

## Basic CSS Tasks

### [Only for logical reference]

#### Task 1

Write HTML & CSS script to design a signup form having fields like username, password, choices of sports like Cricket, Hockey, Badminton & Tennis. Include gender field, submit and reset buttons. Follow below requirements:

- While hovering username & password, its background should turn yellow color and pink color respectively.
- While clicking sports and gender fields, text should turn to red color.
- Both submit and reset button text should turn blue, while hovering.
- Use appropriate selectors.

```
<style>
input[type="text"]:hover{ background-color:yellow;}
input[type="password"]:hover{ background-color:pink; }
.btn:hover{ color:blue;}
label:active{ color:red;}
</style>
<body>
<form>
USERNAME: <input type="text"> <br> PASSWORD:<input type="password"><br>
SPORTS:<label><input type="checkbox" class="a1">CRICKET</label><br>
<label><input type="checkbox" >HOCKEY</label><br>
<label><input type="checkbox" >BADMINTON</label><br>
<label> <input type="checkbox" >TENNIS</label><br>
GENDER:
<label><input type="radio" name="gr1">MALE</label>
<label><input type="radio" name="gr1">FEMALE </label><br>
<input type="submit" class="btn">
<input type="reset" class="btn">
</form>
</html>
```

USERNAME:

PASSWORD:

SPORTS: ☐ CRICKET  
☐ HOCKEY  
☐ BADMINTON  
☒ TENNIS

GENDER: ☐ MALE ☐ FEMALE

## Task 2

Write down HTML/CSS code in separate CSS file and also show how to link this CSS file in HTML file for following. Take two header tag. First letter of first header tag should be red color and 160% size.

### first.html

```
<html>
<head>
<link href=" style.css " rel="stylesheet"/>
</head>
<body>
<h1 id="header"> This is a heading. </h1>
<h2>This is heading. </h2>
</body>
</html>
```

### style.css

```
h1::first-letter {
  font-size: 160%;
  color: red;
}
```

## Task 3

Write following style in separate CSS file.

- 1)write one paragraph using <p> tag. Color of first line of paragraph should be green and text is italic.
- 2)when you select any text of heading ,background color of selected text will become grey.
- 3) create one ordered list which is start with capital roman letters. color of list should be green and font-size should be 30px.

### sec.html

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style.css">
</head><body>
<h1>Select me</h1>
<h2>Select to see change</h2>
```

```
<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Exercitationem voluptatibus
tempore eius qui in porro, quibusdam molestiae ut optio ratione reiciendis debitis iusto corporis
aperiam assumenda sed perferendis!.</p>
<ol>
<li>Item 1</li>
<li>Item 2</li>
<li>Item 3</li>
</ol>
</body>
</html>
```

### Style.css

```
p::first-line {
color: green;
font-style: italic;
}
h1::selection, h2::selection {
background-color: grey;
}
ol {
list-style-type: upper-roman;
color: green;
font-size: 30px;
}
```

## Task 4

Write HTML & CSS code to design registration form having fields like Name, Password, Contact Number, Gender, Submit button & Reset Button. Follow below requirements:

- 1) While clicking on Name text, background-color of its input field change to light-green.
- 2) While hovering on password & Contact number text, font-size of its input fields will increase respectively.
- 3) While clicking on gender fields, background-color of the text should change to blue.
- 4) Both submit & reset button text should bold & italic, while hovering.

```
<html>
<head>
<style>
#l1:active input{background-color: lightgreen;}
#l2: hover input,#l3: hover input{ font-size: 25px;}
#l4:active{ background-color: blue;}
.btn: hover{ font-weight: bold; font-style: italic;}
</style>
</head>
<body>
<form>
<label id="l1">Name: <input type="text"> </label><br><br>
```

```
<label id="l2">Password: <input type="password"> </label><br><br>
<label id="l3">Contact Number: <input type="text"> </label><br><br>
```

GENDER:

```
<label id="l4"><input type="radio" name="gen">MALE</label>
<label id="l4"><input type="radio" name="gen">FEMALE </label><br><br>
```

```
<input type="submit" class="btn">
<input type="reset" class="btn">
</form>
</html>
```

## Task 5

Write CSS to get following formatting for the paragraph.

- i) text-color-green
- ii) text-indentation-2cm
- iii) font-courier
- iv) font-style-italic
- v) text-case-Uppercase

```
<html>
<head>
<style>
p
{ color:green;
text-indent:2cm;
text-transform:uppercase;
font-family:courier;
font-style:italic;
}
</style>
</head>
<body>
<p>Hello this is example.
</p>
</body>
</html>
```

## Task 6

Write HTML/CSS script to display 2 sections of 40% width using <div> tag. Both these sections are having title & description. Both these <div> should be horizontally adjacent to each other.

