




Ex01



.html


```
1  .container{
2      width: 500px;
3      height: 320px;
4      background-color: black;
5      padding: 0px;
6
7      position: relative;
8
9  }
10
11  .child1{
12      position: absolute;
13      top: 100px;
14      left: 100px;
15      translate: -100px -100px;
16
17      width: 100px;
18      height: 100px;
19      background-color: red;
20
21      /* Text alignment */
22      display: flex;
23      justify-content: center;
24      align-items: center;
25  }
26
27  .child2{
28      position: absolute;
29      top: 100px;
30      right: 400px;
31      translate: 800px -100px;
32
33      width: 400px;
34      height: 100px;
35      background-color: lime;
36
37      /* Text alignment */
```

.CSS

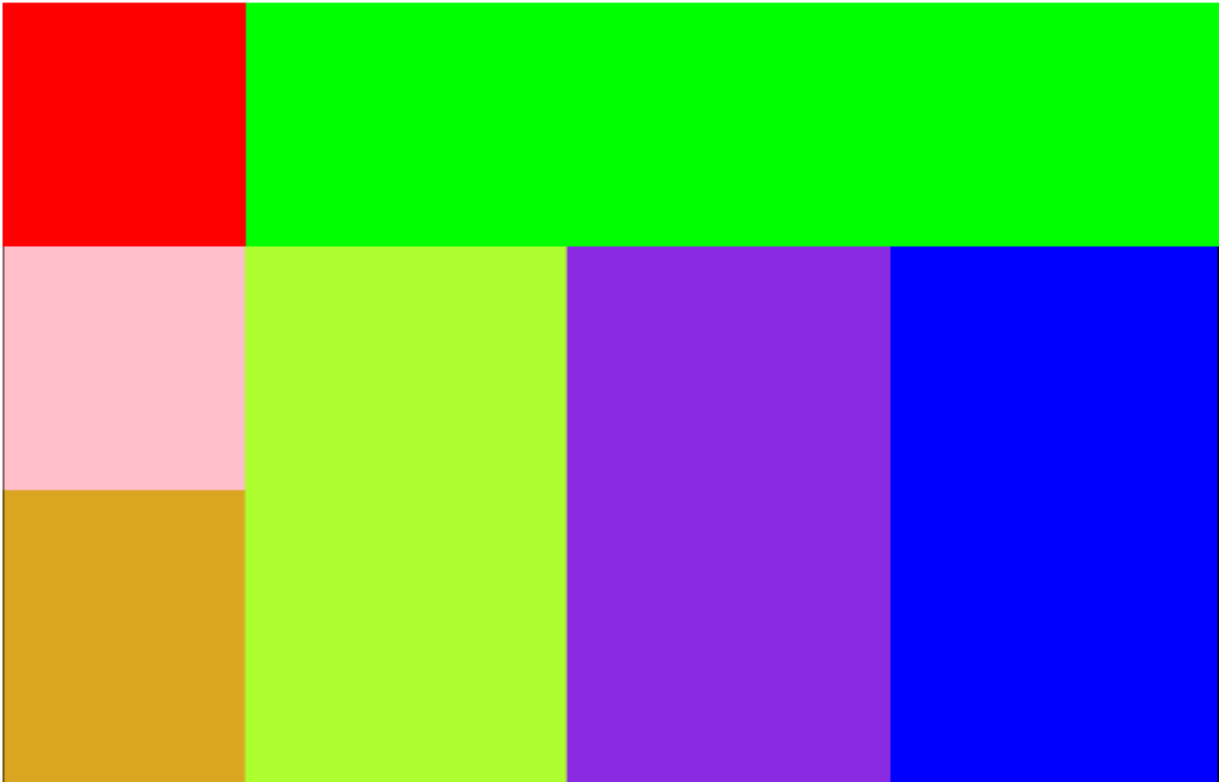
```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex1.css">
8
9  </head>
10 <body>
11
12     <div class="container">
13         <div class="child1">
14             <div class="child2">
15                 <div class="child3">
16                     <div class="child4">
17                         <div class="child5">
18                             <div class="child6">
19                                 <div class="child7">
20
21                             </div>
22                         </div>
23                     </div>
24                 </div>
25             </div>
26         </div>
27     </div>
28
29 </body>
30 </html>
```

```
38     display: flex;
39     justify-content: center;
40     align-items: center;
41
42 }
43
44 .child3{
45     position: absolute;
46     bottom: 100px;
47     translate: -250px 200px;
48
49     width: 100px;
50     height: 100px;
51     background-color: #pink;
52
53     /* Text alignment */
54 display: flex;
55 justify-content: center;
56 align-items: center;
57
58 }
59
60 .child4{
61
62     position: absolute;
63     bottom: 100px;
64     translate: 0px 220px;
65
66     width: 100px;
67     height: 120px;
68     background-color: #goldenrod;
69
70     /* Text alignment */
71 display: flex;
72 justify-content: center;
73 align-items: center;
```

```
73     align-items: center;
74
75 }
76
77 .child5{
78
79     position: absolute;
80     bottom: 100px;
81     translate: 116px 100px;
82
83     width: 133px;
84     height: 220px;
85     background-color: greenyellow;
86
87     /* Text alignment */
88     display: flex;
89     justify-content: center;
90     align-items: center;
91
92 }
93
94 .child6{
95
96     position: absolute;
97     bottom: 100px;
98     translate: 133px 100px;
99
100    width: 134px;
101    height: 220px;
102    background-color: blueviolet;
103
104    /* Text alignment */
105    display: flex;
106    justify-content: center;
107    align-items: center;
108
```

```
108
109     }
110
111     .child7{
112
113         position: absolute;
114         bottom: 100px;
115         translate: 133px 100px;
116
117         width: 134px;
118         height: 220px;
119         background-color: blue;
120
121         /* Text alignment */
122         display: flex;
123         justify-content: center;
124         align-items: center;
125
126     }
```

