: green;
}
```

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```
.backImg{
    width:100%;
    height: 100vh;
    /* background-color: green; */
    background-
image: url('https://upload.wikimedia.org/wikipedia/commons/a/ae/Game
cube-console.jpg');
    background-repeat: non-repeat;        /*repeat ni hoga*/
    background-repeat: repeat-x;          /* horizontal repeat*/
    background-repeat: repeat-y;          /* vertical repeat*/
     background-size: 100% 100%;   /*For CENTAR*/ Bonus CSS3

}
```

Paralence WEBSITE:

```
<body>
  <div class="backImg">
  </div>
  <p>
    CSS is the acronym of “Cascading Style Sheets”. CSS is a computer language fo
r laying out and structuring web pages (HTML or XML). This language contains codi
ng elements and is composed of these “cascading style sheets” which are equally c
alled CSS files (. css).
  </p>
  <div class="backImg1">
  </div>
```

```
.backImg1{
    width:100%;
    height: 100vh;
    /* background-color: green; */
    background-
image: url('https://upload.wikimedia.org/wikipedia/commons/f/f2/HBT_show_grounds.
png');
    /* background-repeat: non-repeat; */
    /* background-repeat: repeat-x; */
    /* background-repeat: repeat-y; */
    background-size: 100% 100%;
    background-attachment: fixed;
```

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GALARY PICS CSS

```
<div class="gallery">
  <a target="_blank" href="shona.jpeg">
    <img src="shona.jpeg" alt="Cinque Terre" width="600" height="400">
  </a>
  <div class="desc">Shona is real princess</div>
</div>

<div class="gallery">
  <a target="_blank" href="Prince.jpeg">
    <img src="Prince.jpeg" alt="Forest" width="600" height="400">
  </a>
  <div class="desc">This is my PIC</div>
</div>

<div class="gallery">
  <a target="_blank" href="purpose.jpeg">
    <img src="purpose.jpeg" alt="Northern Lights" width="600" height="400">
  </a>
  <div class="desc">This is Purposal PICS</div>
</div>

<div class="gallery">
  <a target="_blank" href="DP.jpeg">
    <img src="DP.jpeg" alt="Mountains" width="600" height="400">
  </a>
  <div class="desc">THIS is My DP</div>
```

```
div.gallery {
    margin: 5px;
    border: 1px solid #ccc;
    float: left;
    width: 180px;
  }

  div.gallery:hover {
    border: 1px solid #777;
  }
```

```
div.gallery img {
  width: 100%;
  height: auto;
}

div.desc {
  padding: 15px;
  text-align: center;
}
```

FONT STYLE

```
  <link href="https://fonts.googleapis.com/css2?family=Amatic+SC&family=Open+Sans&display=swap" rel="stylesheet">
</head>
<body>
  <P id="fontcss">MUHAMMAD JUNAID</P>
```

```
#fontcss{
    font-family: 'Open Sans', sans-serif;
    /* font-size: medium; */
    /* font-variant: small-caps;  */
    /* font-size: 2em; */
    /* font-style: italic; */
    font-weight: 900;

}
```

TEXT CSS

```
<body>
  <P id="textcss">MUHAMMAD JUNAID and wellcome to my session</P>
</body>
```

```
#textcss{
    font-family: 'Amatic SC', cursive;
    color: green;
    letter-spacing: 3px;
```

```
    word-spacing: 5px;
    /* direction: rtl; */
    /* direction: inherit; */
    /* direction: ltr; */
    /* text-indent: 20px; */
    text-align: center;
    text-rendering: optimizeLegibility;
}
```

LINKS:

```
<p>
 <b><a href="https://chat.whatsapp.com/Dq9gNtc4dKs8ihNvEJjqP4">links</a></b></p>
 <p>
<b>NOTE</b> you can join this group for studying
 </p>
```

```
a:link{
    color:red;
}
a:visited{
    color:green;
}
a:hover{
    color:yellow;
}
a:active{
    color: blue;
}
```

BORDER CSS

- The properties allow you to specify how the border of the box representing an element should look
- The BORDER-COLOR specifies the color of border
- The BORDER-STYLE specifies whether a border should be solid, dashed, line, double line or one of the other possible values
- The BOREDER-WIDTH specifies the width of the border

- BORDER-RADIUS is bonus… It comes CSS3

```
<body>
    <div class="bordercss"></div>
    </div>
</body>
.bordercss{
    width: 500px;
    height: 300px;
    background-color: red;
    /* border-style: dashed; */
    /* border-color: black; */
    /* border-width: 10px; */
    border:10px dashed black;
    border-radius: 100px;
}
```

LISTS

```
body>
 <ul>
   <li>JUNAID</li>
   <li>PRINCE</li>
   <li>SAHIL</li>
 </ul>
 <ol>
   <li>junaid</li>
   <li>junaid</li>
   <li>junaid</li>
 </ol>
</body>
```

```
ul{
    list-style: square;
    line-height: 30px;
    /* list-style-
image: url(https://upload.wikimedia.org/wikipedia/commons/
f/f2/HBT_show_grounds.png); */
}
ol{
    list-style: upper-alpha;
    /* list-
style: url(https://upload.wikimedia.org/wikipedia/commons/
f/f2/HBT_show_grounds.png); */
}
```

BOXMODEL

```
<div class="prince">
     <labele>username</labele>
     <input type="text" name="";
   </div>
```

```
.prince{
    width: 400px;
    height: 200px;
    background-color: green ;
    /* padding-left: 20px; */
}
input{
    /* padding:10px; */
    /* padding-left: 20px; */
    /* padding-top: 20px; */
    /* padding-bottom: 20px; */
    /* margin-top: 50px; */
    /* margin-bottom: 20px; */
```

```
    /* margin-left: 20px; */
     /* margin: 10px; */
}
```

SCROLL BALL

- **VISIBLE-Allows the content to overflow the border of its containing element**
- **HIDDEN-The content of the nested element is simply cut OFF at the border of the containing element and no SCROBALL is visible.**
- **SCEOLL-The size of the containing element does not change, but the SCROLLBARS are added to allow the user to SCROLL to see the content.**
- **AUTO-The purpose is the same as scroll, but the SCROLLBAL will be shown only if the content does overflow.**

```
 <p>
     Coronaviruses (CoV) are a large family of viruses that cause illness rangin
g from the common cold to more severe diseases such as Middle East Respiratory Sy
ndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-
CoV). A novel coronavirus (nCoV) is a new strain that has not been previously ide
ntified in humans.

Coronaviruses are zoonotic, meaning they are transmitted between animals and peop
le. Detailed investigations found that SARS-
CoV was transmitted from civet cats to humans and MERS-
CoV from dromedary camels to humans. Several known coronaviruses are circulating
in animals that have not yet infected humans.

Common signs of infection include respiratory symptoms, fever, cough, shortness o
f breath and breathing difficulties. In more severe cases, infection can cause pn
eumonia, severe acute respiratory syndrome, kidney failure and even death.
    </p>
```

```
p{
    width: 500px;
    height: 100px;
    border: 5px solid green;
```

```
    /* overflow: hidden; */              EXTRA WORD HIDE
    /* overflow: auto; */                AUTO ROLL RIGHT
    /* overflow: scroll; */              under Auto Roll
}
```

POSITIONING CSS

- A relative positioned element is positioned relative to its normal position.
- An absolute position element is positioned relative to the first parent element that has a position other than static.

```
<div class="parent">
        <div class="child1">Junaid</div>
        <div class="child2">Prince</div>
        <div class="child3">Hania</div>
        <div class="child4">princes</div>
    </div>
```

```
.parent{
    width: 500px;
    height: 300px;
    background-color: green;
    position: relative;                    TAKE PLACE
}
.child1{
        width: 100px;
        height: 60px;
        background-color:red;
        position:absolute;
        left: 0;                           LEFT TOP
}
.child2{
    width: 100px;
    height: 60px;
    background-color:palegoldenrod;
    position:absolute;
    right: 0;                                    RIGHT TOP
```

```
}
.child3{
    width: 100px;
    height: 60px;
    background-color:pink;
    position:absolute;
    bottom: 0;                                  UNDER and LEFT
    left: 0;
}
.child4{
    width: 100px;
    height: 60px;
    background-color:purple;
    position: absolute;
    bottom: 0;                                  UNDER and RIGHT
    right: 0;
}
```

Z-INDEX CSS

- The Z-index property specifies the stack order of an element.
- An element with greater stack order is always in front of an element with a lower stack order.

