HTML Structure

<! DOCTYPE html> <!-- instruction to browser about what version of html is written in -->
<html lang="en"> <!-- declare language default -->
<head><title>HOME</title>
<meta charset="TF-8"> <!-- set character used in html -->
<meta name="description" content="Free Web tutorials"> <!-- define a description of your web page -->
<meta name="keywords" content="HTML,CSS,XML,JavaScript"> <!-- define keywords for search engines -->
<meta name="author" content="tikus"> <!-- define the author of a page -->
<meta http-equiv="refresh" content="30"> <!-- refresh document every 30 seconds: -->
<meta name="viewport" content="width=device-width, initial-scale=1.0"><!--use device width & set zoom level to 1-->

<link type="text/css" rel="stylesheet" href="xxxx.css"> <!--call outside css -->

<style type = "text/css">
/*css here*/
</style>
</head>

<body>
<!--content here-->

<script src="jquery-1.10.1.min.js"></script> <!-- if using jquery inside page -->
<script src="xxxxxx.js"></script> <!-- call outside javascript -->
<script type="text/javascript">
$(document).ready(function()
{

});
</script>

<script>
//javascript is here
</script>

</body>
</html>

HTML Component

```html
<form action = '.... .php' method = 'get' target = '_blank' accept-charset = "UTF-8" autocomplete="off">
    <fieldset>
    <legend>Form</legend><p>

        Textbox :
         Name : <input type = "text" name = "myname"><br>

        Radio : <input type = 'radio' name = 'sex' value = 'male' checked>Male
         <input type = 'radio' name = 'sex' value = 'female' checked>Female<br>

        Combobox :
        <select name = "language">
            <option value = "html"> HTML </option>
            <option value = "css"> CSS </option>
            <option value = "javascript" selected> Javascript </option>
        </select><br>

        Textarea :
        <textarea name = "notes" rows = "5" cols = "10">
            your notes here
        </textarea> <br>

        Button :
        <button type = "button" onclick = "alert('Hello')">Click</button> <br>

        Datalist :
        <input list = "application">
        <datalist id = "application">
            <option value = "inkscape">
            <option value = "gimp">
            <option value = "blender">
        </datalist><br>

        Checkbox :
        <input type = "checkbox" name = "check1" value = "javascript"> Javascript<br>
        <input type = "checkbox" name = "check2" value = "php"> PHP<br>

        <input type = 'submit' value = 'submit'>
    </fieldset>
</form>
```

Attributes box:
```
readonly
disabled
size = "40"
maxlength = "10"
autofocus
autocomplete
placeholder = "name"
required
```

```html
<form action = '.... .php' method = 'get' target = '_blank' accept-charset = "UTF-8" autocomplete="off">
    Age : <input type = "number" name = "myage"  min = "1" max = "100"> 1 - 100<br>
    <input type = 'submit' value = 'submit'>
</form>
```

Age : [200] 1 - 100   submit

```html
<form action = '.... .php' method = 'get' target = '_blank' accept-charset = "UTF-8" autocomplete="off">
    Name : <input type = "text" name = "myname" pattern="[A-Za-z]{4}" title = "max 4 character of text">
<br>
    <input type = 'submit' value = 'submit'>
</form>
```

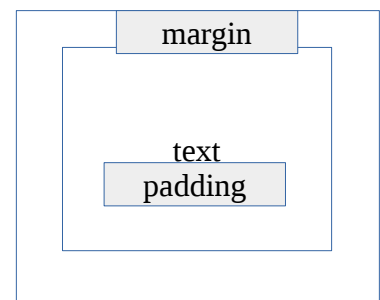Name : [juki]   submit   max 4 character of text

