Front-End Development

Styling With CSS

#3 CSS Grid

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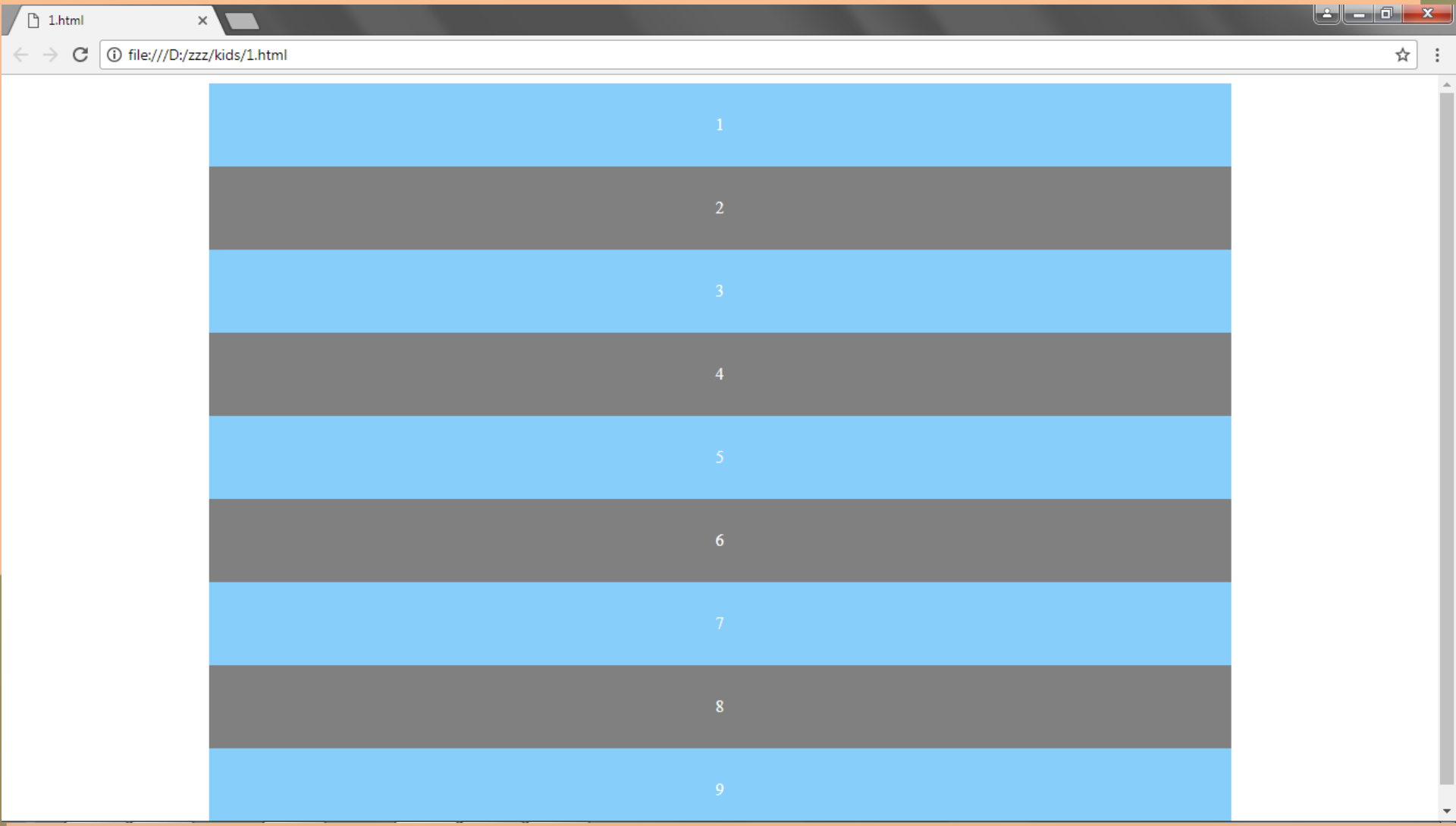

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```
<body>
    <div id="content">
        <div class="kotak1">1</div>
        <div class="kotak2">2</div>
        <div class="kotak3">3</div>
        <div class="kotak4">4</div>
        <div class="kotak5">5</div>
        <div class="kotak6">6</div>
        <div class="kotak7">7</div>
        <div class="kotak8">8</div>
        <div class="kotak9">9</div>
    </div>
</body>
```

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```
<head><style>
    body{
        color: white;
        text-align: center;
    }
    #content{
        max-width: 960px;
        margin: 0 auto;
    }
    #content div{
        background: lightskyblue;
        padding: 30px;
    }
    #content div:nth-child(even){
        background: grey;
    }
</style></head>
```

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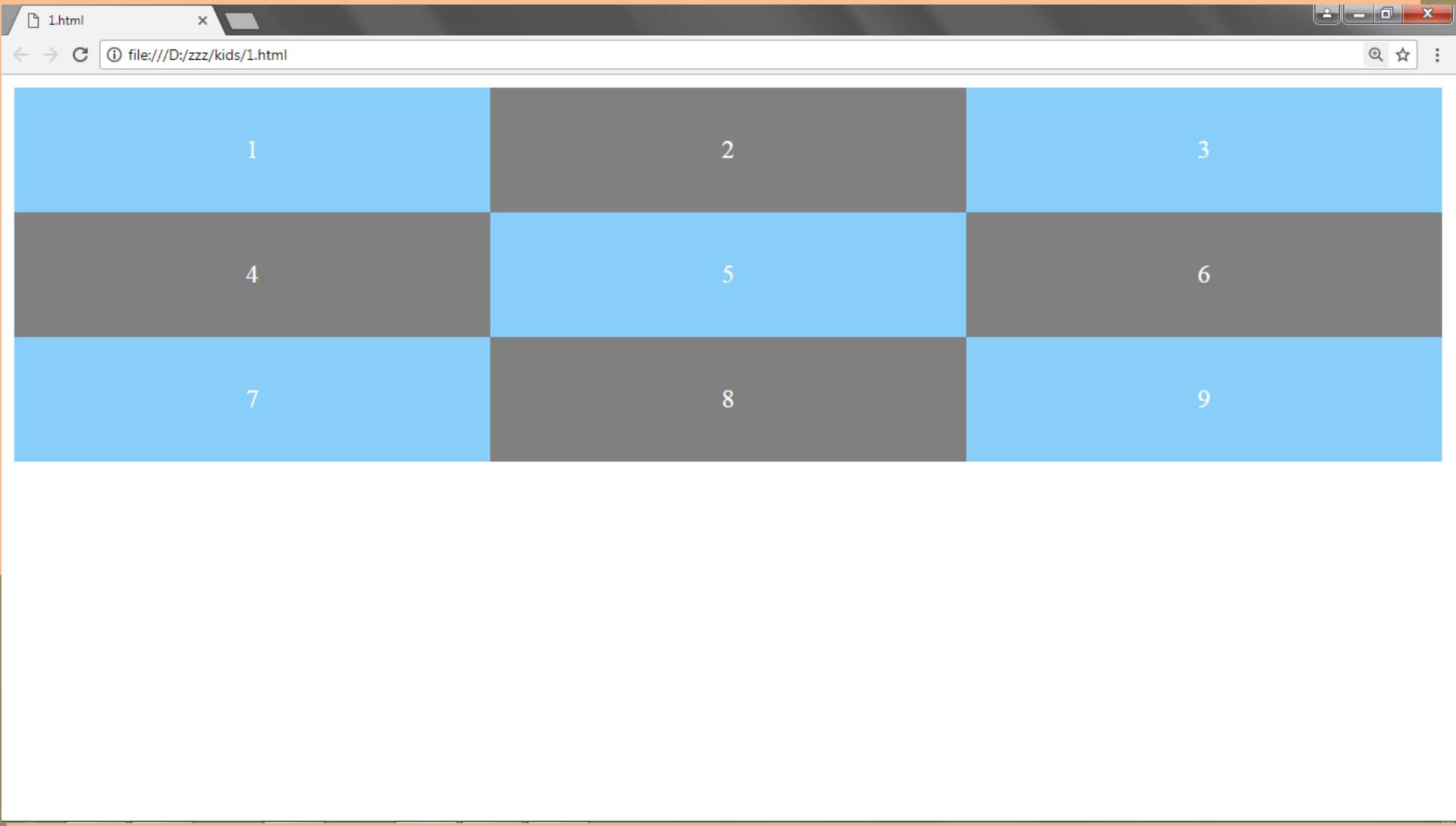