NOTE:

Z-index only work on a positioned element (position: absolute, position: relative or position fixed)

```
.parent{
    width: 500px;
    height: 300px;
    background-color: green;
```

```
    /* position: relative; */
}
.child1{
        width: 100px;
        height: 60px;
        background-color:red;
        position:absolute;
        /* z-index: 3; */  (TOP par show krwane ke lie)
}
.child2{
    width: 100px;
    height: 60px;
    background-color:palegoldenrod;
    position:absolute;
    /* z-index: 1; */
}
.child3{
    width: 100px;
    height: 60px;
    background-color:pink;
    position:absolute;
    /* z-index: 2; */

}
.child4{
    width: 100px;
    height: 60px;
    background-color:purple;
    position: absolute;
    z-index: 1;
}
```

CSS FLOAT

- LEFT- the element floats to the left of its container
- RIGHT-the element floats to the right of its container

```
<div class="float">
       <div class="logo">junaid</div>
       <div class="menue">Menu
         <!-- <ul>
        <li>PRINCE</li>
        <li>PRINCE</li>
        <li>PRINCE</li>
        </ul> -->
       </div>
     </div>
```

```
.float{
    width: 700px;
    height: 70px;
    background-color: pink;
}
.logo{
    width: 80px;
    line-height: 70px;
    text-align: center;
    background-color: red;
    float: left;
}
.menue{
    width: 80px;
    line-height: 70px;
    background-color: orange;
    float: right;
}
```

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CSS DISPLAY

- The Display property is the most important CSS property fo controlling layout.
- Every HTML element has a default DISPLAY Value depending on what type of ELEMENT it is.
- The default display VALUE for most elements is block or inline.

```
<div class="float">
        <div class="logo">junaid</div>
        <div class="menue">                    menue
          <ul>
         <li>PRINCE</li>
         <li>PRINCE</li>
         <li>PRINCE</li>
         </ul>
        </div>
      </div>
```

```
.float{
    width: 700px;
    height: 70px;
    background-color: pink;
}
.logo{
    width: 80px;
    line-height: 70px;
    text-align: center;
    background-color: red;
    float: left;
}
```

```
.menue{
    width: 600px;
    line-height: 80px;
    background-color: orange;
    float: left;
}
ul{
    list-style: none;
    text-align: right;
    direction: rtl;
}
li{
    /* display: block; */
    /* display: inline; */
    /* display: none; */
    display: inline-block;
    border:2px solid green ;
    padding: 0 30px;        /*(0)Top and Bottom        (30)  left and right*/
}
```

CURSER CSS

```
 <div style="cursor:auto">Auto</div>
      <div style="cursor: col-resize;">l-resize</div>
      <div style="cursor: context-menu;">ntext-menu</div>
      <div style="cursor: crosshair;">rosshair</div>
      <div style="cursor: grabbing;">grabbing</div>
      <div style="cursor: help;">help</div>
```

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BORDER STYLE PROPERTY

```
<h2>The border-style Property</h2>
<p>This property specifies what kind of border to display:
</p>

<p class="dotted">A dotted border.</p>
<p class="dashed">A dashed border.</p>
<p class="solid">A solid border.</p>
<p class="double">A double border.</p>
<p class="groove">A groove border.</p>
<p class="ridge">A ridge border.</p>
<p class="inset">An inset border.</p>
<p class="outset">An outset border.</p>
<p class="none">No border.</p>
<p class="hidden">A hidden border.</p>
<p class="mix">A mixed border.</p>
```

```
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.none {border-style: none;}
p.hidden {border-style: hidden;}
p.mix {border-style: dotted dashed solid double;
}
```

```
  <p class="one">junaid</p>
  <p class="two">junaid.</p>
  <p class="three">junaid.</p>
  <p class="four">junaid.</p>
  <p class="five">junaid.</p>
  <p class="six">junaid</p>
  <p><b>Note:</b> The "border-
width" property does not work if it is used alone.
  Always specify the "border-
style" property to set the borders first.</p>
```

```
p.one {
  border-style: solid;
  border-width: 5px;
}

p.two {
  border-style: solid;
  border-width: medium;
}

p.three {
  border-style: dotted;
  border-width: 2px;
}

p.four {
  border-style: dotted;
  border-width: thick;
}

p.five {
  border-style: double;
  border-width: 15px;
}

p.six {
```

```
  border-style: double;
  border-width: thick;
                                    }
```

BORDER COLOR

```
p.one {
  border-style: solid;
  border-color: red;
}

p.two {
  border-style: solid;
  border-color: green;
}

p.three {
  border-style: dotted;
  border-color: blue;
}
```

```
<h2>Individual Border Sides</h2>
  <p class="four">4 different border styles.</p><br>
  <p class="three">3 different border styles.</p><br>
  <p class="two">2 different border styles.</p><br>
  <p class="one">1 border style.</p><br>
```

```
body {
  text-align: center;
}
/* Four values */
p.four {
  border-style: dotted solid double dashed;
}

/* Three values */
p.three {
  border-style: dotted solid double;
}
```

```
/* Two values */
p.two {
  border-style: dotted solid;
}

/* One value */
p.one {
  border-style: dotted;
}
```

BORDER SHADED

```
p {
  border-bottom: 6px solid red;
  background-color: lightgrey;
}
```

ROUNDED BORDER

```
 <p class="normal">Normal border</p>
  <p class="round1">Round border</p>
  <p class="round2">Rounder border</p>
  <p class="round3">Roundest border</p>
```

```
p.normal {
  border: 2px solid red;
}

p.round1 {
  border: 2px solid red;
  border-radius: 5px;
}

p.round2 {
  border: 2px solid red;
  border-radius: 8px;
}

p.round3 {
  border: 2px solid red;
```

```
  border-radius: 12px;
}
```

MARGIN

```
<div>I'm a good Boy</div>
```

```
div {
  border: 5px solid black;
  margin-top: 100px;
  margin-bottom: 100px;
  margin-right: 150px;
  margin-left: 100px;
  background-color: pink;
}
```

CSS PADDING

```
div {
  border: 1px solid black;
  background-color: lightblue;
  padding-top: 50px;
  padding-right: 30px;
  padding-bottom: 50px;
  padding-left: 80px;
  padding: 70px;
  border: 1px solid #4CAF50;
}
```