Output






Ex02

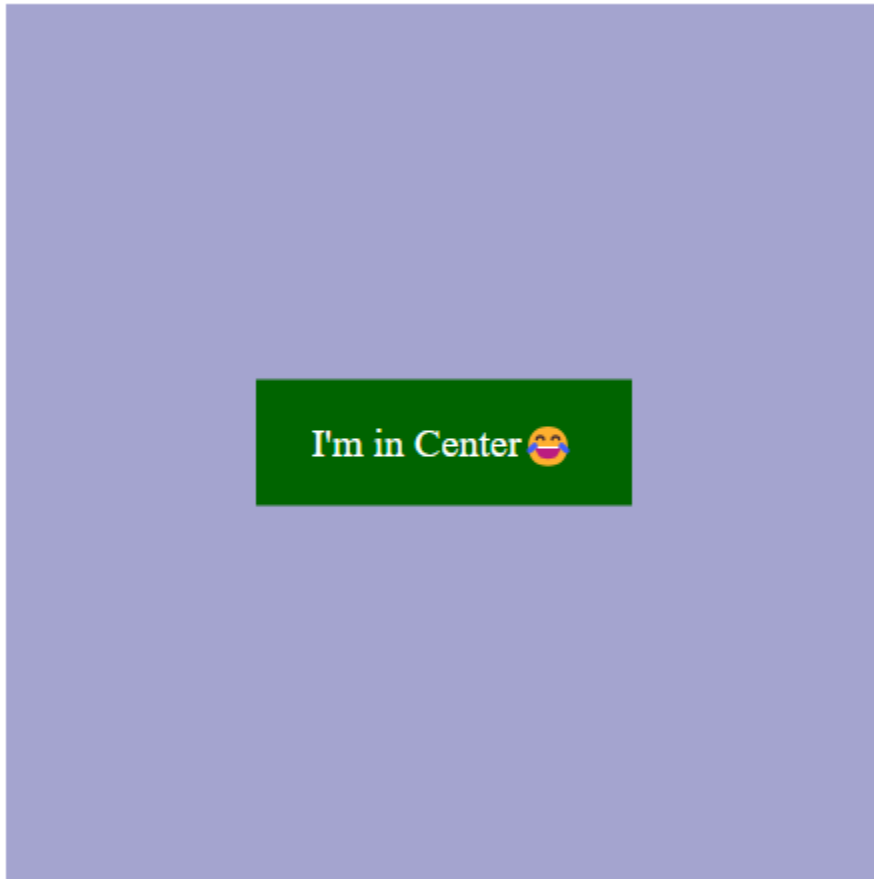
.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex2.css">
8  </head>
9  <body>
10
11      <div class="wrapper">
12          <div class="flying-box">
13              I'm in Center <span>#128514;</span>
14          </div>
15      </div>
16  </body>
17
18 </html>
```

.CSS


