

Front-End Development



Styling With CSS

#2 Layouting

CSS Variables

```
<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>
```

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>
```

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>
```

Child Selector

```
<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>
```


Child Selector

```
<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>
```



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>
```



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.

Pseudo-classes

Links

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

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

```
</body>
```

Pseudo-classes

Hover

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

Pseudo-classes

Focus

```
<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>
```

Pseudo-classes

Active

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

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.

Pseudo-elements Child

```
<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>
```



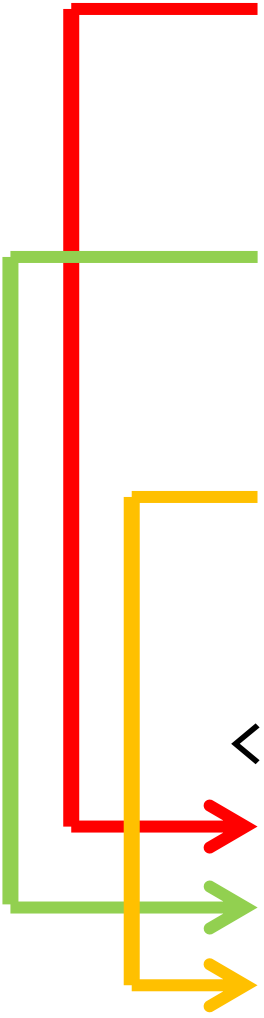
Pseudo-elements

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>
```


Pseudo-elements Type

```
<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>
```



Pseudo-elements

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>
```

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>
```

Positioning

```
<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

Relative Position

Relative to parent

```
<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>
```



Absolute Position

Absolute to body

```
<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

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

Float & Clear

```
<head><style>
</style></head><body>
  <div class="pic">
    
  </div>
  <h1>Halo, aku Lintang!</h1>
</body>
```



Halo, aku Lintang!

Float

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

Halo, aku Lintang!



Clear

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

Halo, aku Lintang!



Columns

```
<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

Import

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

1.html

css/1.css

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

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

// Print this page!

Media Query Screen Size

```
<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>
```

Transition

```
<head><style>
  body {
    transition: 1s;
    height: 500px;
    background-color: yellow;
  }
  body:hover {
    background-color: black;
  }
</style></head>
<body>
</body>
```

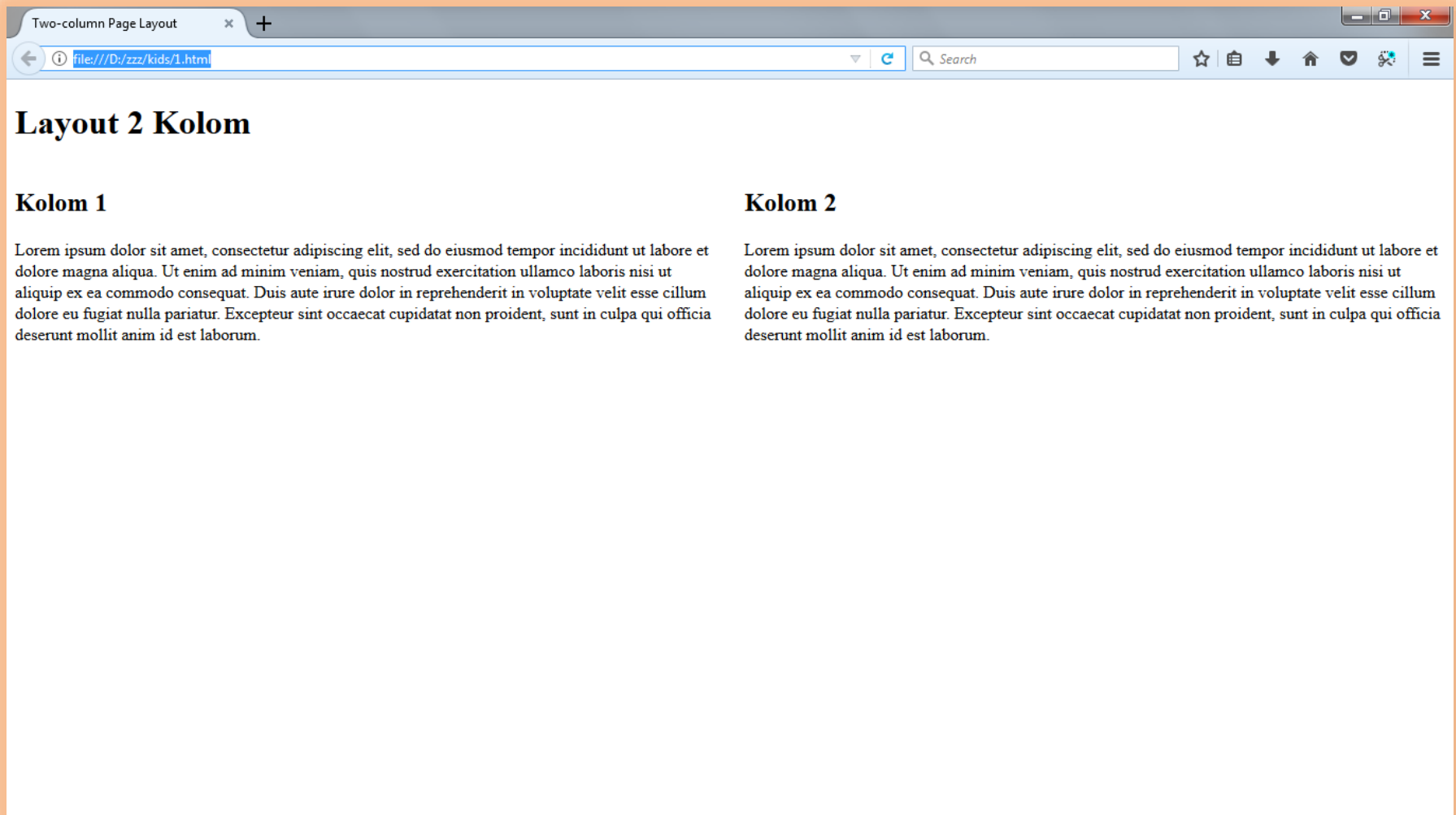
Transition Property