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BOX MODEL

```
div {
  background-color: lightgrey;
  width: 300px;
  border: 15px solid green;
  padding: 50px;
  margin: 20px;
}
```

WIDTH and HEIGHT of ELEMENT

```
 <img src="DP.jpeg" width="350" height="263" alt="Klematis">
<div>The picture above is 350px wide. The total width of this element is also 350 px.</div>
```

```
div {
  width: 320px;
  padding: 10px;
  border: 5px solid gray;
  margin: 0;
                                    }
```

OUTLINE OFF SET

```
p {
  margin: 30px;
  background:yellow;
  border: 1px solid black;
  outline: 1px solid red;
   outline-offset: 15px;
}
```

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TEXT COLOR with LINKS

```
 <div>
    <h1>text formatting</h1>
    <p>This is my study program
    <a target="_blank" href="https://chat.whatsapp.com/HLD
ldU9XzJh6EVpQkH6ufs">"AL-JUNAID INSTITUTE"</a> link.</p>
  </div>
```

```
div {
  border: 1px solid gray;
  padding: 8px;
}

h1 {
  text-align: center;
  text-transform: uppercase;
  color: #4CAF50;
}

p {
  text-indent: 50px;
  text-align: justify;
  letter-spacing: 3px;
}

a {
  text-decoration: none;
  color: #008CBA;
}
```

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TEXT TRANSFORMATION

```
*{
  margin: 0;
  padding: 0;
}
h1 {
  text-decoration: overline;
}

h2 {
  text-decoration: line-through;
}

h3 {
  text-decoration: underline;
}
```

TEXT SHADOW

```
h1 {
  /* text-shadow: 2px 2px 5px red; */
  text-shadow: 2px 2px red;
}
```

INLINE BLOCK

```
<h1>The display Property</h1>

  <h2>display: inline</h2>
  <div>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum conseq
uat scelerisque elit sit amet consequat. Aliquam erat volutpat. <span class="a">
    MUHAMMD
  </span> <span class="a">JUNAID</span> gravida nisl sit amet facilisis. Nullam c
ursus fermentum velit sed laoreet. </div>

  <h2>display: inline-block</h2>
  <div>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum conseq
uat scelerisque elit sit amet consequat. Aliquam erat volutpat. <span class="b">
    JUNAID
  </span> <span class="b">PRINCE</span> gravida nisl sit amet facilisis. Nullam c
ursus fermentum velit sed laoreet. </div>
```

```
  <h2>display: block</h2>
  <div>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vestibulum conseq
uat scelerisque elit sit amet consequat. Aliquam erat volutpat. <span class="c">
    JUNAID
  </span> <span class="c">
    PRINCE
  </span> gravida nisl sit amet facilisis. Nullam cursus fermentum velit sed laor
eet. </div>
```

```
span.a {
  display: inline; /* the default for span */
  width: 100px;
  height: 100px;
  padding: 5px;
  border: 1px solid blue;
  background-color: yellow;
}

span.b {
  display: inline-block;
  width: 100px;
  height: 100px;
  padding: 5px;
  border: 1px solid blue;
  background-color: yellow;
}

span.c {
  display: block;
  width: 100px;
  height: 100px;
  padding: 5px;
  border: 1px solid blue;
  background-color: yellow;
}
```

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CENTER AN IMMAGE

```
<img src="Prince.jpeg" alt="shona" style=
"width:30%">
```

```
img {
  display: block;
   margin-left: auto;
  margin-right: auto;
  border-radius: 20%;
}
```

The clearfix Hack

```
  <div>
    <img class="img1" src="shona.jpeg" alt="shona" width="170" height="170">
    SHONA MY LOVE
  </div>

  <p style="clear:right">Add a clearfix class with overflow: auto; to the contain
ing element, to fix this problem:</p>

  <div class="clearfix">
    <img class="img2" src="shona.jpeg"" alt="shona" width="170" height="170">
    Shona MY PRINCESS
  </div>
```

```
div {
  border: 3px solid #4CAF50;
  padding: 5px;
}

.img1 {
  float: right;
}

.clearfix::after {
```

```
  content: "";
  clear: both;
  display: table;
}

.img2 {
  float: right;
}
```

Descendant Selector

```
<div>
  <p>Paragraph 1 in the div.</p>
  <p>Paragraph 2 in the div.</p>
</div>

<p>Paragraph 3. After a div.</p>
<p>Paragraph 4. After a div.</p>

<div>
  <p>Paragraph 5 in the div.</p>
  <p>Paragraph 6 in the div.</p>
</div>

<p>Paragraph 7. After a div.</p>
<p>Paragraph 8. After a div.</p>
```

```
div p {
  background-color: yellow;
}
```

Adjacent Sibling Selector (+)

```
div+p {
  background-color: yellow;
}
```

Child Selector (>)

```
div > p {
  background-color: yellow;
}
```

General Sibling Selector (~)

```
div ~ p {
  background-color: yellow;
}
```

Hover on

```
div {
  background-color: green;
  color: white;
  padding: 25px;
  text-align: center;
}

div:hover {
  background-color: rgb(255, 102, 0);
}
```

Simple Tooltip Hover

```
        <div>
                VIRTUAL UNIOVERSITY OF PAKISTAN

 <p>THIS IS STUDY GROU:</p>
 <a href="https://chat.whatsapp.com/BkPKyOkP7eo64KJFZJdaQH">AL-JúÑàÏD Institute grup1</a>
</div>
```

```
p {
  display: none;
  background-color:green;
  padding: 20px;
  text-align: center;
  font-size: xx-large;
}
div:hover p {
  display: block;
}
```

```
p {
  display: inline-flex;
  background-color:green;
  padding: 20px;
  text-align: center;
  font-size: xx-large;
}
div:hover p {
  display: block;
}
```

first-child Pseudo-class

```
p:first-child{
  color: blueviolet;
}
```

The first <i> element in all <p>

```
p i:first-child{
  color: rgb(250, 215, 220);
}
```

```
<p>MY name is<i>junaid</i>MY name is<i>junaid</i></p>
```

ALL <i>

```
p:first-child i {
  color: blue;
}
```

The ::first-line Pseudo-element

```
<p>  Each person has different hobbies, and doing different things gives them joy. Baking is something that gives me comfort and helps me relax. I tried baking after entering college. At first, it was a little stressful, but then I started learning more and more. After a hectic day at college, it helps to relax you. Another thing that helps me relax is reading books. I started reading books when I was in school, and over the years, the habit is something that has helped me learn a lot.</p>
```

```
p::first-line {
  color: #ff0000;
  font-variant: small-caps;
}
```

The ::first-letter Pseudo-element

```
p::first-letter {
  color: #ff0000;
  font-size: xx-large;
}
```

Pseudo-elements and CSS Classes

```
 p.intro::first-letter{
  color: rgb(238, 140, 11);
 }
```

Multiple Pseudo-elements

```
 p::first-letter{
   color: red;
 }
 p::first-line{
   color: blue;
 }
```

::before Pseudo-element

```
 h1::before{
    content: url(smile.jpg);
 }
```

::after Pseudo-element

```
h1::after{
    content: url(smile.jpg);
}
```

::marker Pseudo-element

```
::marker{
  color: blue;
}
```

```
<ul>
        <li>JUNAID</li>
        <li>JUNAID</li>
        <li>JUNAID</li>
</ul>
<ol>
        <li>HANIA</li>
        <li>HANIA</li>
        <li>HANIA</li>
</ol>
```

