```
 1  <!DOCTYPE html>
 2  <html lang="ko">
 3
 4  <head>
 5    <meta charset="UTF-8">
 6    <title>Grid Layout</title>
 7
 8    <style>
 9      .item1 {
10        grid-area: header;
11      }
12
13      .item2 {
14        grid-area: menu;
15      }
16
17      .item3 {
18        grid-area: main;
19      }
20
21      .item4 {
22        grid-area: right;
23      }
24
25      .item5 {
26        grid-area: footer;
27      }
28
29      .grid-container {
30        display: grid;
31        grid-template-areas:
32          'header header header header header header'
33          'menu main main main right right'
34          'menu footer footer footer footer footer';
35        grid-gap: 10px;
36        background-color: #2196F3;
37        padding: 10px;
38      }
39
40      .grid-container>div {
41        background-color: rgba(255, 255, 255, 0.8);
42        text-align: center;
43        padding: 20px 0;
44        font-size: 30px;
45      }
46    </style>
47  </head>
48
49  <body>
50    <h1>Grid Layout</h1>
51
52    <ul>
53      <li>CSS 그리드 레이아웃 모듈은 행과 열이있는 그리드 기반 레이아웃 시스템을 제공하므로 플로트와 위치
          지정없이 웹 페이지를 보다 쉽게 디자인 할 수 있다.</li>
54    </ul>
55    <hr>
56
57    <p>6 개의 열과 3 개의 행</p>
58
59    <div class="grid-container">
60      <div class="item1">Header</div>
61      <div class="item2">Menu</div>
62      <div class="item3">Main</div>
63      <div class="item4">Right</div>
64      <div class="item5">Footer</div>
```

```
65     </div>
66
67     <hr>
68     <h3>브라우저 지원 현황</h3>
69     <ul>
70       <li>크롬: 57.0+</li>
71       <li>엣지: 16.0+</li>
72       <li>파이어폭스: 52.0+</li>
73       <li>사파리: 10+</li>
74       <li>오페라: 44+</li>
75     </ul>
76   </body>
77
78 </html>
```

02_그리드요소.html

```
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: grid;
11       grid-template-columns: auto auto auto;
12       background-color: #2196F3;
13       padding: 10px;
14     }
15
16     .grid-item {
17       background-color: rgba(255, 255, 255, 0.8);
18       border: 1px solid rgba(0, 0, 0, 0.8);
19       padding: 20px;
20       font-size: 30px;
21       text-align: center;
22     }
23   </style>
24 </head>
25
26 <body>
27   <h1>Grid Elements</h1>
28
29   <ul>
30     <li>그리드 레이아웃에는 display 속성이 <em>grid</em> 또는 <em>inline-grid</em>로 설정된 상위 요소가
         있어야 한다.</li>
31     <li>그리드 레이아웃은 하나 이상의 자식 요소를 가진 부모 요소로 구성된다.</li>
32     <li>그리드 컨테이너의 자식 요소는 자동으로 그리드 항목(아이템)이 된다.</li>
33   </ul>
34
35   <div class="grid-container">
36     <div class="grid-item">1</div>
37     <div class="grid-item">2</div>
38     <div class="grid-item">3</div>
39     <div class="grid-item">4</div>
40     <div class="grid-item">5</div>
41     <div class="grid-item">6</div>
42     <div class="grid-item">7</div>
43     <div class="grid-item">8</div>
44     <div class="grid-item">9</div>
45   </div>
46
47 </body>
48
49 </html>
```

