Styling With CSS

#2 Layouting

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CSS Variables

```html
<head><style>
    :root {
        --merah: red;
        --kuning: orange;
        --hijau: greenyellow;
    }
    h1 {color: var(--merah);}
    h2 {color: var(--kuning);}
    h3 {color: var(--hijau);}
</style></head><body>
    <h1>Halo semuanya, apa kabar?</h1>
    <h2>Halo semuanya, apa kabar?</h2>
    <h3>Halo semuanya, apa kabar?</h3>
</body>
```

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Grouping

```
<head><style>
    h1, h2, p {
        color: blueviolet;
        font-family: Impact;
    }
</style></head><body>
    <h1>Contoh Grouping</h1>
    <h2>Tiga elemen,</h2>
    <p>Satu style.</p>
</body>
```

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Descendant Selector

```
<head><style>
    main h2 {
        color: red;
        font-family: Impact;
    }
    header h2, footer h2 {
        color: green;
        font-family: Arial;
    }
</style></head><body>
    <header><h2>Ini header</h2></header>
    <main><h2>Ini konten</h2></main>
    <footer><h2>Ini footer</h2></footer>
</body>
```

```
<head><style>
    main > p {
        color: red;
        font-family: Impact;
        font-size: 30px
    }
</style></head><body>
<main>
    <p>di dalam main</p>
    <div>
        <p>dalam div dalam main</p>
    </div>
</main>
</body>
```

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Child Selector

```html
<head><style>
    main > div > p {
        color: red;
        font-family: Impact;
        font-size: 30px
    }
</style></head><body>
<main>
  <p>di dalam main</p>
   <div>
     <p>dalam div dalam main</p>
   </div>
</main>
</body>
```

Adjacent Selector

```
<head><style>
    h1 + p {
        color: red;
        font-family: Impact;
        font-size: 30px
    }
</style></head><body>
    <h1>Ini header</h1>
    <p>Ini paragraf 1</p>
    <p>Ini paragraf 2</p>
    <p>Ini paragraf 3</p>
</body>
```

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Adjacent Selector

```
<head><style>
    h1 + p + p {
        color: red;
        font-family: Impact;
        font-size: 30px
    }
</style></head><body>
    <h1>Ini header</h1>
    <p>Ini paragraf 1</p>
    <p>Ini paragraf 2</p>
    <p>Ini paragraf 3</p>
</body>
```

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Pseudo-classes

Pseudo-classes are used to target specific states of an element. By adding it to your selector, you can style elements only if they're in the state you want them to be. This lesson will go through the most commonly-used ones.

```
<head><style>
    a:visited {color: purple;}
    a:link {color: red;}
</style></head><body>

<a href="#" target="blank">
Lihat efek sebelum & sesudah diklik!
</a>

</body>
```

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```
<head><style>
    h1{
        text-align: center;
        color: purple;
    }
    h1:hover {
        color: white;
        background-color: purple;
    }
</style></head><body>
    <h1>Purwadhika</h1>
</body>
```

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```
<head><style>
    input:focus {
        background-color: lightgreen;
    }
</style></head>
<body>
    <div><input type="number"/></div>
    <br>
    <div><input type="number"/></div>
    <br>
    <div><input type="number"/></div>
</body>
```

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Active

```
<head><style>
    input:active {
        background-color: lightgreen;
    }
</style></head>
<body>
    <div>
        <input type="submit"/>
    </div>
</body>
```

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Pseudo-elements

Pseudo-elements are similar to pseudo-classes but instead of classes you can style right away, they are elements that you can target.

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```
<head><style>
    h2:first-child {
        background-color: red;
    }
    h2:last-child {
        background-color: green;
    }
    h2:nth-child(2) {
        background-color: yellow;
    }
</style></head><body>
    <h2>Anak ke-1 ~ first-child!</h2>
    <h2>Anak ke-2 ~ nth-child(2)</h2>
    <h2>Anak ke-3 ~ last-child!</h2>
</body>
```

Child