Transparent Hover Effect

```
img:hover{
   opacity: 0.5;
}
```

Transparent Hover Effect

```
img {
  opacity: 0.5;
}

img:hover {
  opacity: 1.0;
}
```

Text in Transparent Box

```
div.background {
  background: url(rose.jpeg) repeat;
  border: 2px solid black;
}

div.transbox {
  margin: 30px;
  background-color: #ffffff;
  border: 1px solid black;
  opacity: 0.6;
}

div.transbox p {
  margin: 5%;
  font-weight: bold;
  color: #000000;
}
<div class="background">
```

```
                <div class="transbox">
                  <p>THIS IS ROSE PIC.</p>
                </div>
              </div>
```

Navigation Bar = List of Links

```
 <ul>
              <li><a href="#https://chat.whatsapp.com/BkPKyOkP7eo64K
JFZJdaQH">Study GROUP 1st</a></li>
              <li><a href="#https://chat.whatsapp.com/BkPKyOkP7eo64K
JFZJdaQH">Study GROUP 1st</a></li>
            </ul>
```

Vertical Navigation Bar

```
 <ul>
              <li><a href="#JUNAID GROUP">GROUP </a></li>
              <li><a href="#JUNAID GROUP">GROUP</a></li>
            </ul>
```

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
}

li a {
  display: block;
  width: 60px;
  background-color: #dddddd;
}
```

Vertical Navigation Bar (div)

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 200px;
  background-color: #f1f1f1;
}

li a {
  display: block;
  color: #000;
  padding: 8px 16px;
  text-decoration: none;
}
li a:hover {
  background-color: #555;
  color: white;
}
```

Active/Current Navigation Link

```
 <ul>
              <li><a class="active" href="#JUNAID GROUP">GROUP
</a></li>
              <li><a href="#JUNAID GROUP">1</a></li>
              <li><a href="#JUNAID GROUP">2 </a></li>
              <li><a href="#JUNAID GROUP">3</a></li>
            </ul>
```

```css
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 200px;
  background-color: #f1f1f1;
}

li a {
  display: block;
  color: #000;
  padding: 8px 16px;
  text-decoration: none;
}

li a.active {
  background-color: #4CAF50;
  color: white;
}

li a:hover:not(.active) {
  background-color: #555;
  color: white;
}
```

Center Links & Add Borders

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 200px;
  background-color: #f1f1f1;
  border: 1px solid #555;
}

li a {
  display: block;
  color: #000;
  padding: 8px 16px;
  text-decoration: none;
}

li {
  text-align: center;
  border-bottom: 1px solid #555;
}

li:last-child {
  border-bottom: none;
}

li a.active {
  background-color: #4CAF50;
  color: white;
}

li a:hover:not(.active) {
  background-color: #555;
  color: white;
}
```

Full-height Fixed Vertical Navbar

```
<ul>
              <li><a class="active" href="#JUNAID GROU
P">GROUP </a></li>
              <li><a href="#JUNAID GROUP">1</a></li>
              <li><a href="#JUNAID GROUP">2 </a></li>
              <li><a href="#JUNAID GROUP">3</a></li>
            </ul>
            <div style="margin-
left:25%;padding:1px 16px;height:1000px;">

              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
              <p>Study GROUP..</p>
            </div>
```

```css
body {
  margin: 0;
}

ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  width: 25%;
  background-color: #f1f1f1;
  position: fixed;
  height: 100%;
  overflow: auto;
}

li a {
  display: block;
  color: #000;
  padding: 8px 16px;
  text-decoration: none;
}

li a.active {
  background-color: #4CAF50;
  color: white;
}

li a:hover:not(.active) {
  background-color: #555;
  color: white;
}
```

Inline List Items

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
}
li {
  display: inline;
}
```

Floating List Items

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
}

li {
  float: left;
}

li a {
  display: block;
  padding: 8px;
  background-color: #dddddd;
}
```

```css
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #dddddd;
}

li {
  float: left;
}

li a {
  display: block;
  padding: 8px;
}
```

Horizontal Navigation Bar

```css
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover {
  background-color: #111;
}
```

Active/Current Navigation Link

```
 <ul>
              <li><a class="active" href="#JUNAID GROUP">GROUP</a></
li>
              <li><a href="#JUNAID GROUP">1</a></li>
              <li><a href="#JUNAID GROUP">2 </a></li>
              <li><a href="#JUNAID GROUP">3</a></li>
            </ul>
```

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover:not(.active) {
  background-color: #111;
}

.active {
  background-color: #4CAF50;
}
```

Right-Align Links

```
<ul>
              <li><a href="#home">1</a></li>
              <li><a href="#news">2</a></li>
              <li><a href="#contact">3</a></li>
              <li style="float:right"><a class="active" href="#
about">GROUP</a></li>
            </ul>
```

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover:not(.active) {
  background-color: #111;
}

.active {
  background-color: #4CAF50;
}
```

Border Dividers

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
  border-right:1px solid #bbb;
}

li:last-child {
  border-right: none;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover:not(.active) {
  background-color: #111;
}

.active {
  background-color: #4CAF50;
}
```

```
<li><a class="active" href="#home">1</a></li>
              <li><a href="#news">2</a></li>
              <li><a href="#contact">3</a></li>
              <li style="float:right"><a  href="#about">3</a></li>
            </ul>
```

Fixed Navigation Bar (TOP & BOTTOM)

```
<ul>
              <li><a class="active" href="#home">1</a></li>
              <li><a href="#news">2</a></li>
              <li><a href="#contact">3</a></li>
              <li style="float:right"><a  href="#about">3</a></li>
            </ul>
            <div style="padding:20px;margin-top:30px;background-
color:#1abc9c;height:1500px;">
              <p>MUHAMMAD JUNAID.</p>
              <p>MUHAMMAD JUNAID.</p>
              <p>MUHAMMAD JUNAID.</p>
              <p>MUHAMMAD JUNAID.</p>
              <p>MUHAMMAD JUNAID.</p>
              <p>MUHAMMAD JUNAID.</p>
            </div>
```

```
body{margin:0;}

ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
  position: fixed;
  : 0;
  width: 100%;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
```

```
  text-decoration: none;
}

li a:hover:not(.active) {
  background-color: #111;
}
.active {
  background-color: #4CAF50;
}
```

Sticky Navbar (using SCROL)

```
<div class="header">
              <h2>PLZ MOVE DOWN</h2>
              <p>SEE the FURTHER REQUIRED.</p>
            </div>
       <ul>
              <li><a class="active" href="#home">1</a></li>
              <li><a href="#news">2</a></li>
              <li><a href="#contact">3</a></li>
              <li style="float:right"><a  href="#about">3</a></li>
            </ul>
            <h3>Sticky Navigation Bar Example</h3>
<p>The navbar will <strong>stick</strong> to the top when you reach its scroll po
sition.</p>
<p><strong>Note:</strong> Internet Explorer do not support sticky positioning and
 Safari requires a -webkit- prefix.</p>
Among all the creatures on Earth, human being is definitely superior. Writing a f
ew lines or words about myself to introduce, I feel myself to be tiny part of thi
s entire world that is filled with the human beings around.

I am a human. I myself am humble, kind, caring and courageous. I am most respecte
d, loved and responsible human being. Though, it is quite hard to write about you
rself yet I have tried myself best to express all about myself.

Hailing from a working class family, I am Rajesh. I am simple, sweet, confident a
nd cunning fellow. My father is a renowned doctor who knows how to love his profe
ssion with passion and dedication.

While my mother is a hardworking teacher at city public school whose only passion
 is to transform the lives of her students with knowledge and a good vision.
```

```css
body {
  font-size: 28px;
}

ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
  position: -webkit-sticky; /* Safari */
  position: sticky;
  top: 0;
}

li {
  float: left;
}

li a {
  display: block;
  color: white;
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover {
  background-color: #111;
}

.active {
  background-color: #4CAF50;
}
```