Template Columns

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Template Columns

```
#content{
   display: grid;
   grid-template-columns: 30% 30% 30%;
   max-width: 960px;
   margin: 0 auto;
}
```

= = = = = Using Fraction: = = = = =

```
grid-template-columns: 1fr 2fr 1fr;
```

= = = = = Using Repeat: = = = = =

```
grid-template-columns: repeat(3, 1fr);
```

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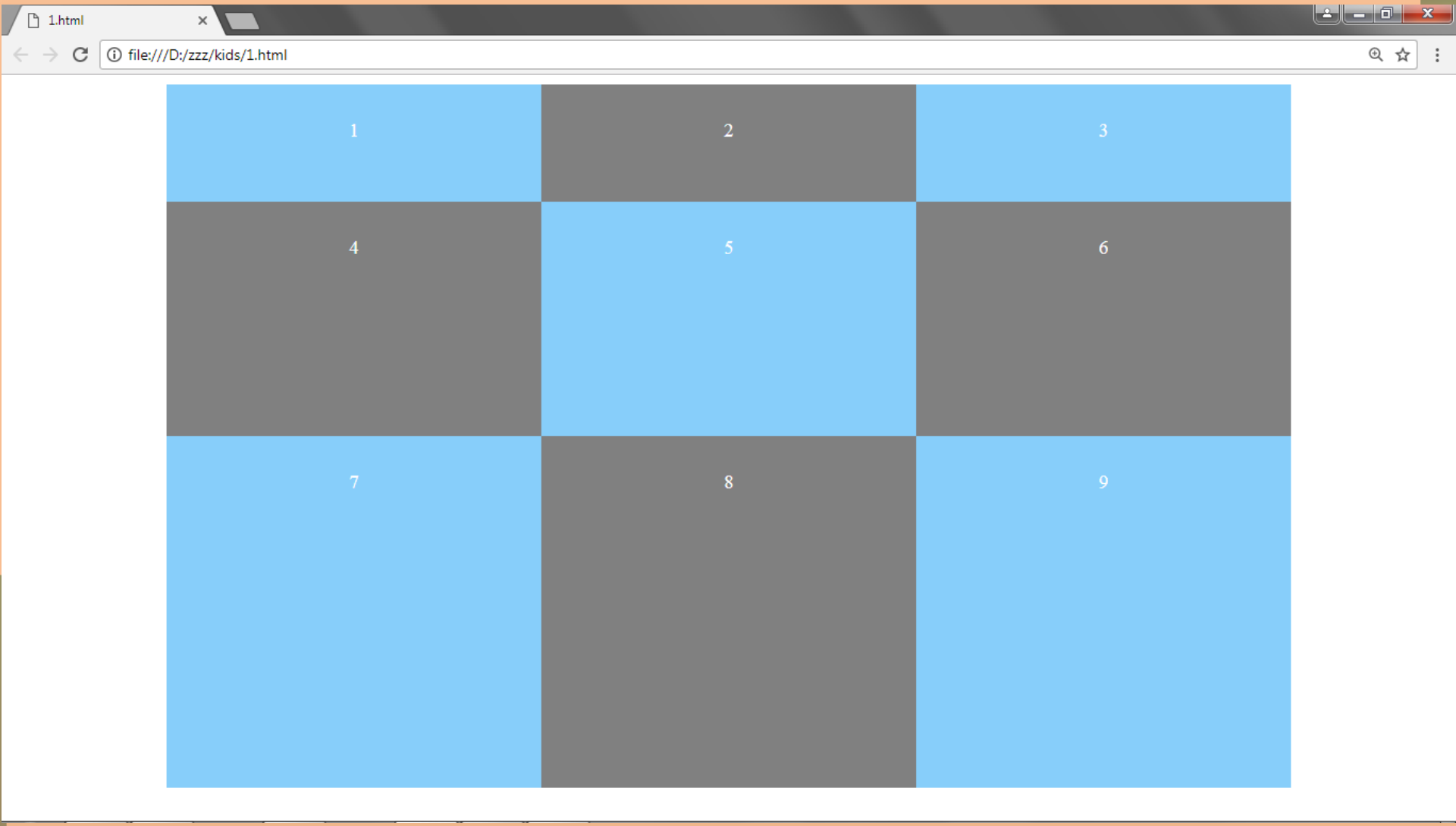

Template Rows

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Template Rows

```
#content{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
   grid-template-rows: 100px 200px 300px;
   max-width: 960px;
   margin: 0 auto;
}
```