```
<head><style>
h2:nth-child(odd) {
    background-color: yellow;
}
h2:nth-child(even) {
    background-color: red;
}
</style></head><body>
    <h2> Anak ke-1 </h2>
    <h2> Anak ke-2 </h2>
    <h2> Anak ke-3 </h2>
    <h2> Anak ke-4 </h2>
    <h2> Anak ke-5 </h2>
</body>
```

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```
<head><style>
    h2:nth-of-type(1) {
        background-color: red;
    }
    h2:nth-of-type(2) {
        background-color: green;
    }
    h2:nth-of-type(3) {
        background-color: yellow;
    }
</style></head><body>
    <h2>nth-of-type(1)</h2>
    <h2>nth-of-type(2)</h2>
    <h2>nth-of-type(3)</h2>
</body>
```

Type

```
<head><style>
h2:nth-of-type(odd) {
    background-color: yellow;
 }
h2:nth-of-type(even) {
    background-color: red;
 }
</style></head><body>
  <h2> Anak ke-1 </h2>
  <h2> Anak ke-2 </h2>
  <h2> Anak ke-3 </h2>
  <h2> Anak ke-4 </h2>
  <h2> Anak ke-5 </h2>
</body>
```

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Pseudo-elements 1st Letter & Line

```
<head><style>
    p:first-letter {
        font-size: 100px;
    }
    p:first-line {
        color: red;
        font-size: 50px
    }
</style></head><body>
    <p>Halo semuanya, apa kabar?</p>
</body>
```

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Positioning

```html
<head><style>
    body {
        padding: 10px; color: white;
    }
    .luar {
        background-color: blue; padding: 10px;
    }
    .dalam {
        background-color: red; padding: 10px;
    }
</style></head><body>
    <div class="luar">
        Ini luar
        <div class="dalam">
            Ini dalam
        </div>
    </div>
</body>
```

Ini luar

Ini dalam

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Relative Position

```
<head><style>
    body {
        padding: 10px; color: white;
    }
    .luar {
        background-color: blue; padding: 10px;
    }
    .dalam {
        background-color: red; padding: 10px;
        position: relative; top: 20px; left: 10px;
    }
</style></head><body>
    <div class="luar">
        Ini luar
        <div class="dalam">
            Ini dalam
        </div>
    </div>
</body>
```

Ini luar

Ini dalam

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Absolute Position

```
<head><style>
    body {
        padding: 10px; color: white;
    }
    .luar {
        background-color: blue; padding: 10px;
    }
    .dalam {
        background-color: red; padding: 10px;
        position: absolute; top: 20px; left: 10px;
    }
</style></head><body>
    <div class="luar">
        Ini luar
        <div class="dalam">
            Ini dalam
        </div>
    </div>
</body>
```

Ini dalam

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Fixed Position

```
<head><style>
    body {
        padding: 10px; color: white;
    }
    .luar {
        background-color: blue; padding: 10px;
    }
    .dalam {
        background-color: red; padding: 10px;
        position: fixed; top: 0px; left: 0px;
    }
</style></head><body>
    <div class="luar">
        Ini luar
        <div class="dalam">
            Ini dalam
        </div>
    </div>
</body>
```

Ini dalam

Ini luar

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```
<head><style>
</style></head><body>
    <div class="pic">
        <img src="lin.jpg" />
    </div>
    <h1>Halo, aku Lintang!</h1>
</body>
```


Halo, aku Lintang!

```
<head><style>
    .pic {
        float: right;
    }
</style></head><body>
    <div class="pic">
        <img src="lin.jpg" />
    </div>
    <h1>Halo, aku Lintang!</h1>
</body>
```

Clear

```
<head><style>
    .pic {float: right;}
    .text {clear: both;}
</style></head><body>
    <div class="pic">
        <img src="lin.jpg" />
    </div>
    <h1 class="text">Halo, aku Lintang!</h1>
</body>
```


Halo, aku Lintang!

Columns

```html
<head><style>
    .kolom {
        column-count: 3;
        column-gap: 50px;
        column-rule: 20px double red;
    }
</style></head><body>
    <main class="kolom">
        <br><h1>Ini kolom 1</h1>
        <br><h1>Ini kolom 2</h1>
        <br><h1>Ini kolom 3</h1>
    </main>
</body>
```

Ini kolom 1	Ini kolom 2	Ini kolom 3

Importing Stylesheets

```html
<head><style>
    @import url('1.css');
</style></head>
<body>
    <h1>Halo Dunia!</h1>
</body>
```

1.html

1.css