CSS Style

text
color : red | #ff0000 | 255,0,0;
text-align : left | right | center | justify;
text-decoration : none | underline | overline | line-through | blink;
text-transform : none | capitalize | uppercase | lowercase;
letter-spacing : normal | 20px;
text-indent : 50px | 1%;
word-spacing : 5em;
white-space : normal | pre | nowrap;
unicode-bidi : normal | embed | bidi-override;
direction : ltr | rtl;
text-shadow : 2px 2px #ff0000;

border
border-style : none | hidden | dotted | dashed | solid | double | groove | ridge | inset | outset;
border-top-width : 5px | 5% | 2cm;   *// top, right, bottom, left*
border-top-style : solid | double;
border-top-color : blue | #ff000 | 255,0,0;
border-width : 5px;
border-style : solid;
border-color : black;
border : 5px solid red;
border-bottom : 3px dotted blue; *//shortcut*
border-radius : 2px;
border-top-left-radius : 50px;
border-top-right-radius : 50px 25px;

box-shadow : 1px 1px 2px 2px #ffff;
box-shadow : inset 0 0 7px 5px green;

margin
margin : 0 auto; *//make object center when zoom*
margin : 10px 10px 20px 20px; *//top, right, bottom, left*
margin : 20px | 1cm; *//all margin*
margin : 20px 30px; *//top=bottom and right=left*
margin-left : 20px;

padding
padding : 2px 2px 2px 2px;

background
background-color : green | #009900 | 0,150,0 ;
background-image : url(image/name.jpg);
background-image : url(image/name.jpg), red;
background : url(image/name.jpg);
background-attachment : scroll | fixed; *//fixed cannot scroll top down website page*
background-repeat : repeat | no-repeat;
background-repeat : repeat-x | repeat-y;
background-size : 80px 60px; | 100% 100%; | cover;
background-position : top left | top center | top right | center left | center center | center right |
            bottom left | bottom center | bottom right | 50% 50%;
background-origin : content-box;
background : linear-gradient(silver, black);
background : repeating-linear-gradient(white, black);
background : radial-gradient(to top left, red, white);
background : rgba(204, 204, 204, 0.5);

background : hsl(36, 100%, 50%); *//hue, saturation, lightness*
background : hsla(0, 75%, 75%, 0.5); *//hue, saturation, lightness, alpha*
background : grey url(image/name.jpg) repeat; *//shortcut*
background: url(../image/glyphicons-45-keys.png), linear-gradient(rgba(255,0,255,0.7),red,yellow);

font
font-family : arial, sans-serif, verdana;
font-size : 24pt | 24em | xx-small | small | medium | large | x-large | xx-large | smaller | larger |
        length | %;
font-weight : normal | bold | bolder | lighter | 100 | 200;
font-size-adjust : normal | number;
font-stretch : normal | wider | narrower | ultra-condensed | extra-condensed | condensed |
            semi-condensed | semi-expanded | expanded | extra-expanded | ultra-expanded;
font-style : normal | italic | oblique;
font-variant : normal | small-caps;

list
list-style-type : none | disc | circle | square | decimal | decimal-leading-zero | lower-roman |
        upper-roman | lower-alpha | upper-alpha | lower-greek | lower-latin | upper-latin |
        hebrew | armenian | georgian;
list-style-image : none | url(image/name.jpg);
list-style-position : inside | outside
marker-offset : auto | length;
height : 20px;
width : 20px;
line-height : 30pt; *//distance between line*
max-height : 100px; *//max limit height of element*
min-height : 100px;
max-width : 100px; *//max limit width of element*
min-width : 100px;

box-sizing : border-box; *//prevent width or height changed when put padding*
overflow : visible | hidden | auto | scroll; *//make element inside div float left or right*
word-wrap : break-word; *// scrollbar automatic appears when div content out*

position : static | relative | absolute | fixed; *//relative & absolute can use top and left*
bottom : auto | 50% | 2cm | 10px; *//top, left, right*

vertical-align : baseline | sub | super | top | text-top | middle | bottom | text-bottom | length | %;
z-index : 1 | 2 | 3 | 100; *//high value is op of lower value*