===== Using Fraction: =====

```
grid-template-rows: 1fr 2fr 1fr;
```

===== Using Repeat: =====

```
grid-template-rows: repeat(3, 1fr);
```

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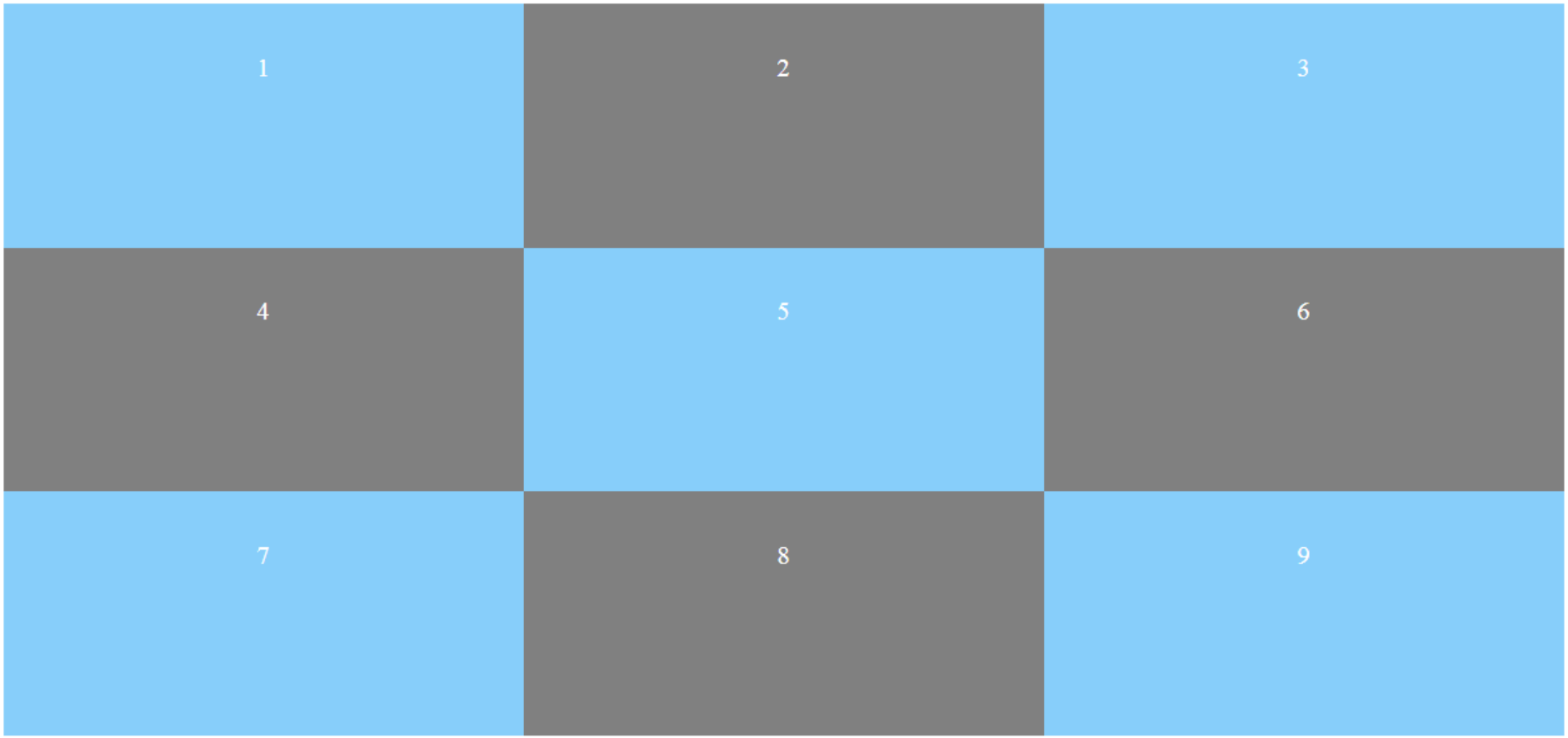

Auto Rows

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Auto Rows

```
#content{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
   grid-auto-rows: 150px;
   max-width: 960px;
   margin: 0 auto;
}
```

===== Using MinMax: =====

```
grid-auto-rows: minmax(100px, auto);
```

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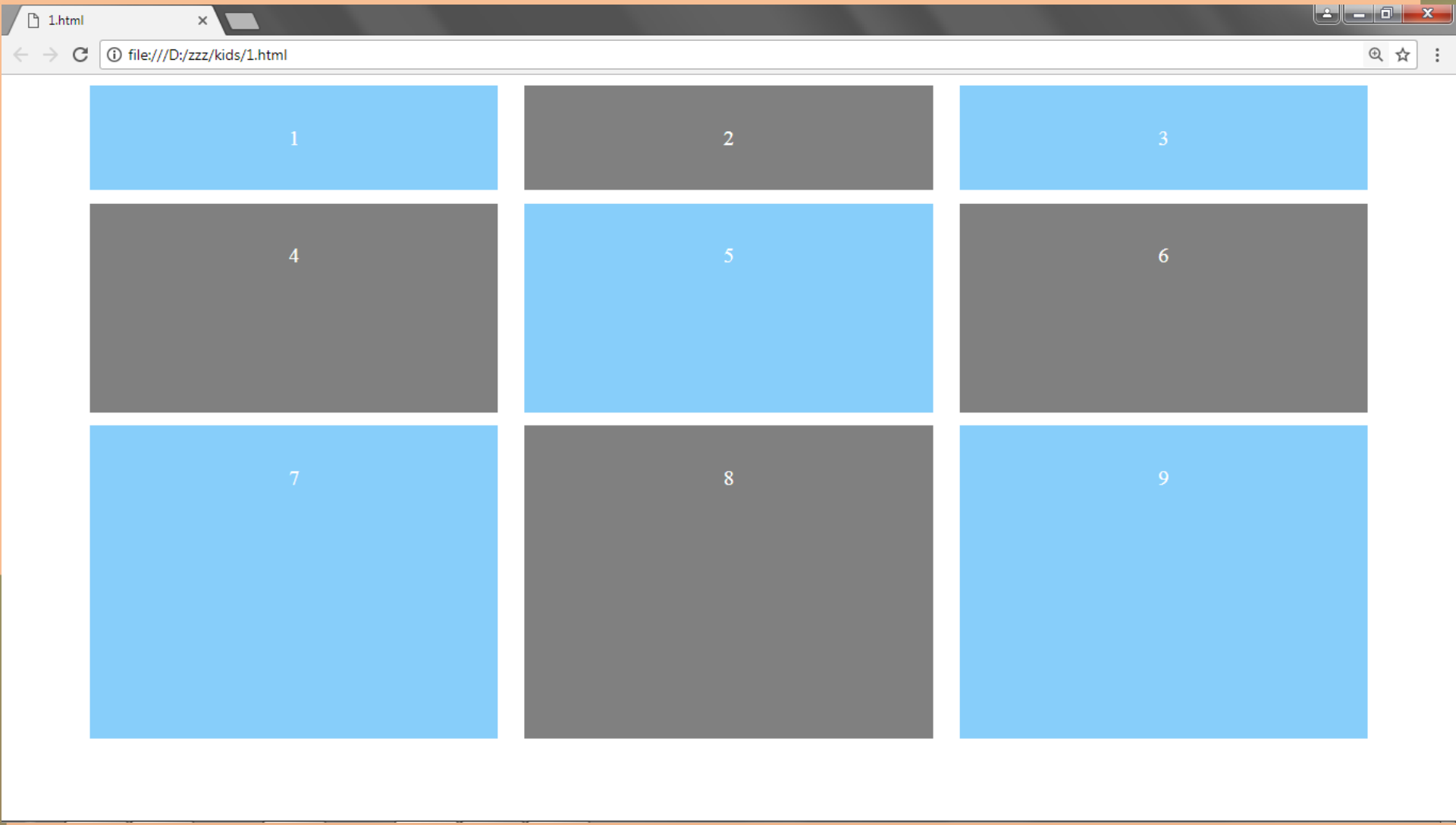

Grid Gap

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Grid Gap

```
#content{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
   grid-template-rows: 1fr 2fr 3fr;
   grid-column-gap: 20px;
   grid-row-gap: 10px;
   max-width: 960px;
   margin: 0 auto;
}

    // grid-gap: 20px;
```