```
<html>
<head>
  <style>
    div{
      float: left;
      width: 40%;
      border:2px solid red;
      margin: 15px;
      padding: 20px;
    }
  </style>
</head>
<body>
  <div>
    <h1>Para 1</h1>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Praesentium error, commodi inventore amet tenetur architecto nihil voluptas labore in, itaque dignissimos pariatur tempora natus aperiam atque molestiae illo laboriosam consequatur.</p>
  </div>
  <div>
    <h1>Para 2</h1>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Praesentium error, commodi inventore amet tenetur architecto nihil voluptas labore in, itaque dignissimos pariatur tempora natus aperiam atque molestiae illo laboriosam consequatur.</p>
  </div>
</body>
</html>
```

### Para 1

Lorem ipsum dolor sit amet consectetur adipisicing elit. Praesentium error, commodi inventore amet tenetur architecto nihil voluptas labore in, itaque dignissimos pariatur tempora natus aperiam atque molestiae illo laboriosam consequatur.

### Para 2

Lorem ipsum dolor sit amet consectetur adipisicing elit. Praesentium error, commodi inventore amet tenetur architecto nihil voluptas labore in, itaque dignissimos pariatur tempora natus aperiam atque molestiae illo laboriosam consequatur.

## Task 7

Write down HTML/CSS code to create table with 5 rows and 3 columns. Even no. of rows display in green color and odd no. of rows display in yellow color. Use External CSS file.

### task.html

```
<html>
  <head> <link type="text/css" rel="stylesheet" href="style.css"/> </head>
  <body>
    <table width="30%">
      <tr class="tr2">
        <td>x</td>
        <td>x</td>
        <td>x</td>
      </tr>
      <tr class="tr1">
        <td>y</td>
        <td>y</td>
        <td>y</td>
      </tr>
      <tr class="tr2">
        <td>z</td>
        <td>z</td>
        <td>z</td>
      </tr>
      <tr class="tr1">
        <td>w</td>
        <td>w</td>
        <td>w</td>
      </tr>
      <tr class="tr2">
        <td>v</td>
        <td>v</td>
        <td>v</td>
      </tr>
    </table> </body> </html>
```

### style.css

```
table,td{
  border:1px solid black;
  text-align: center;
}
.tr1 { background-color:green; }
.tr2 { background-color:yellow; }
```

## Task 8

Write an External CSS with following rules.

i) To make all the headers with normal font and having size 150%.

ii) To display the paragraphs in arial font with bold style.

Show the use of above css with html file by linking it.

### p1.html

```
<html>
<head>
<link type="text/css" rel="stylesheet" href="style.css"/>
</head>
<body>
<h1>hello h1</h1>
<h3> hello h3</h3>
<h6>hello h6 </h6>
<pre> hello pre</pre>
<p>hello p</p>
</body>
</html>
```

### style.css

```
h1,h2,h3,h4,h5,h6
{ font-size:150%; font-style:normal; }
p,pre{
font-family:arial;
font-weight:bold;
}
```

## Task 9

Write CSS code for the following:

i) Set the background color for the hover and active link states to "Yellow".

ii) Set "paper.jpg" as the background image of the page.

```
<html>
<head>
<style>
a:active{
color: yellow;
}
a:hover{
background-color:yellow;
}
body
{background-image:url('paper.jpg');
}
</style>
```

```
</head>
<body>
<a href="http://www.google.com" target="_blank">Click</a>
</body>
</html>
```

## Task 10

Write the following styles in separate CSS file and also show how to link this CSS file in HTML file and show use of styles.

- i. The headings should have normal font style and font's size should be 120%.
- ii. Define class arial for paragraph which defines font family arial and font style bold having 3cm spacing for paragraph initialization.
- iii. Apply background color orange and apply a background image "nature.jpg" and it should be repeated horizontally only.

### task.html

```
<html>
<head>
<link href="style.css" rel="stylesheet"/>
</head>
<body>
  <h1>this is an example </h1>
  <p class="arial">hello</p>
</body>
</html>
```

### style.css