Basic Dropdown

```
<div class="dropdown">
              <span>TAKE A MOUSE</span>
              <div class="dropdown-content">
              <p>Hy JUNAID!</p>
              </div>
            </div>
```

```
.dropdown {
  position: relative;
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 200px;
  box-shadow:   rgba(64, 175, 30, 0.2);
  padding: 16px 16px;
  z-index: 1;
}

.dropdown:hover .dropdown-content {
  display: block;
}
```

Cascading Style Sheets

BSCS 5th SEMESETR

Dropdown Menu

```
<div class="dropdown">
              <button class="dropbtn">STUDY GROUP</button>
              <div class="dropdown-content">
              <a href="#">GROUP 1</a>
              <a href="#">GROUP 2</a>
              <a href="#">GROUP 3</a>
              </div>
            </div>
```

```
.dropbtn {
  background-color: #4CAF50;
  color: white;
  padding: 20px;
  font-size: 16px;
  border: none;
  cursor: pointer;
}

.dropdown {
  position: relative;
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
  z-index: 1;
}

.dropdown-content a {
  color: rgb(248, 14, 14);
  padding: 12px 16px;
  text-decoration: none;
  display: block;
}
```

```
.dropdown-content a:hover {background-color: #f1f1f1}

.dropdown:hover .dropdown-content {
  display: block;
}

.dropdown:hover .dropbtn {
  background-color: #3e8e41;
}
```

Right-aligned Dropdown Content

```
<div class="dropdown" style="float:  right;">
              <button class="dropbtn">STUDY GROUP</button>
              <div class="dropdown-content">
              <a href="#">GROUP 1</a>
              <a href="#">GROUP 2</a>
              <a href="#">GROUP 3</a>
              </div>
            </div>
            <div class="dropdown" style="float: left: ;">
              <button class="dropbtn">STUDY GROUP</button>
              <div class="dropdown-content">
              <a href="#">GROUP 1</a>
              <a href="#">GROUP 2</a>
              <a href="#">GROUP 3</a>
              </div>
            </div>
```

```
.dropbtn {
  background-color: #4CAF50;
  color: white;
  padding: 20px;
  font-size: 16px;
  border: none;
  cursor: pointer;
```

```
}

.dropdown {
  position: relative;
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
  z-index: 1;
}

.dropdown-content a {
  color: rgb(248, 14, 14);
  padding: 12px 16px;
  text-decoration: none;
  display: block;
}

.dropdown-content a:hover {background-color: #f1f1f1}

.dropdown:hover .dropdown-content {
  display: block;
}

.dropdown:hover .dropbtn {
  background-color: #3e8e41;
}
```

BSCS 5th SEMESETR

INSERT PICTURE DROPDOWN

```
 <div class="dropdown">
              <img src="rose.jpeg" alt="Cinque Terre" width="10
0" height="50">
              <div class="dropdown-content">
                    <img src="rose.jpeg" alt="Cinque Terre" wi
dth="300" height="200">
              <div class="desc">A ROSE PIC</div>
              </div>
            </div>
```

```
.dropdown {
  position: relative;
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);
  z-index: 1;
}

.dropdown:hover .dropdown-content {
  display: block;
}

.desc {
  padding: 15px;
  text-align: center;
}
```

Cascading Style Sheets

BSCS 5th SEMESETR

Dropdown Navbar

```
 <ul>
              <li><a href="#home">legend</a></li>
              <li><a href="#news">naughty</a></li>
              <li class="dropdown">
                <a href="javascript:void(0)" class="dropbtn">ST
UDY GROUP</a>
                <div class="dropdown-content">
                  <a href="#">GROUP 1</a>
                  <a href="#">GROUP 2</a>
                  <a href="#">GROUP 3</a>
                </div>
              </li>
            </ul>
```

```
ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
  overflow: hidden;
  background-color: #333;
}

li {
  float: left;
}

li a, .dropbtn {
  display: inline-block;
  color: rgb(255, 255, 255);
  text-align: center;
  padding: 14px 16px;
  text-decoration: none;
}

li a:hover, .dropdown:hover .dropbtn {
  background-color: rgba(255, 0, 0, 0.883);
}
```

```css
li.dropdown {
  display: inline-block;
}

.dropdown-content {
  display: none;
  position: absolute;
  background-color: #f9f9f9;
  min-width: 160px;
  box-shadow: 0px 8px 16px 0px rgba(70, 64, 64, 0.2);
  z-index: 1;
}

.dropdown-content a {
  color: black;
  padding: 12px 16px;
  text-decoration: none;
  display: block;
  text-align: left;
}

.dropdown-content a:hover {background-color: #f1f1f1;}

.dropdown:hover .dropdown-content {
  display: block;
}
```

Styling Forms

```html
<h2>Styling Forms</h2>

        <form name="input" action="" method="get">
          Firstname:<input type="text" name="Name" valu
e="junaid" size="20">
          Lastname:<input type="text" name="Name" value
="HANIA" size="20">
          <input type="button" value="Button">
        </form>
```

```
input[type=text] {
  width: 150px;
  display: block;
  margin-bottom: 10px;
  background-color:pink;
}

input[type=button] {
  width: 120px;
  margin-left: 35px;
  display: block;
}
```

FORM STYLE

```
<div>
              <form action="/action_page.php">
                <label for="fname">First Name</label>
                <input type="text" id="fname" name="firstn
ame" placeholder="Your name..">

                <label for="lname">Last Name</label>
                <input type="text" id="lname" name="lastna
me" placeholder="Your last name..">

                <label for="country">Country</label>
                <select id="country" name="country">
                  <option value="PAKISTAN">PAKISTAN</optio
n>
                  <option value="TURKEY">TURKEY</option>
                  <option value="YAMAN">YAMAN</option>
                </select>

                <input type="submit" value="Submit">
              </form>
            </div>
```

```css
input[type=text] {
  width: 150px;
  display: block;
  margin-bottom: 10px;
  background-color:pink;
}

input[type=button] {
  width: 120px;
  margin-left: 35px;
  display: block;
}input[type=text], select {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
}

input[type=submit] {
  width: 100%;
  background-color: #4CAF50;
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

input[type=submit]:hover {
  background-color: #45a049;
}

div {
  border-radius: 5px;
  background-color: #f2f2f2;
  padding: 20px;
}
```

Animated Search Input

```
<form>
                <input type="text" name="search" placeho
lder="Search..">
              </form>
```

```
input[type=text] {
  width: 130px;
  box-sizing: border-box;
  border: 2px solid #ccc;
  border-radius: 4px;
  font-size: 16px;
  background-color: white;
  background-image: url('searchicon.png');
  background-position: 10px 10px;
  background-repeat: no-repeat;
  padding: 12px 20px 12px 40px;
  transition: width 0.4s ease-in-out;
}
```