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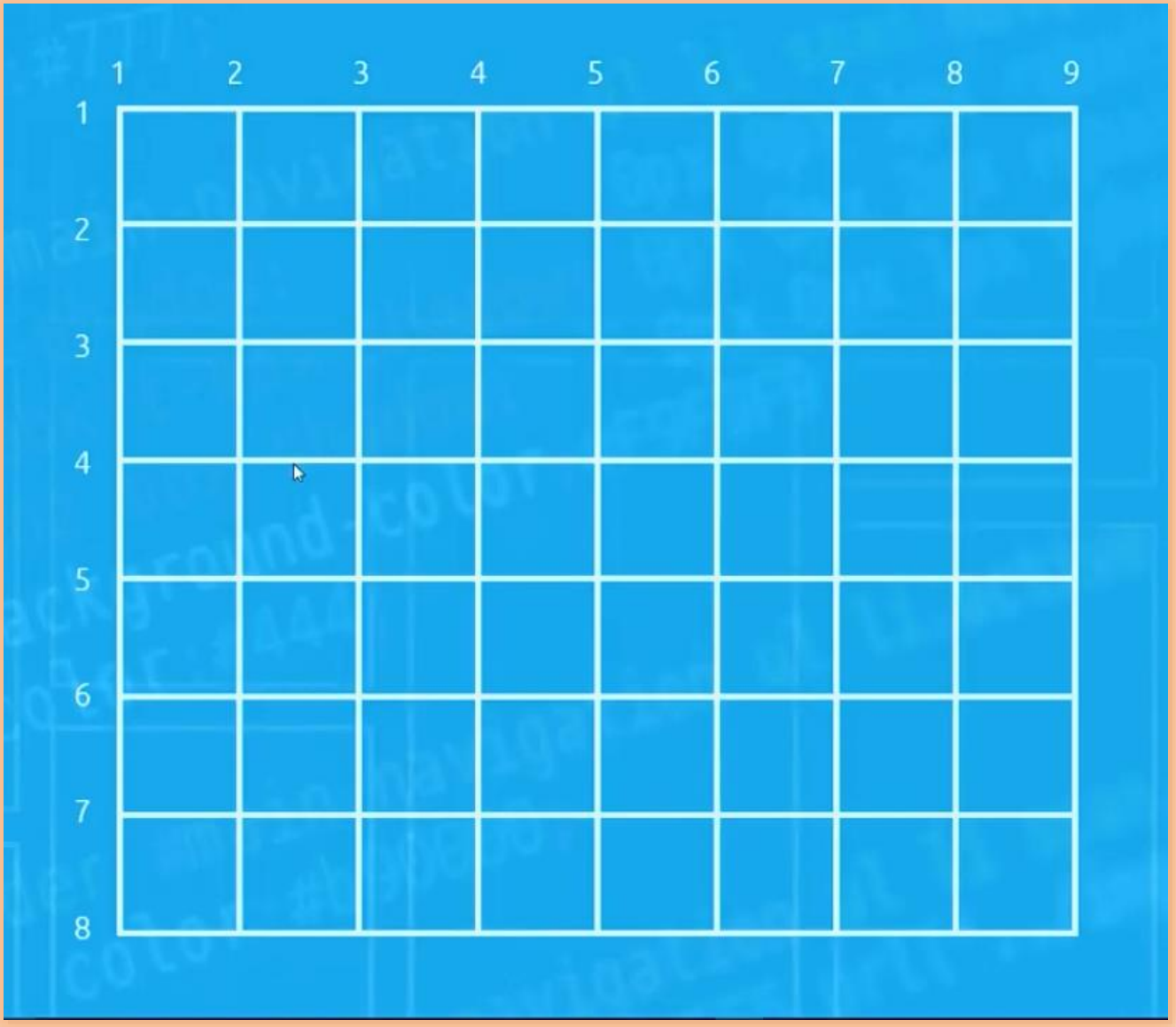

Grid Lines

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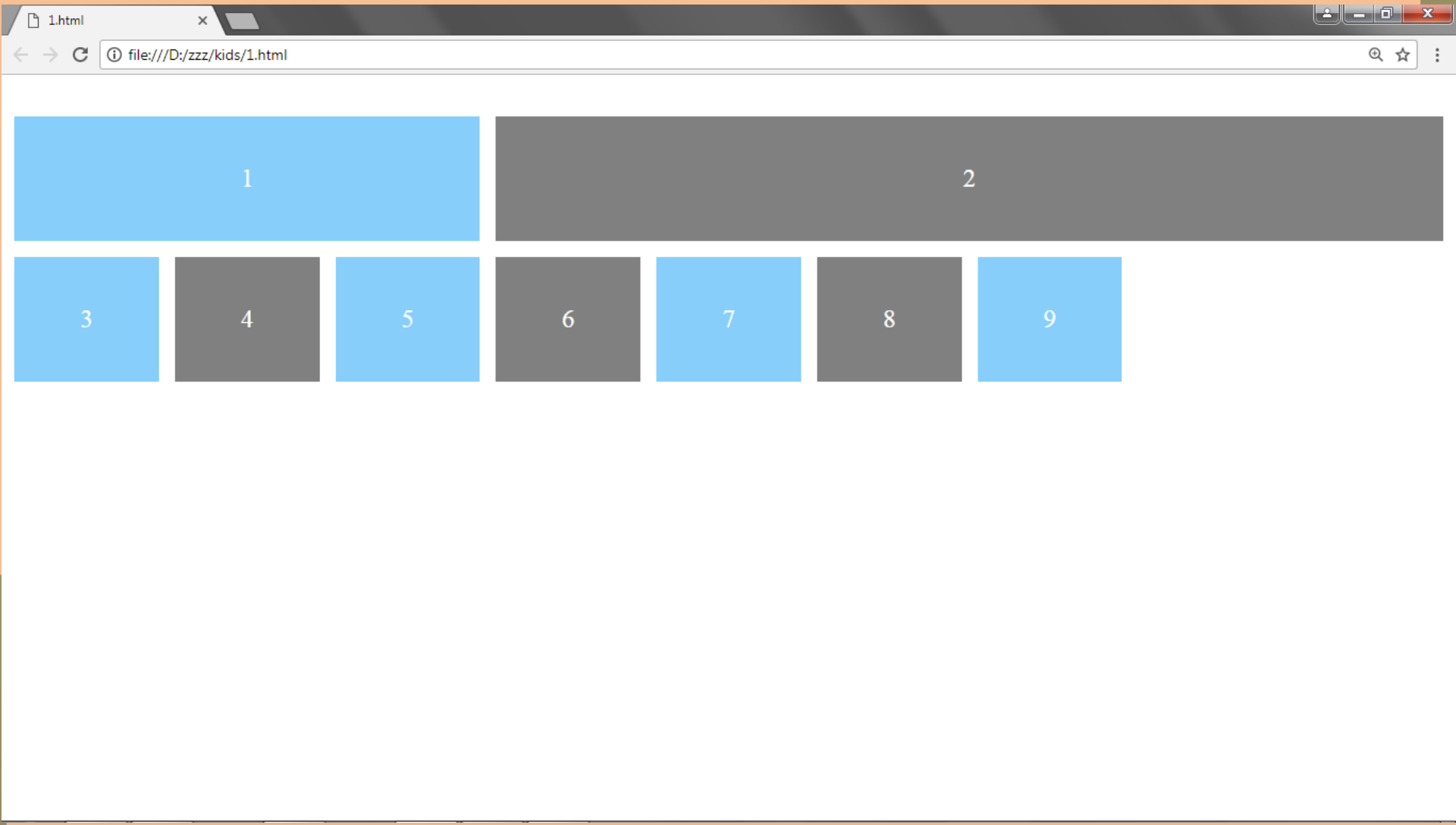