```
<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>
```

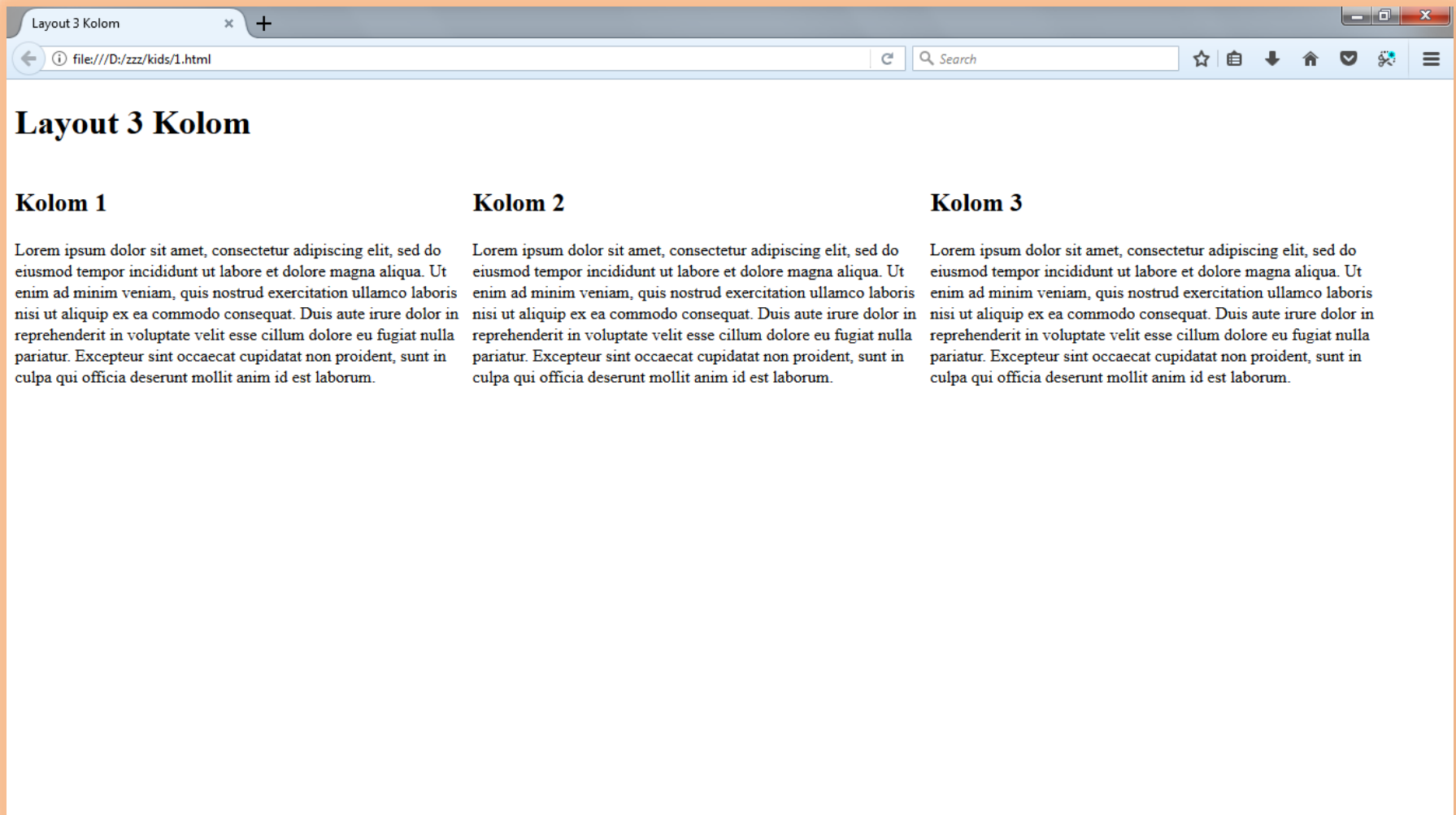

Transition Delay