```css
h1 {
    color: blueviolet;
    background-color: yellow;
}
```

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```
<head><style>
    @media print {
        body {
            font-size: 1250%;
        }
    }
</style></head>
<body>
    <p>Halo Dunia!</p>
</body>

// Print this page!
```

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Media Query Screen Size

```html
<head><style>
    @media screen and (min-width: 600px) {
        body {
            background-color: blue;
        }
    }
    @media screen and (max-width: 600px) {
        body {
            background-color: red;
        }
    }
    @media screen and (min-width: 900px) {
        body {
            background-color: greenyellow;
        }
    }
</style></head><body></body>
```

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```
<head><style>
    body {
        transition: 1s;
        height: 500px;
        background-color: yellow;
    }
    body:hover {
        background-color: black;
    }
</style></head>
<body>
</body>
```
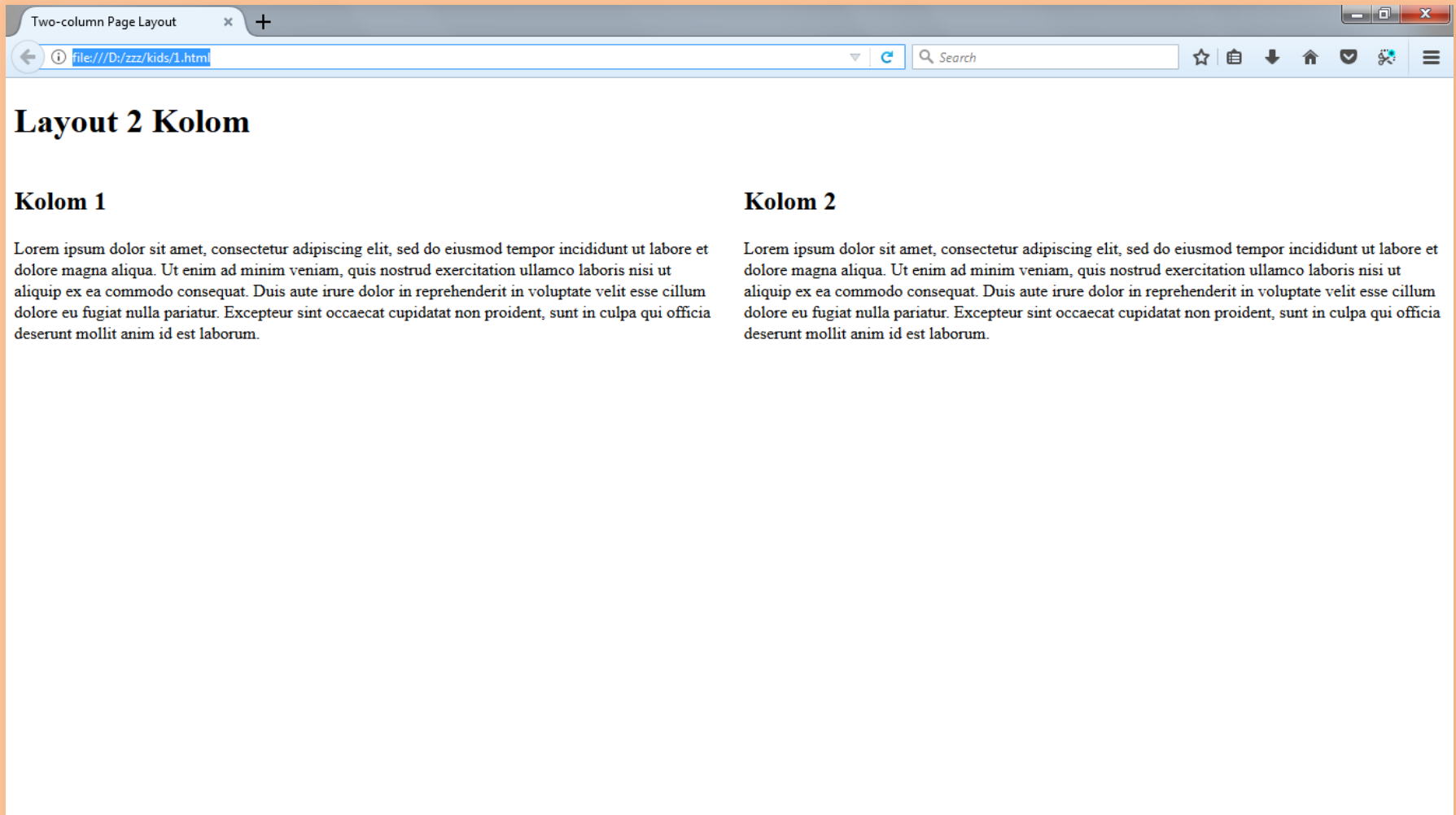
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```
<head><style>
    .box {
        transition: height 1s;
        height: 100px;
        width: 200px;
        background-color: red;
    }
    .box:hover {
        height: 200px;
        background-color: blue;
    }
</style></head>
<body>
    <div class="box"></div>
</body>
```
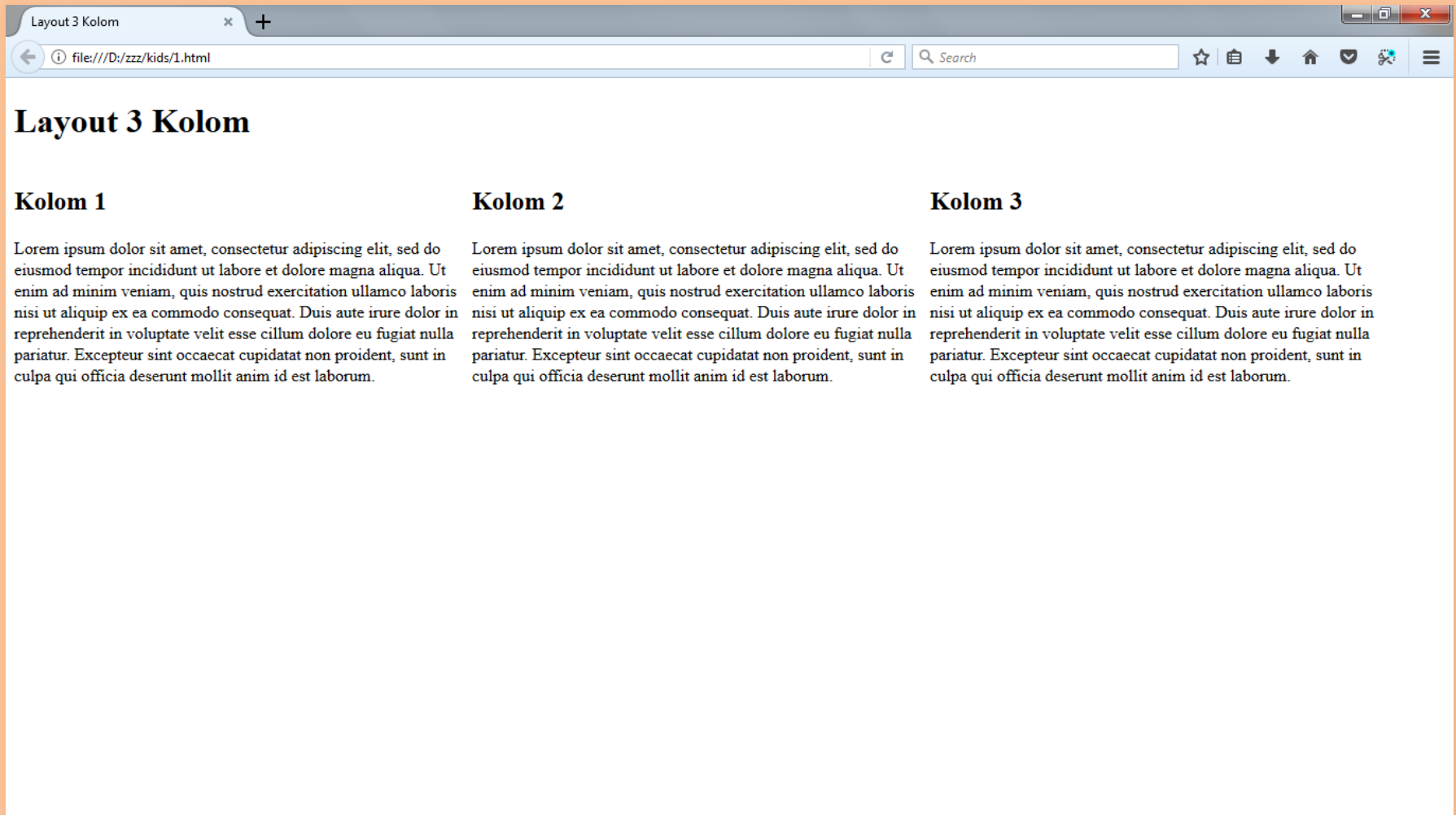
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```