cursor : auto | crosshair | default | pointer | move | e-resize | ne-resize | nw-resize | n-resize |
    se-resize | sw-resize | s-resize | w-resize | text | wait | help;
float : none | left | right;
clear : none | left | right | both; //ca not do floating
display : none | block | inline | list-item | run-in | compact | marker | table | inline-table |
        table-row-group | table-header-group | table-footer-group | table-row |
        table-column-group | table-column | table-cell | table-caption;
        *//used for tag<p>,<table>
<td> diplay not support inherit*
        //display-inline = remove line breaks before & after each list item to display them on one line
        //display-block = make the whole link area clickable (not just the text) & it allow us to specify the width

first-line { color : red;   font-size : 14pt }
first-letter { color : blue; font : 200% }

transition-duration : 2s;
column-count : 3;
content : "||";

tansition
transition-property : width;
transition-duration : 2s;
transition-timing-function : linear;
//ease = slow start, fast and slowly
//linear = same speed
//ease-in = slow start
//easy-out = slow end
//easy-in-out = slow start and end
//cubic-bezier(n,n,n,n) = your own value
transition-delay : 1s;
transition : width 2s linear 1s; *//shortcut*

link
<style type = "text/css">
a : link { color : #ff0000; }
a : visited { color : #0000ff; }
a : hover { color : #00cc00; }
a : active { color : #ffff00; }
</style>

or use class for link
a.linkred : visited { color : #ff0000 }
example

make transparant hover image
#transparency
{
    opacity : 0.4;
    background-image : url('name.jpg');
}

#tranparency : hover
{
    opacity : 1.0l
    background-image : url('nama-hover.jpg');
}

centering text
#cen {
    text-align : center;
    vertical-align : middle;
    line-height : 50px;
    height : 50px;
}
centering element
#cen {
    position : relative;
    top : 50%;
    margin-top : -50px;
}

table

```
<style>
#customers {
    font-family: "Trebuchet MS", Arial, Helvetica, sans-serif;
    width: 100%;
    border-collapse: collapse;
}

#customers td, #customers th {
    font-size: 1em;
    border: 1px solid #98bf21;
    padding: 3px 7px 2px 7px;
}

#customers th {
    font-size: 1.1em;
    text-align: left;
    padding-top: 5px;
    padding-bottom: 4px;
    background-color: #A7C942;
    color: #ffffff;
}

#customers tr.alt td {
    color: #000000;
    background-color: #EAF2D3;
}
</style>

<table id="customers">
  <tr>
    <th>Company</th> <th>Contact</th> <th>Country</th>
  </tr>
  <tr>
    <td>1</td> <td>2</td> <td>3</td>
  </tr>
  <tr class="alt">
    <td>4</td> <td>5</td> <td>6</td>
  </tr>
</table>
```

table
```
table, th, td {
        border : 1px solid red;
        border-collapse : collapse;
        padding : 5px;
}

table tr:nth-child(odd) {
    background : grey;
}

table tr:nth-child(even) {
    background : yellow;
}
```

atribut textbox(width)
```
input[type=text] {
    width : 200px;
} //all textbox width will set to 200px
```

atribut textbox(width disabled)
```
input[type=text][disabled] {
    border : 1px solid #ccc
} //all disabled textbox border
```

put css directly inside element in html body
```
<h1 style = "color:red;">css</h1>
```

image
```
<img style="border:1px solid red; opacity:0.4;"  src="file.png">
```

cursor style
```
<span style="cursor:auto">Auto</span><br />
<span style="cursor:crosshair">Crosshair</span><br />
<span style="cursor:default">Default</span><br />
<span style="cursor:pointer">Pointer</span><br />
<span style="cursor:move">Move</span><br />
<span style="cursor:e-resize">e-resize</span><br />
<span style="cursor:ne-resize">ne-resize</span><br />
<span style="cursor:nw-resize">nw-resize</span><br />
<span style="cursor:n-resize">n-resize</span><br />
<span style="cursor:se-resize">se-resize</span><br />
<span style="cursor:sw-resize">sw-resize</span><br />
<span style="cursor:s-resize">s-resize</span><br />
<span style="cursor:w-resize">w-resize</span><br />
<span style="cursor:text">text</span><br />
<span style="cursor:wait">wait</span><br />
<span style="cursor:help">help</span>
```