Responsive Form

```
  <div class="container">
              <form action="/action_page.php">
              <div class="row">
                <div class="col-25">
                  <label for="fname">First Name</label>
                </div>
                <div class="col-75">
                  <input type="text" id="fname" name="firstname
" placeholder="Your name..">
                </div>
              </div>
              <div class="row">
```

```
                <div class="col-25">
                  <label for="lname">Last Name</label>
                </div>
                <div class="col-75">
                  <input type="text" id="lname" name="lastname"
 placeholder="Your last name..">
                </div>
              </div>
              <div class="row">
                <div class="col-25">
                  <label for="country">Country</label>
                </div>
                <div class="col-75">
                  <select id="country" name="country">
                    <option value="Pakistan">Pakistan</option>
                    <option value="TURKEY">Turkey</option>
                    <option value="Iran">Iran</option>
                  </select>
                </div>
              </div>
              <div class="row">
                <div class="col-25">
                  <label for="subject">Subject</label>
                </div>
                <div class="col-75">
                  <textarea id="subject" name="subject" placeho
lder="Write something.." style="height:200px"></textarea>
                </div>
              </div>
              <div class="row">
                <input type="submit" value="Submit">
              </div>
              </form>
```

COUNTERS

```
 <h1>Using   Counters:</h1>
<h2>HTML Tutorial</h2>
<h2>CSS Tutorial</h2>
<h2>JavaScript Tutorial</h2>
```

```
body {
  counter-reset: section;
}

h2::before {
  counter-increment: section;
  content: "Section " counter(section) ": "
;
}
```

Nesting Counters

```
<h1>9th CLASS:</h1>
      <h2>A </h2>
      <h2>B</h2>

      <h1>10th CLASS:</h1>
      <h2>A </h2>
      <h2>B</h2>

      <h1>GROUP:</h1>
      <h2>GROUP 1</h2>
      <h2>GROUP 2</h2>
body {
```

```
  counter-reset: section;
}

h1 {
  counter-reset: subsection;
}

h1::before {
  counter-increment: section;
  content: "Section " counter(section) ". ";
}

h2::before {
  counter-increment: subsection;
  content: counter(section) "." counter(subsection) " ";
}
```

An other conter LIST

```
<ol>
              <li>item</li>
              <li>item
              <ol>
                <li>item</li>
                <li>item</li>
                <li>item
                <ol>
                  <li>item</li>
                  <li>item</li>
                  <li>item</li>
                </ol>
                </li>
                <li>item</li>
              </ol>
              </li>
              <li>item</li>
              <li>item</li>
            </ol>

            <ol>
              <li>item</li>
              <li>item</li>
            </ol>
```

```
ol {
  counter-reset: section;
  list-style-type: none;
}

li::before {
  counter-increment: section;
        content: counters(section,".") " ";
                          }
```

BORDER IMMAGE

```
 #borderimg1 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 50 round;
}

#borderimg2 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 20% round;
}

#borderimg3 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 30% round;
}
 #borderimg1 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 50 round;
}

#borderimg2 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 20% round;
}
```

```
#borderimg3 {
  border: 10px solid transparent;
  padding: 15px;
  border-image: url(border.png) 30% round;
}
```

```
<p id="borderimg1">MUHAMMAD JUNAID;</p>
    <p id="borderimg2">MUHAMMAD JUNAID;</p>
    <p id="borderimg3">MUHAMMAD JUNAID;</p>
```

Background Size

```
 #prince1 {
  border: 1px solid black;
  background: url(rose-flower.jpg);
  background-size: 100px 80px;
  background-repeat: no-repeat;
  padding: 15px;
}

#prince2 {
  border: 1px solid black;
  background: url(rose-flower.jpg);
  background-repeat: no-repeat;
  padding: 15px;
}
```

```
<div id="prince1">
       <h2>Lorem Ipsum Dolor</h2>
       <p>Lorem ipsum dolor sit amet, consectetuer adipiscing elit, sed diam non
ummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.</p>
       <p>Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper s
uscipit lobortis nisl ut aliquip ex ea commodo consequat.</p>
     </div>
```

```
      <p>Original size of the background-image:</p>
      <div id="prince2">
        <h2>PIC</h2>
        <p>"What makes them so powerful is that they circumvent the faculties of
the conscious mind but, instead, directly target the subconscious and affective,
thus evading direct inquiry through contemplative reasoning. By doing so such axi
omatic images tell us what we shall desire (liberalism, in a snapshot: the crunch
y honey-flavored cereals and the freshly-
pressed orange juice in the back of a suburban one-
family home) and from what we shall obstain (communism, in a snapshot: lifeless c
rowds of men and machinery marching towards certain perdition accompanied by the
tunes of Soviet Russian songs). What makes those images so powerful is that it is
 only of relative minor relevance for the stabilization of such images</p>
            <p> whether they actually capture and correspond with the multiple la
yers of reality</p>
      </div>
```

ANOTHER EXAMPLE OF BORDER IMG:

```
.div1 {
  border: 1px solid black;
  height: 120px;
  width: 150px;
  background: url(rose.jpeg);
  background-repeat: no-repeat;
  background-size: contain;
}

.div2 {
  border: 1px solid black;
  height: 120px;
  width: 150px;
  background: url(rose.jpeg);
  background-repeat: no-repeat;
  background-size: cover;
}

.div3 {
  border: 1px solid black;
```

```
  height: 120px;
  width: 150px;
  background: url(rose.jpeg);
  background-repeat: no-repeat;
}
```

```
<h1>The background-size Property</h1>

<h2>background-size: contain:</h2>
<div class="div1">
<p>This is a pic.I like rose..</p>
</div>

<h2>background-size: cover:</h2>
<div class="div2">
<p>This is a pic.I like rose..</p>
</div>

<h2>No background-size defined:</h2>
<div class="div3">
<p>This is a pic.I like rose.</p>
</div>

<p>ORIGINAL FLOWER PIC:</p>
<img src="rose.jpeg" alt="Flowers" width="224"
 height="162">
```

Sizes of Multiple Background Images

```
 #prince {
  background: url(purpose.jpeg) left top no-
repeat, url(rose-flower.jpg) right bottom no-
repeat, url(rose.jpeg) left top repeat;
  padding: 15px;
  background-size: 50px, 130px, auto;

}
```

```
   <div id="prince">
        <h1>flower IMAGE</h1>
        <p>Lorem ipsum dolor sit amet, consectetuer adipiscing
elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore
 magna aliquam erat volutpat.</p>
        <p>Ut wisi enim ad minim veniam, quis nostrud exerci ta
tion ullamcorper suscipit lobortis nisl ut aliquip ex ea commod
o consequat.</p>
      </div>
```