```
h1 { font-size: 120%; }
.arial
{
  font-family: Arial;
  font-weight: bold;
  text-indent: 3cm;
}
body{ background: url('nature.jpg') orange repeat-x; }
```



## Advance CSS Tasks

### Task 11

Write HTML and CSS script to design one table having 3 columns and 5 rows. Add random data. While hovering, it should be expanded around 50% horizontally, background-color and font color will become red and white respectively. Expansion should take place in 2 seconds.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <style>
    table {
      margin-top:20px;
    }
    tr{
      width: 500px;
      transition-property:transform;
      transition-duration:2s;
    }
    tr:hover {
      background-color: red;
      color: white;
      transform:scalex(1.5)
    }
  </style>
  <title>Table Styling</title>
</head>
<body>
  <table>
    <tr>
      <td>Data 1</td>
      <td>Data 2</td>
      <td>Data 3</td>
    </tr>
    <tr>
      <td>Data 4</td>
      <td>Data 5</td>
      <td>Data 6</td>
    </tr>
    <tr>
      <td>Data 7</td>
```

```
<td>Data 8</td>
<td>Data 9</td>
</tr>
<tr>
<td>Data 10</td>
<td>Data 11</td>
<td>Data 12</td>
</tr>
<tr>
<td>Data 13</td>
<td>Data 14</td>
<td>Data 15</td>
</tr>
</table>
</body>
</html>
```

## Task 12

Write down HTML & CSS code to increase the <div> element to be two times of its original width and three times of its original height with transition effect.

```
<html>
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
div {
width: 100px;
height: 50px;
background-color: lightblue;
transition: width 1s, height 1s ;
}
div:hover {
width: 200px;
height: 150px;
}
</style>
<title>Resizable Div</title>
</head>
<body>
<div></div>
</body>
</html>
```

## Task 13

Write HTML & CSS code to design one banner using any heading tag. That heading should move in counter-clockwise and complete its iteration then return back in clockwise on its starting position. Use blue text color. And effect should begin after 3 second of loading page.

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

    h1 {
      height:100px;
      width:300px;
      color: blue;
      animation: move1 6s 3s infinite alternate;
    }
    @keyframes move1{
      0% {
        transform: rotate(0deg);
      }
      100% {
        transform: rotate(-360deg);
      }
    }

  </style>
</head>
<body>
  <h1>Animated Heading</h1>
</body>
</html>
```

### Task 14

Write an HTML and CSS script to design one banner of advertisement using <p>tag. That text of advertisement should move continuously from left end to right end, then return back from right to left end. Use red and huge fonts for text. Advertisement should begin after 1 second of loading page.

```
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    @keyframes moveLeftToRight {
      0% {
        transform: translateX(-100%);
      }
      100% {
        transform: translateX(100%);
      }
    }

    p {
      color: red;
      font-size: 36px;
      position: absolute;
      animation: moveLeftToRight 8s 1s infinite alternate;
    }
  </style></head>
<body>
  <p>Special Offer! Limited Time Only!</p>
</body>
</html>
```

### Task 15

Write an HTML & CSS script to design two tables having 3 rows & 3 columns of 50% width each horizontally adjacent to each other. They have blue and green background colors respectively. If page turns to portrait mode, then background colors of tables should be swapped. Responsive concept must be observed while shrinking width of page.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
  <style>
    .table1 {height:150px; width:300px; margin:10px; background-color:blue}
    .table2 {height:150px; width:300px; margin:10px; background-color:green}
```

```
@media (orientation:portrait) {
    .table1 { width:100%; height:auto; background-color:green }
    .table2 { width:100%; height:auto; background-color:blue }
}

</style>
<title>Responsive Tables</title>
</head>
<body>
    <div>
        <table class="table1">
            <tr>
                <td>T1 Data 1</td>
                <td>T1 Data 2</td>
                <td>T1 Data 3</td>
            </tr>
            <tr>
                <td>Data 4</td>
                <td>Data 5</td>
                <td>Data 6</td>
            </tr>
        </table>
    </div>
    <br>
    <div>
        <table class="table2">
            <tr>
                <td>T2 Data 1</td>
                <td>T2 Data 2</td>
                <td>T2 Data 3</td>
            </tr>
            <tr>
                <td>T2 Data 4</td>
                <td>T2 Data 5</td>
                <td>T2 Data 6</td>
            </tr>
        </table>
    </div>
</body>
</html>
```

**Task 16**

Write an HTML and CSS script to design 3 sections having 20% height and full width. Apply following requirements:

- i) Each section has a title and a paragraph. By hovering each section, it should be enclosed by a red border.
- ii) By hovering title of each section, it should be converted to red color.
- iii) By hovering paragraph of each section, it should take a 2cm of beginning space and letter of each word capital.
- iv) Store all CSS properties in global CSS variables.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    :root {
      --section-height: 20%;
      --border-color: red;
      --title-hover-color: red;
      --paragraph-hover-space: 2cm;
      --paragraph-hover-transform: capitalize;
    }