importing other css to css
```
@import url(other.css);
```

embedding fonts
```
@font-face {
    font-family : "My Font";
    src : url(font/...odf);
}
p { font-family : "My Font", arial, verdana; }
```

child selectors
```
#amin>aman { border : 1px solid red }
body > p { color : red; }
```

adjacent selector (H1 sibling P)
```
H1 + P { font-weight : bold }
```

grouping selector
```
h1,h2,h3 { color : red; font-weight : normal; }
```

Transform, Rotate, Scale, Skrew, Matrix

#transform /*move from original position*/
```
{
    width: 150px;
    height:120px;
    background :yellow;
    transform: translate(50px,100px);
}
```

skew x

#rotate /*rotate*/
```
{
    width: 150px;
    height:120px;
        background-image :url(q.JPG);
        background-size:100% 100%;
        background-repeat:no-repeat;
    transform: rotate(20deg);
}
```

```
transform : rotatex(150deg);
transform : rotatey(130deg);
transform : rotatez(10deg);
```

skew y

#scale_increase /*scale increase x times,y times*/
```
{
    width: 150px;
    height:120px;
        background :yellow;
    transform: scale(2,3);
}
```

#scale_decrease /*scale decrease x times,y times*/
```
{
    width: 150px;
    height:120px;
        background :yellow;
    transform: scale(0.5,0.5);
}
```

skew xy

#skew_x /*skew along x axis*/
```
{
    width: 150px;
    height:120px;
        background-image :url(q.JPG);
        background-size:100% 100%;
        background-repeat:no-repeat;
    transform: skewX(20deg);
}
```

matrix

#skew_y /*skew along y axis*/
```
{
    width: 150px;
    height:120px;
        background-image :url(q.JPG);
        background-size:100% 100%;
        background-repeat:no-repeat;
    transform: skewY(20deg);
}
```

#skew_xy */*skew along x and y axis*/*
{
    width: 150px;
    height:120px;
        background-image :url(q.JPG);
        background-size:100% 100%;
        background-repeat:no-repeat;
    transform: skew(20deg, 10deg);
}

#matrix_method */*take 6 parameter*/*
{
    width: 150px;
    height:120px;
        background-image :url(q.JPG);
        background-size:100% 100%;
        background-repeat:no-repeat;
    transform: matrix(1, -0.3, 0, 1, 0, 0);
}

Rotate 3D css

.animated
{
    animation-duration: 2s;
    animation-fill-mode:both;
}

.animated.infinite
{ animation-iteration-count: infinite; }

@keyframes **rotateIn_**
{
    from
    {
        transform-origin: center;
        transform: rotate3d(0,0,1,-200deg);
        opacity:0;
    }
    to
    {
        transform-origin: center;
        transform : none;
        opacity:1;
    }
}

.rotateIn
{ animation-name : **rotateIn_**; }

<body>
<div class = "**animated infinite rotateIn**">Rotate</div>
</body>

Animation bounced when hover an background image

index.css

```css
.bounced
{
    width : 100px;
    height : 100px;
    opacity : 0.4;
}


@keyframes bounced
{
  from, 20%, 53%, 80%, to
  {
   animation-timing-function: cubic-bezier(0.215, 0.610, 0.355, 1.000);
   transform: translate3d(0,0,0);
  }

  40%, 43%
  {
   animation-timing-function: cubic-bezier(0.755, 0.050, 0.855, 0.060);
   transform: translate3d(0, -30px, 0);
  }

  70%
  {
   animation-timing-function: cubic-bezier(0.755, 0.050, 0.855, 0.060);
   transform: translate3d(0, -15px, 0);
  }

  90%
  {
   transform: translate3d(0,-4px,0);
  }
}

.bounced:hover
{
    animation-duration: 0.7s;
    animation-fill-mode: both;
    animation-name: bounced;
    transform-origin: center center;
    opacity : 1;
}
```

index.html

```html
<link rel="stylesheet" href="index.css" type="text/css">
<body>
<p class = "bounced"><img src = "html.svg"></p>
</body>
```