HERO IMAGE:

```
body {
  margin: 0;
  font-family: Arial, Helvetica, sans-serif;
}

.hero-image {
  background: url(Prince.jpeg) no-repeat center;
  background-size: cover;
  height: 500px;
  position: relative;
}
```

```
.hero-text {
  text-align: center;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  color: white;
}
```

```
<div class="hero-image">
        <div class="hero-text">
          <h1 style="font-size:50px">I am junaid</h1>
          <h3>And I'm a Photographer</h3>
          <button>Hire me</button>
        </div>
      </div>
```

background-clip Property

```
 #example1 {
  border: 10px dotted black;
  padding: 35px;
  background: pink;
}

#example2 {
  border: 10px dotted black;
  padding: 35px;
  background: pink;
  background-clip: padding-box;
}

#example3 {
```

```
  border: 10px dotted black;
  padding: 35px;
  background:pink;
  background-clip: content-box;
}
```

```
<h1>The background-clip Property</h1>

<p>No background-clip (border-box is default):</p>
<div id="example1">
  <h2>MY SELF</h2>
  <p>Only a few vocalists could possibly attempt to do justice to Eric Carmen’s 1
975 classic, but with her out-of-this-
world voice, Celine is one of them and perhaps the only one big enough to lift th
e songs long and emotional chords at the end. Celine shatters glass and blows ear
 drums as she reaches that final “anymooooooooooore”.</p>
</div>

<p>background-clip: padding-box:</p>
<div id="example2">
  <h2>MY SELF</h2>
  <p>Only a few vocalists could possibly attempt to do justice to Eric Carmen’s 1
975 classic, but with her out-of-this-
world voice, Celine is one of them and perhaps the only one big enough to lift th
e songs long and emotional chords at the end. Celine shatters glass and blows ear
 drums as she reaches that final “anymooooooooooore”.</p>
</div>

<p>background-clip: content-box:</p>
<div id="example3">
  <h2>MY SELF</h2>
  <p>Only a few vocalists could possibly attempt to do justice to Eric Carmen’s 1
975 classic, but with her out-of-this-
world voice, Celine is one of them and perhaps the only one big enough to lift th
e songs long and emotional chords at the end. Celine shatters glass and blows ear
 drums as she reaches that final “anymooooooooooore”.</p>
</div>
```

BSCS 5th SEMESETR

BOX SHADOW

```
div {
  width: 300px;
  height: 100px;
  padding: 15px;
  background-color:green;
  box-shadow: 10px 10px grey;
}
```

```
 <div>MUHAMMAD JUNAID>/div>
```

ANIMATION

```
div {
  width: 100px;
  height: 100px;
  background-color: red;
  animation-name: example;
  animation-duration: 4s;
}

@keyframes example {
  from {background-color: red;}
  to {background-color: yellow;}
}
```

YOU can make different color by using above code

Change background color and POSITION by animation

```
div {
  width: 100px;
  height: 100px;
  background-color: red;
  position: relative;
  animation-name: example;
  animation-duration: 4s;
}

@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;}
}
```

Delay an Animation

```
div {
  width: 100px;
  height: 100px;
  background-color: red;
  position: relative;
  animation-name: example;
  animation-duration: 4s;
  animation-delay: 2s;
}

@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;}
}
```

Delay an Animation (LEFT OR RIGHT)

```
div {
  width: 100px;
  height: 100px;
  background-color: red;
  position: relative;
  animation-name: example;
  animation-duration: 4s;
  animation-delay: -2s;
}

@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;}
}
```

Set How Many Times an Animation Should Run

```
div {
  width: 100px;
  height: 100px;
  background-color: red;
  position: relative;
  animation-name: example;
  animation-duration: 4s;
  animation-iteration-count: 5; apni marzi se lgate jao LIKE as (INFINITE,REVERSE,alternate,alternate-reverse) and so on ( animation-direction)
}

@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;}
}
```

Specify the Speed Curve of the Animation

```
div {
  width: 100px;
  height: 50px;
  background-color:pink;
  font-weight: bold;
  position: relative;
  animation: mymove 5s infinite;
```

```
  text-align: center;

}

#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;}
}
```

```
  <div id="div1">I</div>
<div id="div2">LOVE</div>
<div id="div3">YOU </div>
<div id="div4">JUNAID</div>
<div id="div5">SAHIL</div
```

fill-mode For an Animation

```
div {
  width: 100px;
  height: 100px;
  background: red;
  position: relative;
  animation-name: example;
  animation-duration: 3s;
```

```
  animation-fill-mode: backward; Ap aise lgate jai LIKE as(forward,both)
}

@keyframes example {
  from {top: 0px;}
  to {top: 200px; background-color: blue;}
}
```

TOOLTIP

```
.tooltip {
  position: relative;
  display: inline-block;
  border-bottom: 1px dotted black;
}

.tooltip .tooltiptext {
  visibility: hidden;
  width: 120px;
  background-color: black;
  color: #fff;
  text-align: center;
  border-radius: 6px;
  padding: 5px 0;
  position: absolute;
  z-index: 1;
  top: -5px;
  right: 110%;
}

.tooltip .tooltiptext::after {
  content: "";
  position: absolute;
  top: 50%;
  left: 100%;
  margin-top: -5px;
  border-width: 5px;
```

```
  border-style: solid;
  border-color: transparent transparent transparent black;
}
.tooltip:hover .tooltiptext {
  visibility: visible;
}
    </style>
</head>
<body>
  <body style="text-align:center;">

    <h2>Left Tooltip w/ Right Arrow</h2>

    <div class="tooltip">Hover over me
      <span class="tooltiptext">Tooltip text</span>
    </div>
```

Image Filters

```
img {
  width: 33%;
  height: auto;
  float: left;
  max-width: 235px;
}

.blur {filter: blur(4px);}
.brightness {filter: brightness(250%);}
.contrast {filter: contrast(180%);}
.grayscale {filter: grayscale(100%);}
.huerotate {filter: hue-rotate(180deg);}
.invert {filter: invert(100%);}
.opacity {filter: opacity(50%);}
.saturate {filter: saturate(7);}
.sepia {filter: sepia(100%);}
.shadow {filter: drop-shadow(8px 8px 10px green);}
<img src="Prince.jpeg" alt="Pineapple" width="300" height="300">
```

```
  <img class="blur" src="Prince.jpeg" alt="Pineapple" width="300" he
ight="300">
  <img class="brightness" src="Prince.jpeg" alt="Pineapple" width="3
00" height="300">
  <img class="contrast" src="Prince.jpeg" alt="Pineapple" width="300
" height="300">
  <img class="grayscale" src="Prince.jpeg" alt="Pineapple" width="30
0" height="300">
  <img class="huerotate" src="Prince.jpeg" alt="Pineapple" width="30
0" height="300">
  <img class="invert" src="Prince.jpeg" alt="Pineapple" width="300"
height="300">
  <img class="opacity" src="Prince.jpeg" alt="Pineapple" width="300"
 height="300">
  <img class="saturate" src="Prince.jpeg" alt="Pineapple" width="300
" height="300">
  <img class="sepia" src="Prince.jpeg" alt="Pineapple" width="300" h
eight="300">
  <img class="shadow" src="Prince.jpeg" alt="Pineapple" width="300"
height="300">
```

Image Hover Overlay

1:

```
.container {
  position: relative;
  width: 50%;
}

.image {
  display: block;
  width: 100%;
  height: auto;
}

.overlay {
  position: absolute;
  top: 0;
```

```
  bottom: 0;
  left: 0;
  right: 0;
  height: 100%;
  width: 100%;
  opacity: 0;
  transition: .5s ease;
  background-color: #008CBA;
}

.container:hover .overlay {
  opacity: 1;
}

.text {
  color: white;
  font-size: 20px;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%);
}
```

```
<div class="container">
    <img src="Prince.jpeg" alt="Avatar" class=
"image">
    <div class="overlay">
      <div class="text">HY JUNAID</div>
    </div>
  </div>
```