Grid Column

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Grid Column

```
#content{
    display: grid;
    grid-template-columns: repeat(9, 1fr);
    grid-template-rows: repeat(4, 1fr);
    grid-gap: 10px;
    max-width: 960px;
    margin: 0 auto;
}
.kotak1 {
    grid-column-start: 1;
    grid-column-end: 4;
}
.kotak2 {
    grid-column: 4 / 10;
}
```

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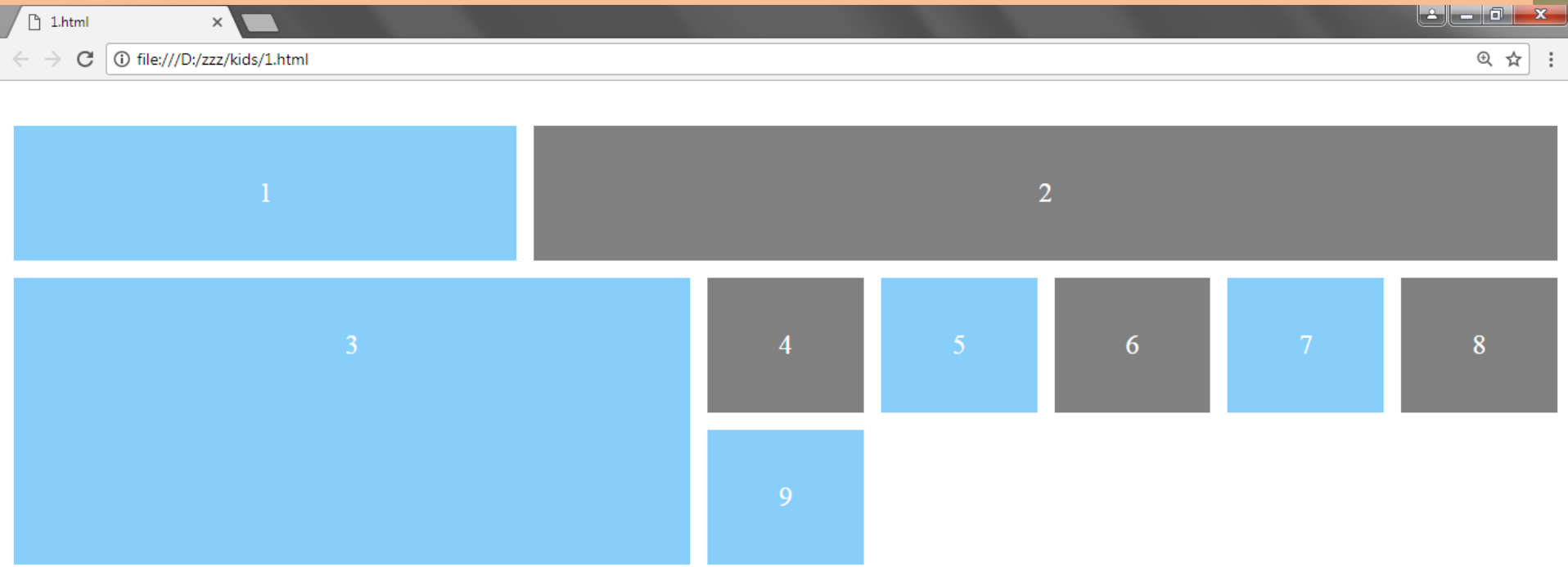

Grid Row

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Grid Row

```
#content{
    display: grid;
    grid-template-columns: repeat(9, 1fr);
    grid-template-rows: repeat(4, 1fr);
    grid-gap: 10px;
    max-width: 960px;
    margin: 0 auto;
}
.kotak3 {
    grid-column: 1 / 5;
    grid-row: 2 / 4;
}
```

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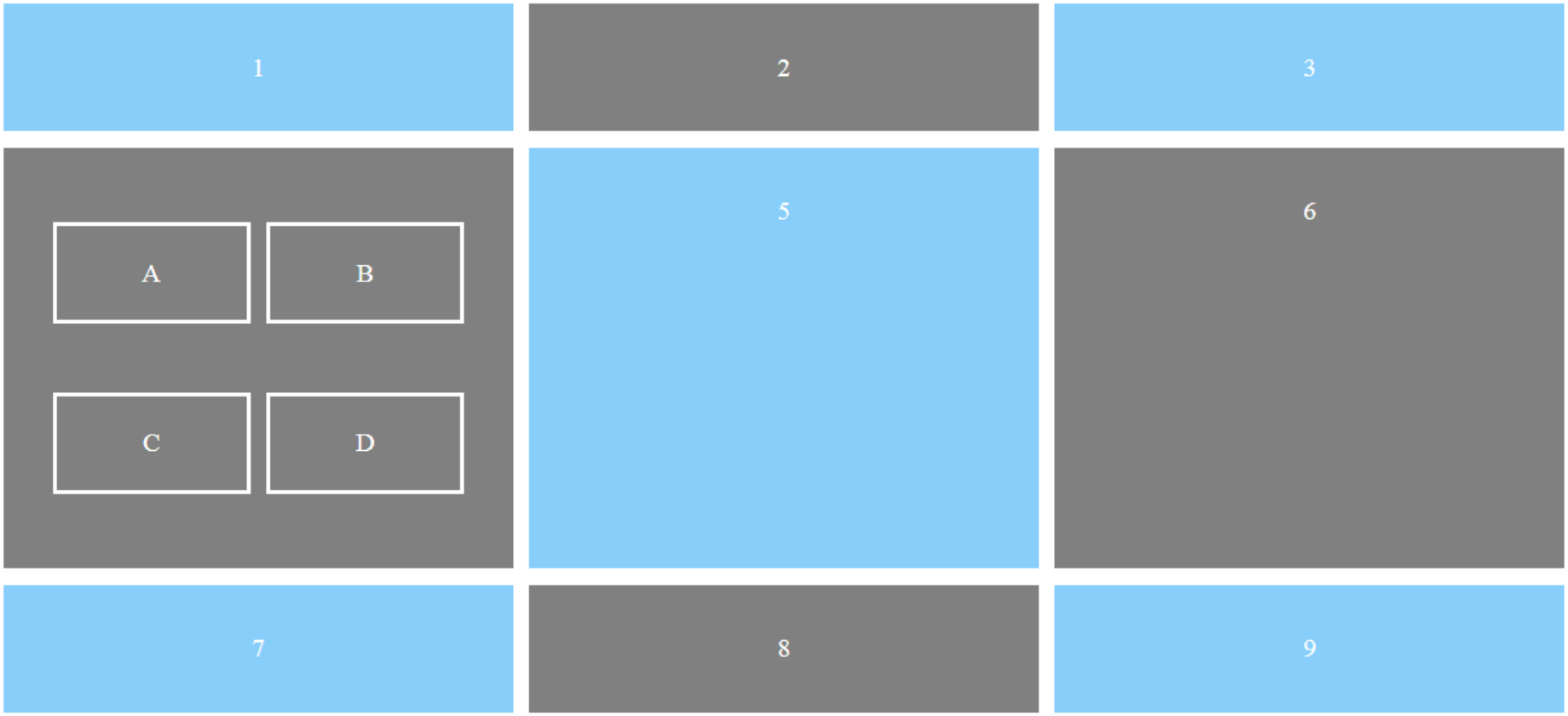