Animation rotate y coordinate when hover an background image

index.css
.**rotate_y**
{
   width : 100px;
   height : 100px;
   opacity : 0.4;
}

@keyframes rotate_y
{
 from, 20%, 53%, 80%, to
 {   transform: rotateY(20deg);}

 40%, 43%
 {   transform: rotateY(40deg);}

 70%
 { transform: rotateY(70deg); }

 90%
 { transform: rotateY(90deg);   }
}

.**rotate_y:hover**
{
   animation-duration: 0.7s;
   animation-fill-mode: both;
   animation-name: **rotate_y**;
   transform-origin: center center;
   opacity : 1;
}

index.html
<link rel="stylesheet" href="index.css" type="text/css">
<body>
<p class = "rotate_y"><img src = "html.svg"></p>
</body>

Responsive Web

```html
<! DOCTYPE html>
<html lang="en">
<head><title>HOME</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link type="text/css" rel="stylesheet" href="index.css"> <!--call outside css -->
</head>

<body>
<!--content here-->
<div class = "container">
    <div class = "header"></div>
    <div class = "main">
        <div class = "left"></div>
        <div class = "middle"></div>
        <div class = "right"></div>
    </div>
    <div class = "footer">thank you</div>
</div>

</body>
</html>
```

index.css

```css
*{ padding : 0;
margin : 0;
box-sizing : border-box;
}

.container {
max-width : 1080px;
margin : 20px auto;
background : #fff;
overflow : hidden;
padding : 10px;
}

.header {
border : 1px solid red;
padding : 10px;
margin : 10px;
}
```

```css
/* main */
.left {
width : 250px;
border : 1px solid red;
background : yellow;
padding : 10px;
margin : 10px;
float : left;
}

.middle {
width : 500px;
border : 1px solid red;
padding : 10px;
margin : 10px;
float : left;
}

.right {
width : 250px;
border : 1px solid red;
padding : 10px;
margin : 10px;
float : left;
}

.footer {
clear : both;
border : 1px solid red;
padding : 10px;
margin : 10px;
}
```

```css
/* media queries */
@media screen and (max-width: 1080px)
{
        .container {
        width : 100%;
        }
        .left {
        width : 25%;
        }
        .middle {
        width : 68%;
        float : right;
        }
        .right {
        clear : both;
        padding : 1% 4%;
        width : auto;
        float : none;
        }
}

@media screen and (max-width: 780px)
{
        .header,
        .footer {
        text-align : center;
        }
        .left {
        width : auto;
        float : none;
        }
        .middle {
        width : auto;
        float : none;
        }
        .right {
        width : auto;
        float : none;
        }

}
```