2:

```
   <style>
.container {
  position: relative;
  width: 50%;
}

.image {
  opacity: 1;
  display: block;
  width: 100%;
  height: auto;
  transition: .5s ease;
  backface-visibility: hidden;
}

.middle {
  transition: .5s ease;
  opacity: 0;
  position: absolute;
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
  -ms-transform: translate(-50%, -50%)
}

.container:hover .image {
  opacity: 0.3;
}

.container:hover .middle {
  opacity: 1;
}

.text {
  background-color: #4CAF50;
  color: white;
  font-size: 16px;
  padding: 16px 32px;
}
```

```
 <div class="container">
    <img src="Prince.jpeg" alt="Avatar" class="image" style="wi
dth:100%">
    <div class="middle">
      <div class="text">I'm JUNAID</div>
    </div>
  </div>
```

3:FLIP an IMMAGE

```
<style>img:hover {
    transform: scaleX(-1);
  }</style>
```

```
<img src="Prince.jpeg" alt="Paris" width="400" height="300">
```

MULTIPLE COLUMN (NEWS PAPER)

```
<style>.newspaper {
    column-count: 3;
  }</style>

        .newspaper {
  column-width: 100px;
}
```

```
<div class="newspaper">
    Lorem ipsum dolor sit amet, consectetuer adipis
cing elit, sed diam nonummy nibh euismod tincidunt
ut laoreet dolore magna aliquam erat volutpat. Ut w
isi enim ad minim veniam, quis nostrud exerci tatio
n ullamcorper suscipit lobortis nisl ut aliquip ex
ea commodo consequat. Duis autem vel eum iriure dol
or in hendrerit in vulputate velit esse molestie co
nsequat, vel illum dolore eu feugiat nulla facilisi
s at vero eros et accumsan et iusto odio dignissim
qui blandit praesent luptatum zzril delenit augue d
uis dolore te feugait nulla facilisi. Nam liber tem
por cum soluta nobis eleifend option congue nihil i
mperdiet doming id quod mazim placerat facer possim
 assum.
    </div>
```

```
.newspaper {
    column-count: 3;
    column-gap: 40px;
    /* column-rule: 1px solid lightblue; */
   column-rule-style: solid;
  /* column-rule-width: 1px; */
```

VIDEO

```
video {
  max-width: 100%;
  height: auto;
}
```

```
<video width="400" controls>
    <source src="ja je jana e te ja beautiful song.mp4" type="video/mp4">
    <source src="ja je jana e te ja beautiful song.mp4" type="video/ogg">

  </video>
```

CITY IMAGE

```
* {
  box-sizing: border-box;
}

img {
  width: 100%;
  height: auto;
}

.row:after {
  content: "";
  clear: both;
  display: table;
}

[class*="col-"] {
  float: left;
  padding: 15px;
  width: 100%;
}

@media only screen and (min-width: 600px) {
  .col-s-1 {width: 8.33%;}
  .col-s-2 {width: 16.66%;}
```

```
  .col-s-3 {width: 25%;}
  .col-s-4 {width: 33.33%;}
  .col-s-5 {width: 41.66%;}
  .col-s-6 {width: 50%;}
  .col-s-7 {width: 58.33%;}
  .col-s-8 {width: 66.66%;}
  .col-s-9 {width: 75%;}
  .col-s-10 {width: 83.33%;}
  .col-s-11 {width: 91.66%;}
  .col-s-12 {width: 100%;}
}

@media only screen and (min-width: 768px) {
  .col-1 {width: 8.33%;}
  .col-2 {width: 16.66%;}
  .col-3 {width: 25%;}
  .col-4 {width: 33.33%;}
  .col-5 {width: 41.66%;}
  .col-6 {width: 50%;}
  .col-7 {width: 58.33%;}
  .col-8 {width: 66.66%;}
  .col-9 {width: 75%;}
  .col-10 {width: 83.33%;}
  .col-11 {width: 91.66%;}
  .col-12 {width: 100%;}
}

html {
  font-family: "Lucida Sans", sans-serif;
}

.header {
  background-color: #9933cc;
  color: #ffffff;
  padding: 15px;
}

.menu ul {
  list-style-type: none;
  margin: 0;
  padding: 0;
}
```

```
.menu li {
  padding: 8px;
  margin-bottom: 7px;
  background-color :#33b5e5;
  color: #ffffff;
  box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
}

.menu li:hover {
  background-color: #0099cc;
}

.aside {
  background-color: #33b5e5;
  padding: 15px;
  color: #ffffff;
  text-align: center;
  font-size: 14px;
  box-shadow: 0 1px 3px rgba(0,0,0,0.12), 0 1px 2px rgba(0,0,0,0.24);
}

.footer {
  background-color: #0099cc;
  color: #ffffff;
  text-align: center;
  font-size: 12px;
  padding: 15px;
}
```

```
<div class="header">
    <h1>MULTAN</h1>
  </div>

  <div class="row">
    <div class="col-3 col-s-3 menu">
      <ul>
        <li>The Flight</li>
        <li>The City</li>
        <li>The SHIRINE</li>
        <li>The Food</li>
```

```
      </ul>
    </div>

    <div class="col-6 col-s-9">
      <h1>The City</h1>
      <p>The Multan region has been continuously inhabited for at least 2,000 yea
rs. The region is home to numerous archaeological sites dating to the era of the
Early Harappan period of the Indus Valley Civilisation,[16] dating from 3000 BCE
until 2800 BCE.</p>
      <img src="MULTAN.jpg" width="460" height="345">
    </div>

    <div class="col-3 col-s-12">
      <div class="aside">
        <h2>What?</h2>
        <p>MULTAN is the city of UPRIGHTS</p>
        <h2>Where?</h2>
        <p>It is located in the <b>PUNJAB</b>.</p>
        <h2>How?</h2>
        <p>It is a beautiful CITY.</p>
      </div>
    </div>
  </div>

  <div class="footer">
    <p> After his conquest of Sindh, Muhammad bin Qasim in 712 CE captured Multan
 from the local ruler Chach of Alor following a two-
month siege.[26] Muhammad bin Qasim's army was running out of supplies, but Multa
n's defenses were still holding strong..</p>
  </div>
```

FRAME WORKS

```
<!DOCTYPE html>
<html>
<title>COUNTRY</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
<body>

<div class="w3-container w3-green">
  <h1 style="text-align: center;">CITY DEMO</h1>
```

```
  <p style="text-align: center;">Resize this responsive page!</p>
</div>

<div class="w3-row-padding">
  <div class="w3-third">
    <h2>MULTAN</h2>
    <p>The Multan region has been continuously inhabited for at least 2,00
0 years.</p>
    <p>The region is home to numerous archaeological sites dating to the e
ra of the Early Harappan period of the </p>
     <p>  Indus Valley Civilisation
       dating from 3000 BCE until 2800 BCE..</p>
    <p>It is the most populous city in the <strong>PUNJAB</strong>
    with a beautiful area.</p>
    <img src="MULTAN.jpg">
  </div>

  <div class="w3-third">
    <h2>LAHORE</h2>
    <p>It is HEART of PUNJAB.</p>
    <p> Lahore's origins reach into antiquity. The city has been controlle
d by numerous empires throughout the course of its history, including the
Hindu Shahis, Ghaznavids, Ghurids, and Delhi Sultanate by the medieval era
</p>
    <img src="lahore.jpg" width="500" height="300">
  </div>

  <div class="w3-third">
    <h2>ISLAMABAD</h2>
    <p>ISLAMAD is the capital of PAKISTAN.</p>
    <p>Islamabad has attracted people from all over Pakistan, making it on
e of the most cosmopolitan and urbanised cities of Pakistan</p>
    <img src="islamabad.jpg">
  </div>
</div>

</body>
</html>
```