```
<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>
```

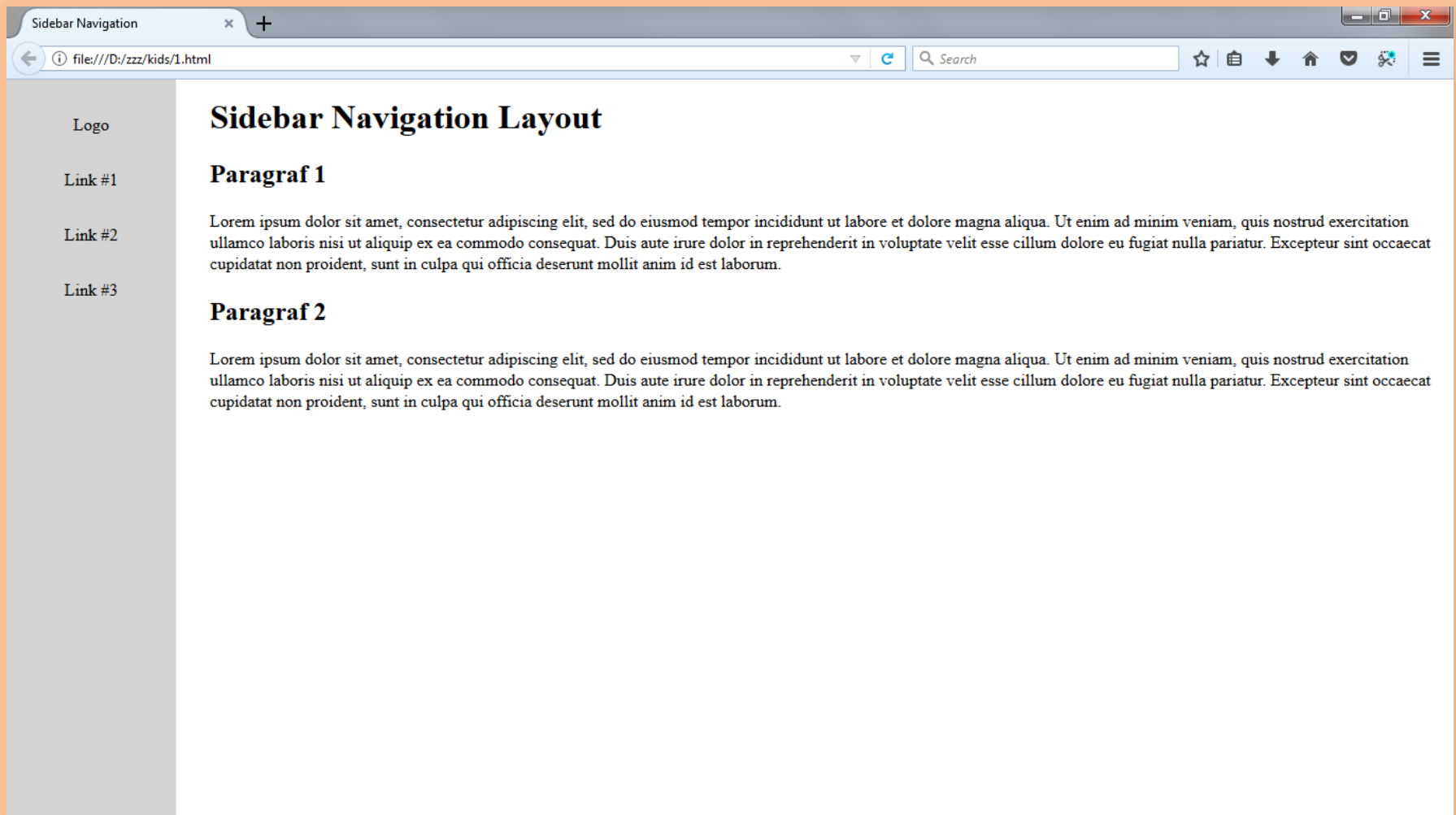
2-Columns Page Layout