Image slider

```
.animcontainer {
width : 556px;
height:556px;
position: relative;
overflow : hidden;
left : 50%;
margin-left : -278px;
}

 .animcontainer:after {
content : "Pause";
font-size: 150px;
color: rgba(255,255,255,0);
z-index:15;
position:relative;
left : 10%;
top:-50%;
}

.animcontainer:hover:after {
color: rgba(255,255,255,0.6);
}

.anim {
position : relative;
 width : 2224;
 animation-name : topanim;
 animation-duration : 7s;
 animation-timing-function : ease-in-out;
 animation-iteration-count : infinite;
 }

.anim:hover {
 animation-play-state : paused; }
```

```
 @keyframes topanim {
 0% { left: 0; opacity: 0; }
2% { opacity: 1; }
20% { left: 0; opacity:1; }
21% {opacity: 0;}
24% {opacity: 0;}
25% { left: -568px; opacity: 1; }
45% { left: -568px; opacity: 1; }
46% {opacity: 0;}
48% {opacity: 0;}
50% { left: -1136px; opacity: 1; }
70% { left: -1136px; opacity: 1; }
71% { opacity: 0; }
74% { opacity: 0; }
75% { left: -2004px; opacity: 1; }
95% { left: -2004px; opacity: 1; }
100% { left: -2004; opacity: 0; }
 }


.top {
width : 100%;
height : 500px;
border : 1px solid white;
padding : 10px;
margin-bottom : 5px;
margin-left : 10px;
margin-right : 10px;
margin-top : 10px;
position:relative;
left: 0%;
margin-left : 0px;
z-index:10;
background : linear-gradient(to top right, #f7f890, #f89090, green);
}


<div class = "top">
<div class = "animcontainer">
<div class = "anim">
<img src = 'image/image1.png' style ="height :480px; width : 556px;">
<img src = 'image/image2.png' style ="height : 480px; width : 556px;">
<img src = 'image/image3.png' style ="height : 480px; width : 556px;">
</div>
</div>
</div>
```

Simple menu


```css
#menu
{
    width:600px; /*total width*/
    height:50px;
    position:fixed;
    left:150px;
    background:transparant;
}

#menu ul
{  list-style:none;  } /*clear numbering at ul*/

#menu ul li a /*line 1*/
{
    background:black;
    color:white;
    display:inline;
    float :left; /*make horizontal ul-1*/
    width:100px;
    height:50px;
    text-align:center;
    text-decoration:none; /*clear underline at link*/
    line-height:50px; /*line space, 50px make character center at background*/
    position:relative;
}

#menu ul li a:hover
{  background :grey; }

#menu ul li:hover ul /*make ul-2 appears*/
{
    display:inline; /*appears inline*/
    position:absolute; /*make position suit, must used*/
}

#menu ul ul
{  display:none; } /*make ul ke-2 disappears  first*/

#menu ul ul li  a /*line-2*/
{
    background:brown;
    color:white;
    padding-left:30px;
    width:150px;
    text-align:left;
    text-decoration:none; /*underline at link disappears*/
    line-height:50px; /*line space, 50px make character center at background*/
    left:-140px;
    top:50px;
}

#menu ul ul li a:hover
{  background :grey;  }
```

```html
<link rel="stylesheet" href="menu.css" type="text/css">
<div id="menu">
<ul>
    <li><a href="index.php">Home</a></li>
    <li><a href="#">Project</a>
        <ul>
            <li><a href="stofa.php">Stofa</a></li>
            <li><a href="inkscape.php">Inkscape</a></li>
        </ul>
    </li>
    <li><a href="#">Order</a>
        <ul>
            <li><a href="kartu.php">Card</a></li>
            <li><a href="logo.php">Logo</a></li>
            <li><a href="program.php">Program</a></li>
        </ul>
    </li>
    <li><a href="about.php">About</a></li>
</ul>
</div>
```

Button 1

```
<style type="text/css"> // internal css
    #bta{
            width : 100px; height: 50px;
            border-radius : 10px;
            cursor : pointer;

            box-shadow : 0 1px 3px rgba(5,0,0,0.5);
            text-shadow : 0 -1px 1px rgba(0,0,0,0.25);
            border-bottom : 1px solid rgba(0,0,0,0.25);
            background : linear-gradient(rgba(255,0,255,0.7), black, white);
            color : white; // text color

            text-align : center;
            vertical-align : middle;
            line-height : 50px; // same with height
        }
</style>
```