Nested Grids

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Nested Grids

```
.kotak4 {
    display: grid;
    grid-template-columns: 1fr 1fr;
    grid-gap: 10px;
}
.kotak4 p {
    border: 2px solid white;
    padding: 20px;
}
```

==========

```
<div class="kotak4">
    <p>A</p><p>B</p><p>C</p><p>D</p>
</div>
```

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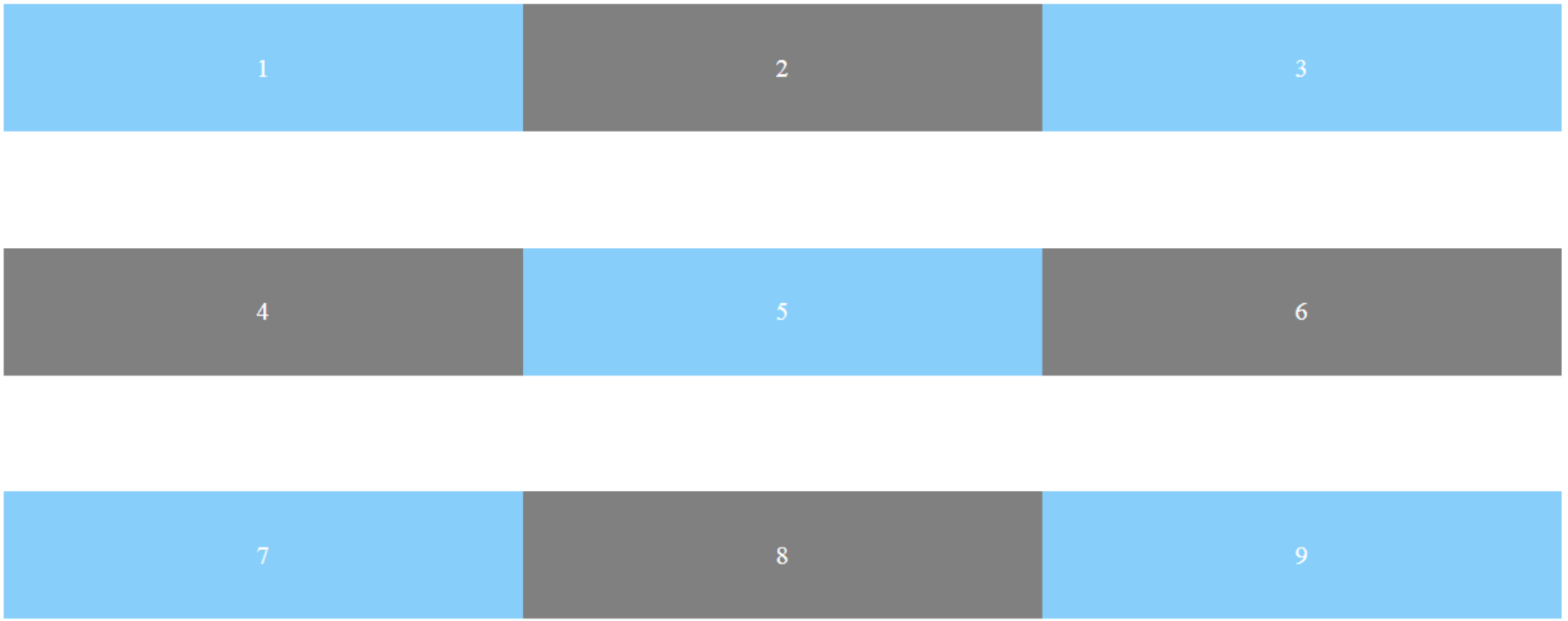

Align Items

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Align Items

```
#content{
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
    grid-auto-rows: 150px;
    max-width: 960px;
    margin: 0 auto;
    align-items: start;
}

    // align-items: stretch;
    // align-items: end;
    // align-items: center;
```

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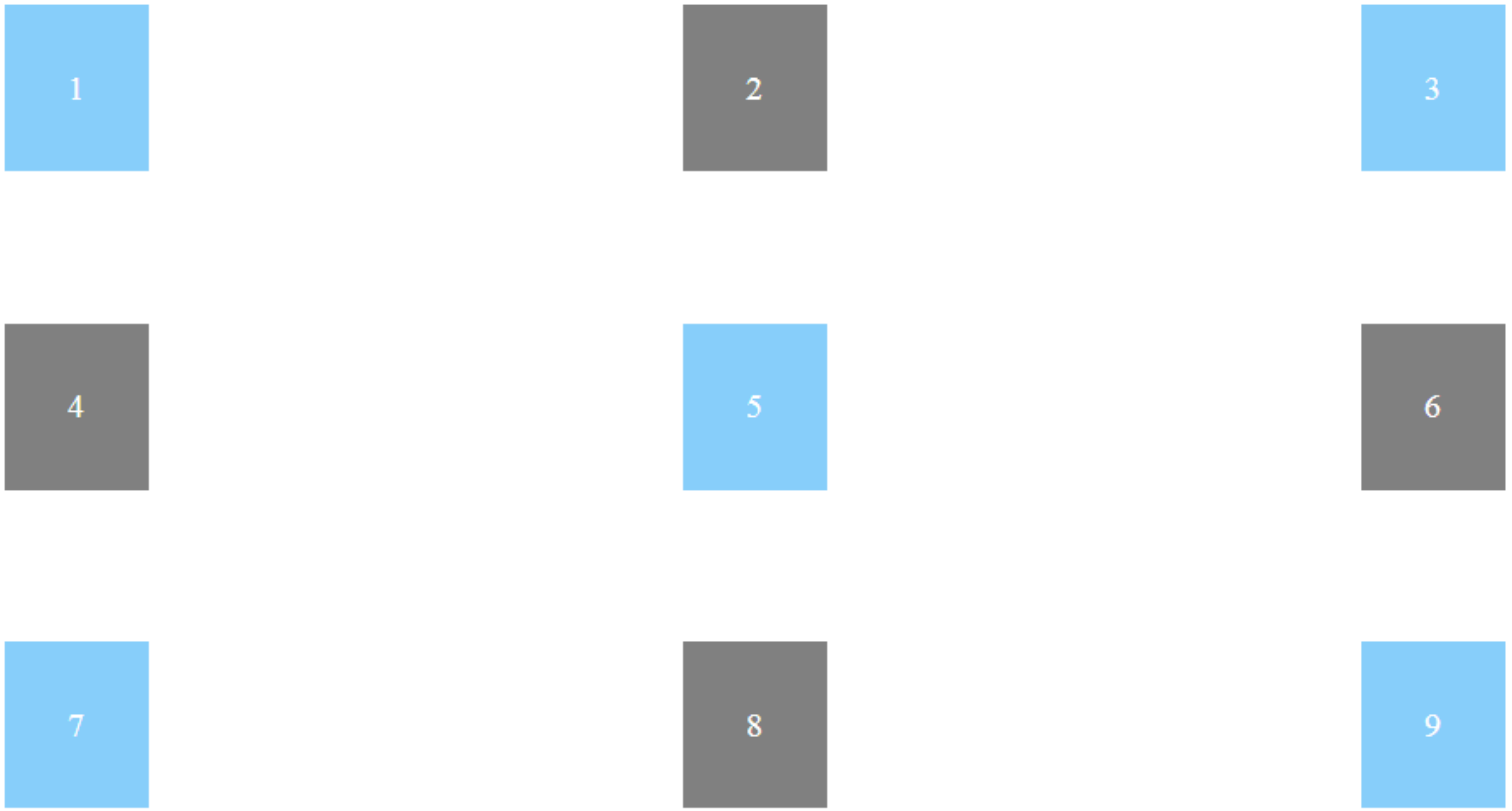