03_display.html

```
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: inline-grid;
11       grid-template-columns: auto auto auto;
12       background-color: #2196F3;
13       padding: 10px;
14     }
15
16     .grid-item {
17       background-color: rgba(255, 255, 255, 0.8);
18       border: 1px solid rgba(0, 0, 0, 0.8);
19       padding: 20px;
20       font-size: 30px;
21       text-align: center;
22     }
23   </style>
24 </head>
25
26 <body>
27   <h1>display</h1>
28
29   <ul>
30     <li>인라인 그리드 컨테이너를 만들려면 display 속성을 <em>inline-grid</em>로 설정한다.</li>
31   </ul>
32   <hr>
33
34   <div class="grid-container">
35     <div class="grid-item">1</div>
36     <div class="grid-item">2</div>
37     <div class="grid-item">3</div>
38     <div class="grid-item">4</div>
39     <div class="grid-item">5</div>
40     <div class="grid-item">6</div>
41     <div class="grid-item">7</div>
42     <div class="grid-item">8</div>
43     <div class="grid-item">9</div>
44   </div>
45
46 </body>
47
48 </html>
```

04_grid-column-gap.html

```
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: grid;
11       grid-column-gap: 50px;
12       grid-template-columns: auto auto auto;
13       background-color: #2196F3;
14       padding: 10px;
15     }
16
17     .grid-item {
18       background-color: rgba(255, 255, 255, 0.8);
19       border: 1px solid rgba(0, 0, 0, 0.8);
20       padding: 20px;
21       font-size: 30px;
22       text-align: center;
23     }
24   </style>
25  </head>
26
27  <body>
28    <h1>grid-column-gap</h1>
29
30    <ul>
31      <li>열(columns) 사이의 공간을 조정하려면 <em>grid-column-gap</em> 속성을 사용한다.</li>
32    </ul>
33    <hr>
34
35    <div class="grid-container">
36      <div class="grid-item">1</div>
37      <div class="grid-item">2</div>
38      <div class="grid-item">3</div>
39      <div class="grid-item">4</div>
40      <div class="grid-item">5</div>
41      <div class="grid-item">6</div>
42      <div class="grid-item">7</div>
43      <div class="grid-item">8</div>
44      <div class="grid-item">9</div>
45    </div>
46
47  </body>
48
49  </html>
```

05_grid-row-gap.html

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10        display: grid;
11        grid-row-gap: 50px;
12        grid-template-columns: auto auto auto;
13        background-color: #2196F3;
14        padding: 10px;
15      }
16
17      .grid-item {
18        background-color: rgba(255, 255, 255, 0.8);
19        border: 1px solid rgba(0, 0, 0, 0.8);
20        padding: 20px;
21        font-size: 30px;
22        text-align: center;
23      }
24    </style>
25  </head>
26
27  <body>
28    <h1>grid-row-gap</h1>
29
30    <ul>
31      <li>행(rows) 사이의 공간을 조정하려면 <em>grid-row-gap</em> 속성을 사용한다.</li>
32    </ul>
33    <hr>
34
35    <div class="grid-container">
36      <div class="grid-item">1</div>
37      <div class="grid-item">2</div>
38      <div class="grid-item">3</div>
39      <div class="grid-item">4</div>
40      <div class="grid-item">5</div>
41      <div class="grid-item">6</div>
42      <div class="grid-item">7</div>
43      <div class="grid-item">8</div>
44      <div class="grid-item">9</div>
45    </div>
46
47  </body>
48
49  </html>
```

06_grid-gap-1.html