Button 2

```
// external css
.button001
    {
        width : 150px;
        border : solid 2px #070768;
        border-radius : 5px;
        color : #111;
        font : bold 15px/40px verdana,serif;
        text-align : center;
        transition : all 0.8s;
        cursor : pointer;
    }

.button001 : hover
    {
        background : linear-gradient(to top right, #5f8ac4, rgba(8,8,100,1));
        color : #fff;
        text-shadow : 1px 2px 2px #111;
        transform : rotate(2deg);
        box-shadow : 2px 4px 3px 2px #222;
    }
```

hover

Text opacity show bright when mouse hover

index.css

```css
.textshow
    {
        transition-duration : 1s;
        opacity : 0.7;
    }
        .textshow:hover
        {
            color : DarkRed;
            transition-duration : 1s;
            opacity : 1;
        }
```

index.html

```html
<link rel="stylesheet" href="index.css" type="text/css">
<body>
<h3 class = "textshow">Javascript</h3>
</body>
```

Box / panel show bright when mouse hover

index.css

```css
#profile
{
    width : 600px;
    height : 300px;
    padding : 0px 0px 10px 10px;
    float : left;
    box-shadow : 1px 1px 5px 2px transparent;
    transition-duration : 2s;
    box-sizing : border-box;
    opacity : 0.9;
    border : 0px  white;
}
    #profile:hover
    {
        background : white;
        border : 3px solid #d8d8d8;
        color : DarkBlue;
        border-radius : 10px;
        float : left;
        box-shadow : 1px 1px 5px 2px white;
        transition-duration : 2s;
        box-sizing : border-box;
        opacity : 1;
    }
```

```css
#announcement
    {
        width : 600px;
        height : 600px;
        padding : 20px;
        background : white;
        float : left;
        box-sizing : border-box;
        border : 0px  white;
    }

        #announcement:hover
        {
            background : #fbf5f5;
            color : DarkBlue;
            float : left;
            transition-duration : 1s;
            box-sizing : border-box;
            opacity : 1;
        }
```

index.html

```html
<link rel="stylesheet" href="index.css" type="text/css">
<body>
<h3 class = "textshow">Javascript</h3>
</body>
```

Box / panel show bright when mouse hover to other element (text)

index.css
```
.profile
{
    display : none;
    width : 500px;
      height : 400px;
        position : absolute;
        top : 50%;
        left : 50%;
        margin-top : -30px;
        margin-left : -250px;
        background : linear-gradient(40deg, white, #eaeaab);
        border : 0px solid black ;
        border-radius : 5px;
        box-shadow : 0px 0px 3px 3px #888;
      transition-duration : 1s;
}


    .profile:hover
    {
        background : #e8e8e8;
        border : 3px solid #d8d8d8;
        color : DarkBlue;

        transition-duration : 1s;
        z-index : 1000;
        opacity : 1;
    }

.panelshow{}
.panelshow:hover  .profile
{
    display : block;
}
```
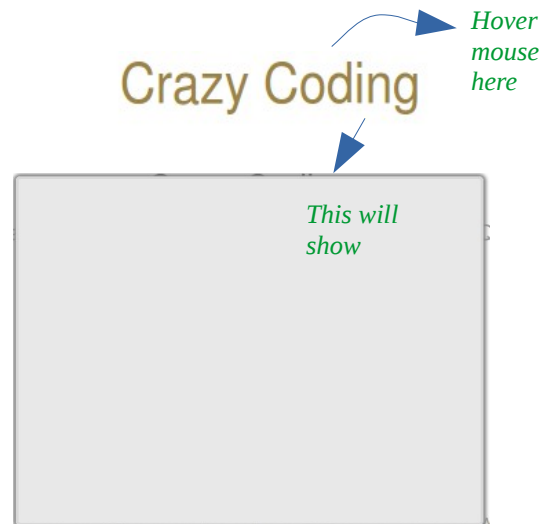
Hover mouse here

This will show

Crazy Coding

index.html
```
<link rel="stylesheet" href="index.css" type="text/css">
<body>
<h1 class = "panelshow">Crazy Coding<div class ="profile"></div></h1>
</body>
```