Justify Items

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Justify Items

```
#content{
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
    grid-auto-rows: 150px;
    max-width: 960px;
    margin: 0 auto;
    align-items: start;
    justify-items: start;
}

    // justify-items: stretch;
    // justify-items: end;
    // justify-items: center;
```

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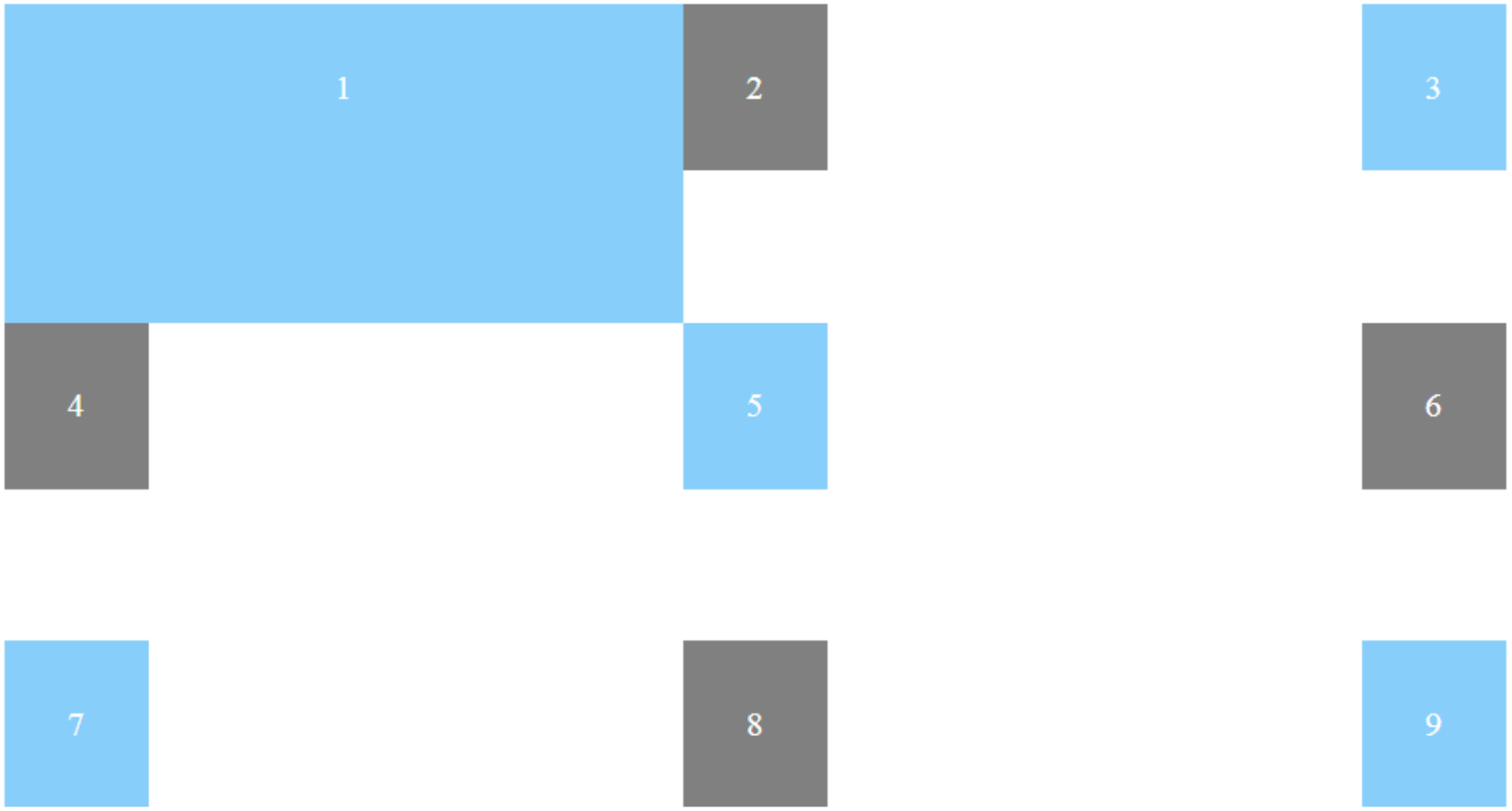

Align & Justify Self

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Align & Justify Self

```
.kotak1{
        align-self: stretch;
        justify-self: stretch;
}

// align-self: start;
// justify-self: end;
// justify-self: center;
```