<head><style>
    .box {
        transition: height 1s 2000ms;
        height: 100px;
        width: 200px;
        background-color: red;
    }
    .box:hover {
        height: 200px;
        background-color: blue;
    }
</style></head>
<body>
    <div class="box"></div>
</body>
```
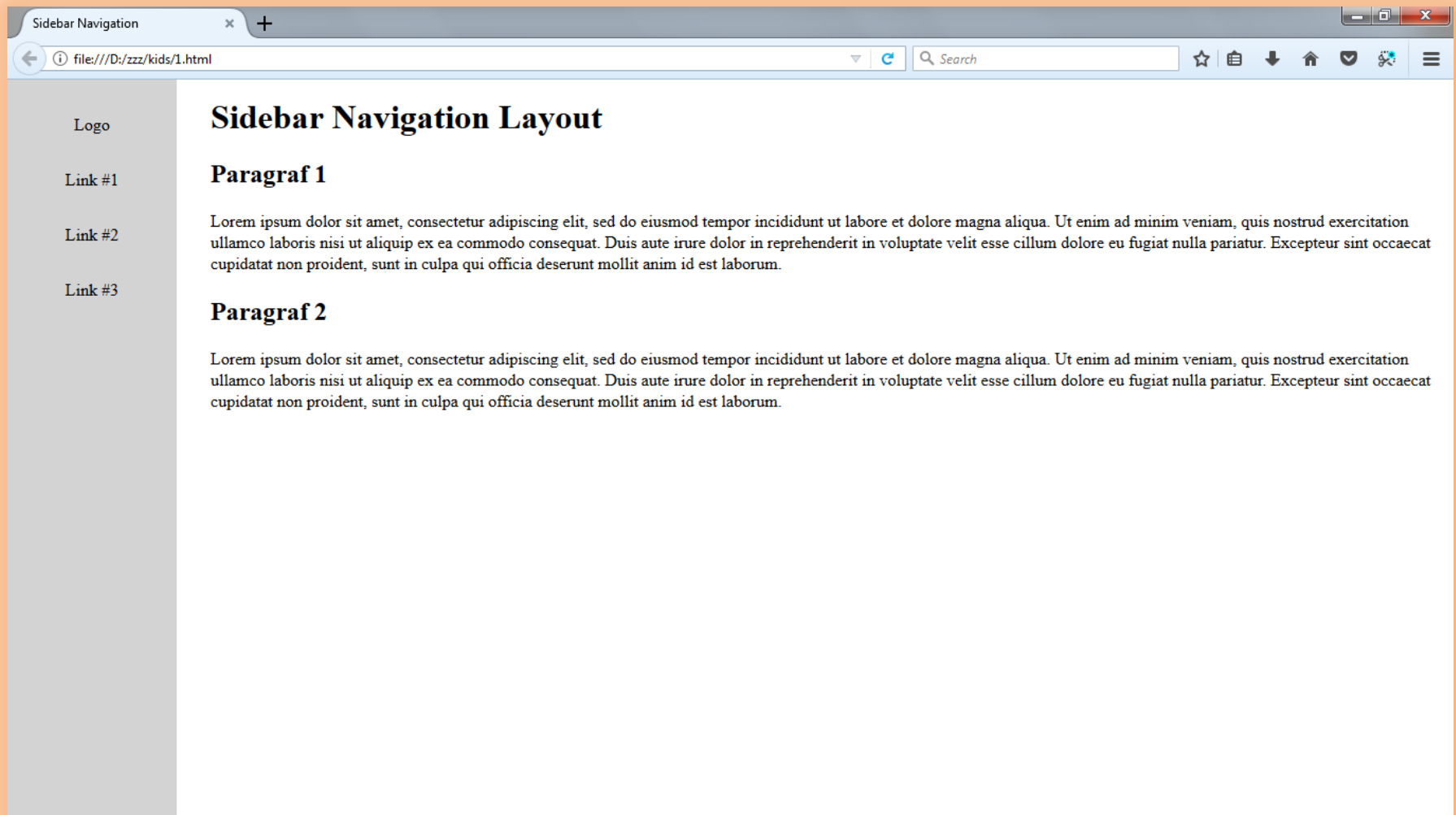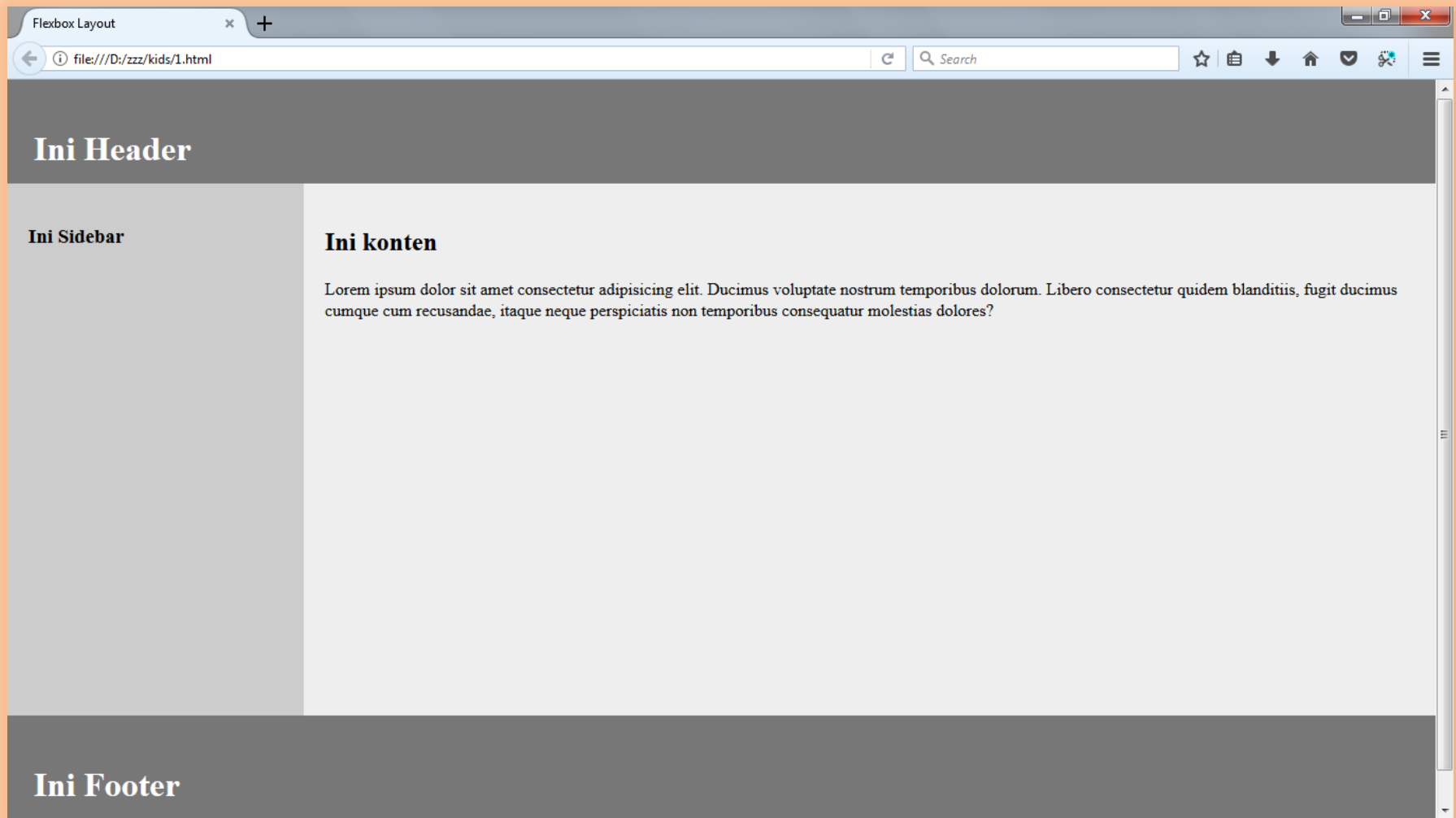
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2-Columns Page Layout

3-Columns Page Layout

Sidebar Navigation Layout

Flexbox Layout