```
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: grid;
11       grid-gap: 50px;
12       grid-template-columns: auto auto auto;
13       background-color: #2196F3;
14       padding: 10px;
15     }
16
17     .grid-item {
18       background-color: rgba(255, 255, 255, 0.8);
19       border: 1px solid rgba(0, 0, 0, 0.8);
20       padding: 20px;
21       font-size: 30px;
22       text-align: center;
23     }
24   </style>
25 </head>
26
27 <body>
28   <h1>grid-gap</h1>
29
30   <ul>
31     <li>행과 열 사이의 공간을 조정할 때에는 <em>grid-gap</em> 속성을 사용한다.</li>
32   </ul>
33   <hr>
34
35   <div class="grid-container">
36     <div class="grid-item">1</div>
37     <div class="grid-item">2</div>
38     <div class="grid-item">3</div>
39     <div class="grid-item">4</div>
40     <div class="grid-item">5</div>
41     <div class="grid-item">6</div>
42     <div class="grid-item">7</div>
43     <div class="grid-item">8</div>
44     <div class="grid-item">9</div>
45   </div>
46
47 </body>
48
49 </html>
```

06_grid-gap-2.html

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10        display: grid;
11        grid-gap: 20px 50px;
12        grid-template-columns: auto auto auto;
13        background-color: #2196F3;
14        padding: 10px;
15      }
16
17      .grid-item {
18        background-color: rgba(255, 255, 255, 0.8);
19        border: 1px solid rgba(0, 0, 0, 0.8);
20        padding: 20px;
21        font-size: 30px;
22        text-align: center;
23      }
24    </style>
25  </head>
26
27  <body>
28    <h1>grid-gap</h1>
29
30    <ul>
31      <li>행과 열 사이의 공간을 조정할 때에는 <em>grid-gap</em> 속성을 사용한다.</li>
32      <li>행과 열의 공간을 따로 지정할 경우 <em>grid-gap: row column</em> 형태로 값을 부여한다.</li>
33    </ul>
34    <hr>
35
36    <div class="grid-container">
37      <div class="grid-item">1</div>
38      <div class="grid-item">2</div>
39      <div class="grid-item">3</div>
40      <div class="grid-item">4</div>
41      <div class="grid-item">5</div>
42      <div class="grid-item">6</div>
43      <div class="grid-item">7</div>
44      <div class="grid-item">8</div>
45      <div class="grid-item">9</div>
46    </div>
47
48  </body>
49
50  </html>
```

08_ColumnLines.html

```html
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: grid;
11       grid-template-columns: auto auto auto;
12       grid-gap: 10px;
13       background-color: #2196F3;
14       padding: 10px;
15     }
16
17     .grid-container>div {
18       background-color: rgba(255, 255, 255, 0.8);
19       text-align: center;
20       padding: 20px 0;
21       font-size: 30px;
22     }
23
24     .item1 {
25       grid-column-start: 1;
26       grid-column-end: 3;
27     }
28   </style>
29  </head>
30
31  <body>
32    <h1>Grid Lines</h1>
33
34    <ul>
35      <li>그리드 항목을 배치 할 때 <em>Column Lines</em> 을 참조하여 영역을 확장할 수 있다.</li>
36    </ul>
37    <hr>
38
39    <div class="grid-container">
40      <div class="item1">1</div>
41      <div class="item2">2</div>
42      <div class="item3">3</div>
43      <div class="item4">4</div>
44      <div class="item5">5</div>
45      <div class="item6">6</div>
46      <div class="item7">7</div>
47      <div class="item8">8</div>
48    </div>
49
50  </body>
51
52  </html>
```

09_RowLines.html

```
1  <!DOCTYPE html>
2  <html lang="ko">
3
4  <head>
5    <meta charset="UTF-8">
6    <title>Grid Layout</title>
7
8    <style>
9      .grid-container {
10       display: grid;
11       grid-template-columns: auto auto auto;
12       grid-gap: 10px;
13       background-color: #2196F3;
14       padding: 10px;
15     }
16
17     .grid-container>div {
18       background-color: rgba(255, 255, 255, 0.8);
19       text-align: center;
20       padding: 20px 0;
21       font-size: 30px;
22     }
23
24     .item1 {
25       grid-row-start: 1;
26       grid-row-end: 3;
27     }
28   </style>
29 </head>
30
31 <body>
32   <h1>Grid Lines</h1>
33
34   <ul>
35     <li>그리드 항목을 배치 할 때 <em>Row Lines</em> 을 참조하여 영역을 확장할 수 있다.</li>
36   </ul>
37   <hr>
38
39   <div class="grid-container">
40     <div class="item1">1</div>
41     <div class="item2">2</div>
42     <div class="item3">3</div>
43     <div class="item4">4</div>
44     <div class="item5">5</div>
45     <div class="item6">6</div>
46     <div class="item7">7</div>
47     <div class="item8">8</div>
48   </div>
49
50 </body>
51
52 </html>
```