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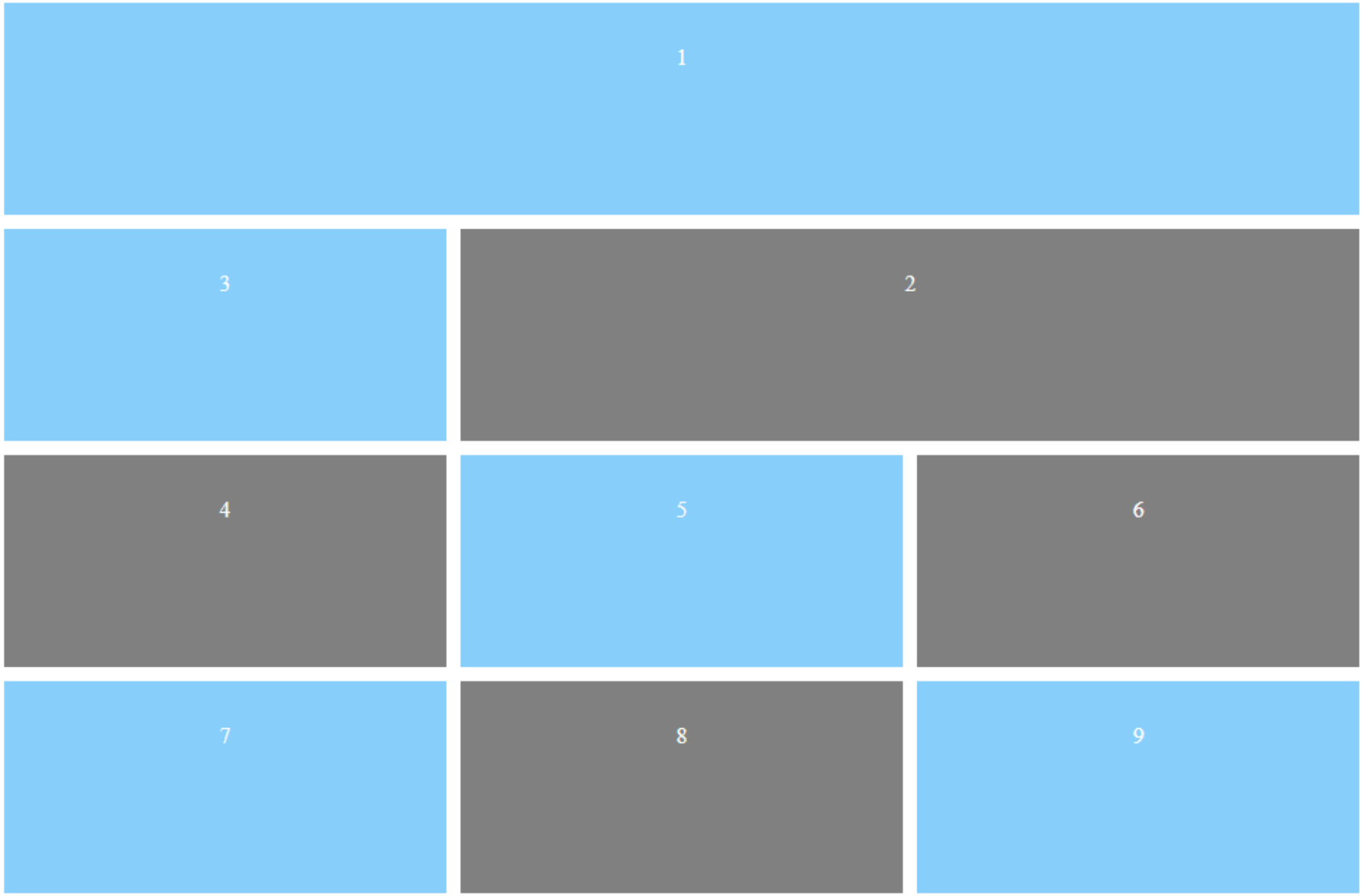

Grid Areas

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Grid Areas

```
#content{
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
    grid-auto-rows: 150px;
    grid-gap: 10px;
    max-width: 960px;
    margin: 0 auto;
    grid-template-areas:
      "area1 area1 area1"
      ". area2 area2";
    }
.kotak1{
    grid-area: area1;}
.kotak2{
    grid-area: area2;}
```

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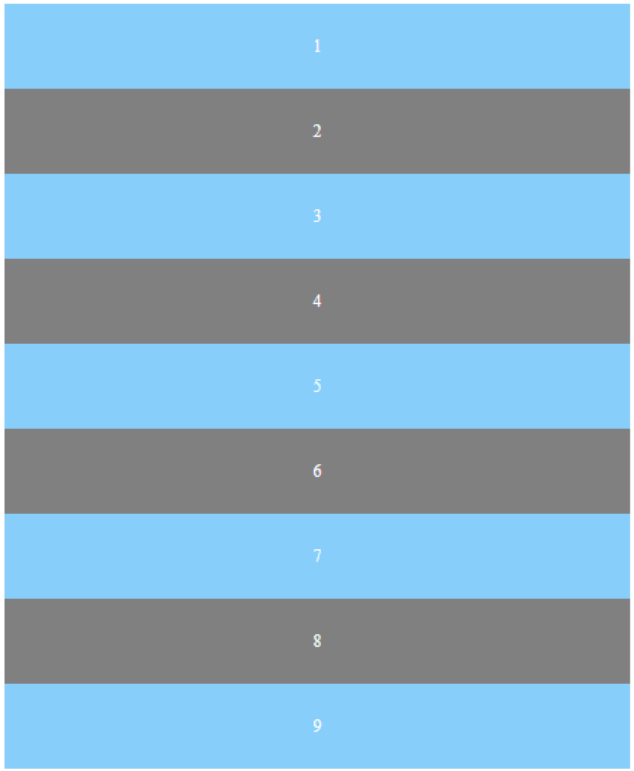
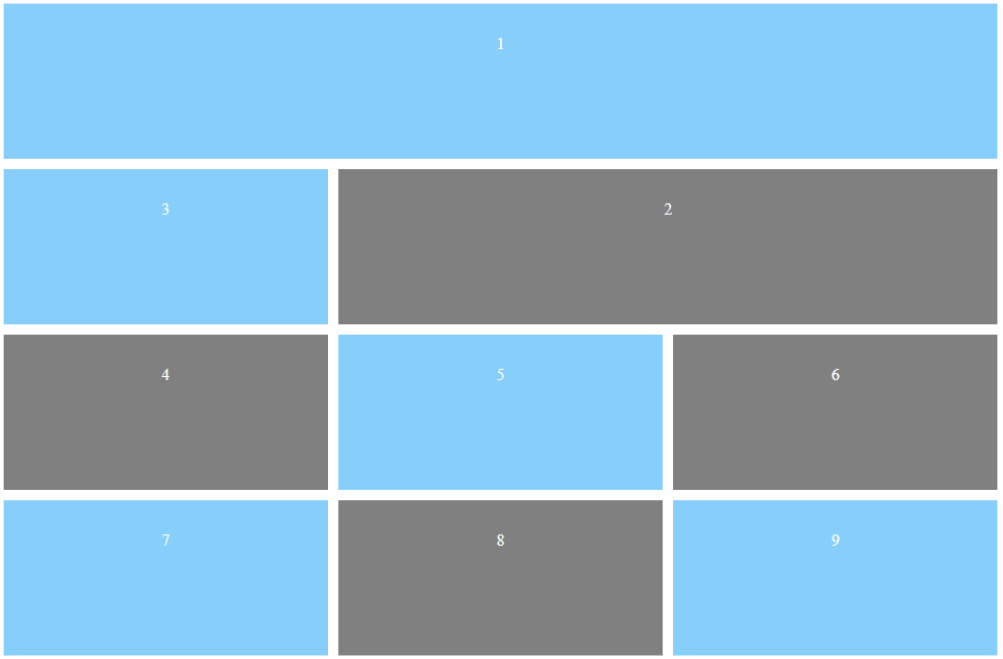
Responsive

<900px



>900px



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```
@media screen and (min-width: 900px){
    #content{
       display: grid;
       grid-template-columns: 1fr 1fr 1fr;
       grid-auto-rows: 150px;
       grid-gap: 10px;
       max-width: 960px;
       margin: 0 auto;
       grid-template-areas:
        "kotak1 kotak1 kotak1"
        ". kotak2 kotak2";
   }}
.kotak1{
    grid-area: kotak1;}
.kotak2{
    grid-area: kotak2;}
```

Responsive

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Front-End Development

Styling With CSS

#3 CSS Grid

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