    .section {
      height: var(--section-height);
      width: 100%;
      padding: 20px;
      transition: border 0.3s;
    }

    .section:hover {
      border: 2px solid var(--border-color);
    }

    .section h2 {
      color: black;
      transition: color 0.3s;
    }

    .section h2:hover {
      color: var(--title-hover-color);
```

```

}

.section p {
  transition: transform 0.3s, margin-left 0.3s;
}

.section p:hover {
  /* transform: scale(1.1); */
  margin-left: var(--paragraph-hover-space);
  text-transform: var(--paragraph-hover-transform);
}
</style>
<title>Styled Sections</title>
</head>
<body>
  <div class="section">
    <h2>Title 1</h2>
    <p>This is the content of section 1.</p>
  </div>

  <div class="section">
    <h2>Title 2</h2>
    <p>This is the content of section 2.</p>
  </div>

  <div class="section">
    <h2>Title 3</h2>
    <p>This is the content of section 3.</p>
  </div>
</body>
</html>

```

## Task 17

Write down HTML/CSS code that add some text to an image in the bottom left corner and in top right corner. Also, use opacity property of image to make an image transparent.

```

<html> <head> <style>
.container { position: relative; border: 2px solid; }
.bottomleft { position: absolute; bottom: 8px; left: 15px; font-size: 30px; }
.topright { position: absolute; top: 8px; right: 15px; font-size: 30px; }
img{
  width:100%; height:500px;opacity:0.3;
}
</style> </head> <body>
  <h2>Transparent image and position property example</h2>

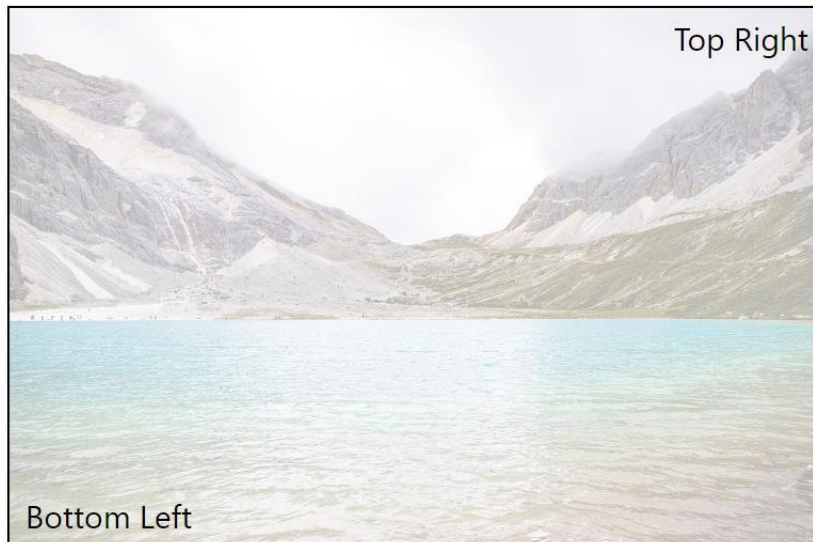
```

```

<div class="container"> 
  <div class="bottomleft">Bottom Left</div>
  <div class="topright">Top Right</div>
</div>
</body> </html>

```

Transparent image and position property example



## Task 18

Write down HTML/CSS code that shows a menu that will float to the right of the page if the viewport is 380 pixels wide or wider (if the viewport is less than 380 pixels, the menu will be on top of the content)

```

<html>
<head>

<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
ul li{
  display: block;
  text-align: right;
  float: right;
  list-style: none;
  padding: 10px;
}
li a{
  text-decoration: none;
}
@media(max-width:380px) {
ul li { float:none; text-align:center; }
}
</style>

```



```
</head>
<body>
<ul>
  <li><a href="#">About</a></li>
  <li><a href="#">Contact</a></li>
  <li><a href="#">Home</a></li>
  <h1>Heading</h1>
  <p>Lorem data to be added</p>,
</ul>
</body>
</html>
```

## Heading

[Home](#) [Contact](#) [About](#)

Lorem ipsum dolor sit amet consectetur, adipisicing elit. Sed iure, exercitationem culpa et sint unde, sapiente reprehenderit dolor veritatis voluptate ut fugit vitae pariatur necessitatibus officiis, mollitia possimus magnam quas!