Animation page slideInDown when load page or refresh

```
<style type="text/css">
    .animated
    {
        animation-duration: 1s;
        animation-fill-mode: both;
    }

    @keyframes slideInDown
    {
        from
        {
            transform: translate3d(0, -100%, 0);
            visibility: visible;
        }
        to
        {    transform: translate3d(0, 0, 0);    }
    }

    .slideInDown
    {    animation-name: slideInDown; }
</style>

<body class="animated slideInDown">
    <script>
        document.write("Hello<br>I am learning Javascript");
    </script>
</body>
```

```
0, -100%, 0 = y top to bottom
0, 100%, 0 = y bottom to top
-100, 0, 0 = x left
100, 0, 0 = x right
```

Animation fadeOutDown an element

```
<style type="text/css">
    @keyframes fadeOutDown
    {
        from
        {    opacity: 1;    }
        to
        {
            opacity: 0;
            transform: translate3d(0, 100%, 0);
        }
    }

    .fadeOutDown
    {
        animation-name: fadeOutDown;
        animation-duration: 5s;
    }
</style>

<body class="fadeOutDown">
    <script>
        document.write("Hello<br>I am learning Javascript");
    </script>
</body>
```

Hello
I am learning Javascript

fadeOutDown

Hello
I am learning Javascript

Animation bounce like jelly

bounce.css

```css
.animation-target: {
  width:100px;
  height:100px;
  background:"red";
}

.animation-target:hover {  animation: animation 1000ms linear both;     }

@keyframes animation {
 0% { transform: matrix3d(1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  3.4% {  transform: matrix3d(1.316, 0, 0, 0, 0, 1.407, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  4.7% { transform: matrix3d(1.45, 0, 0, 0, 0, 1.599, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  6.81% { transform: matrix3d(1.659, 0, 0, 0, 0, 1.893, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  9.41% { transform: matrix3d(1.883, 0, 0, 0, 0, 2.168, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  10.21% {  transform: matrix3d(1.942, 0, 0, 0, 0, 2.226, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  13.61% {  transform: matrix3d(2.123, 0, 0, 0, 0, 2.332, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  14.11% {  transform: matrix3d(2.141, 0, 0, 0, 0, 2.331, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  17.52% {  transform: matrix3d(2.208, 0, 0, 0, 0, 2.239, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  18.72% {  transform: matrix3d(2.212, 0, 0, 0, 0, 2.187, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  21.32% {  transform: matrix3d(2.196, 0, 0, 0, 0, 2.069, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  24.32% {  transform: matrix3d(2.151, 0, 0, 0, 0, 1.96, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  25.23% { transform: matrix3d(2.134, 0, 0, 0, 0, 1.938, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  29.03% { transform: matrix3d(2.063, 0, 0, 0, 0, 1.897, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  29.93% { transform: matrix3d(2.048, 0, 0, 0, 0, 1.899, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  35.54% { transform: matrix3d(1.979, 0, 0, 0, 0, 1.962, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  36.74% { transform: matrix3d(1.972, 0, 0, 0, 0, 1.979, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  41.04% {  transform: matrix3d(1.961, 0, 0, 0, 0, 2.022, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  44.44% { transform: matrix3d(1.966, 0, 0, 0, 0, 2.032, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  52.15% { transform: matrix3d(1.991, 0, 0, 0, 0, 2.006, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  59.86% { transform: matrix3d(2.006, 0, 0, 0, 0, 1.99, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  63.26% { transform: matrix3d(2.007, 0, 0, 0, 0, 1.992, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  75.28% { transform: matrix3d(2.001, 0, 0, 0, 0, 2.003, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  85.49% { transform: matrix3d(1.999, 0, 0, 0, 0, 2, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  90.69% { transform: matrix3d(1.999, 0, 0, 0, 0, 1.999, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
  100% { transform: matrix3d(2, 0, 0, 0, 0, 2, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1); }
}
```

bounce.html

```html
<link type="text/css" rel="stylesheet" href="bounce.css">
<style type="text/css">
.sapi {
    margin-left: 100px;
    margin-top: 100px;
    width:100px;
    height:100px;
    background-color: red;
}
</style>

<body>
<div class="sapi animation-target"></div>
</body>
```