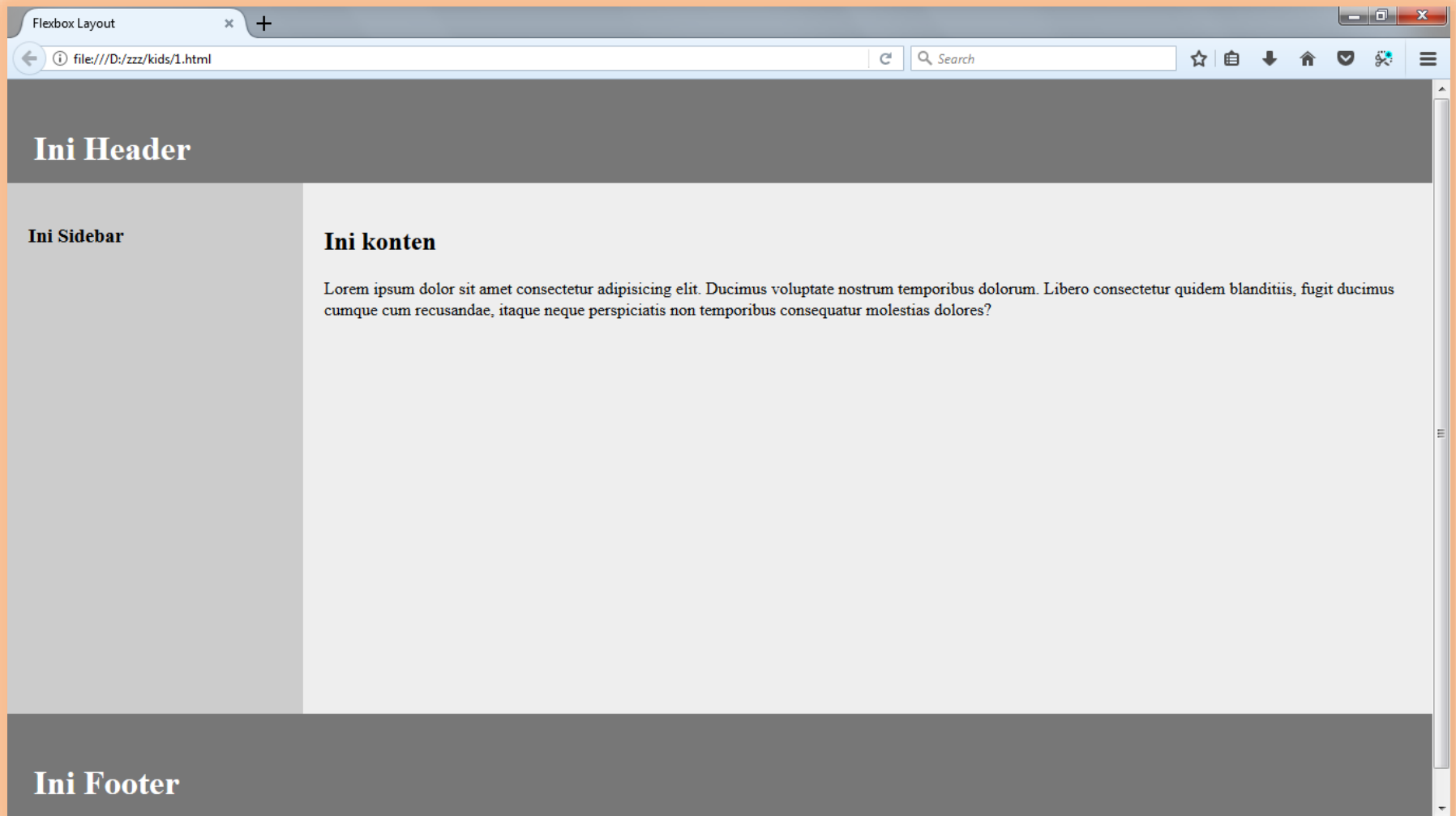
3-Columns Page Layout



Sidebar Navigation Layout



Flexbox Layout



Front-End Development



Styling With CSS

#2 Layouting