```
1  .wrapper {
2      width: 350px;
3      height: 350px;
4      background-color:  rgb(164, 164, 207);
5      padding: 0px;
6
7      position: relative;
8
9  }
10
11  .flying-box {
12      position: absolute;
13      bottom: 100px;
14      translate: 100px -50px;
15
16      width: 150px;
17      height: 50px;
18      background-color:  darkgreen;
19      color:  white;
20
21
22      /* Text alignment */
23      display: flex;
24      justify-content: center;
25      align-items: center;
26
27  }
28
```


Output






Ex03

.html

```
<> ex3.html >  html
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex3.css">
8  </head>
9  <body>
10
11      <div class="wrapper">
12
13          <div class="flying-box">
14              I'm really in center <span>#128561;</span>
15          </div>
16      </div>
17  </div>
18
19 </body>
20 </html>
21
```

.css

```
1  .wrapper{
2
3      display: flex;
4      justify-content: center;
5      align-items: center;
6      background-color:  darkgreen;
7      width: 350px;
8      height: 350px;
9  }
10
11  .flying-box{
12
13      width: 150px;
14      height: 25px;
15      background-color:  white;
16      color:  black;
17  }
18
```

Output

I'm really in center 🤖

EX04

.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex4.css">
8  </head>
9  <body>
10
11      <div class="container">
12          <div class="child1">
13              <div class="box box1">&#129322;</div>
14              <div class="box box2">&#128540;</div>
15              <div class="box box3">&#128567;</div>
16
17          </div>
18          <div class="child2">
19              <div class="box box4">&#129322;</div>
20              <div class="box box5">&#128540;</div>
21              <div class="box box6">&#128567;</div>
22          </div>
23          <div class="child3">
24              <div class="box box7">&#129322;</div>
25              <div class="box box8">&#128540;</div>
26              <div class="box box9">&#128567;</div>
27          </div>
28          <div class="child4">
29              <div class="box box9">&#129322;</div>
30              <div class="box box11">&#128540;</div>
31
32          </div>
33      </div>
34  </div>
35
36 </body>
37 </html>
```

.CSS

```
1  .container {
2      display: flex;
3      justify-content: space-evenly;
4      align-items: stretch;
5      height: 220px; /* Adjust as needed */
6      background-color: #blueviolet;
7
8  }
9
10 .child1,
11 .child2,
12 .child3,
13 .child4 {
14     display: flex;
15     flex-direction: column; /* Arrange boxes in columns */
16 }
17
18 .box {
19     width: 200px;
20     height: 60px;
21     display: flex;
22     justify-content: center;
23     align-items: center;
24     border-radius: 5px;
25     border: 1px solid #rgb(243, 236, 236);
26     background-color: #azure;
27     margin: 5px; /* Adjust spacing between boxes */
28     margin-bottom: 10px;
29     margin-top: 10px;
30 }
31 .child4 .box:nth-child(1),
32 .child4 .box:nth-child(2) {
33     width: 200px; /* Match width of other boxes */
34     height: 51px;
35
36
37 }
```

Output



Ex05

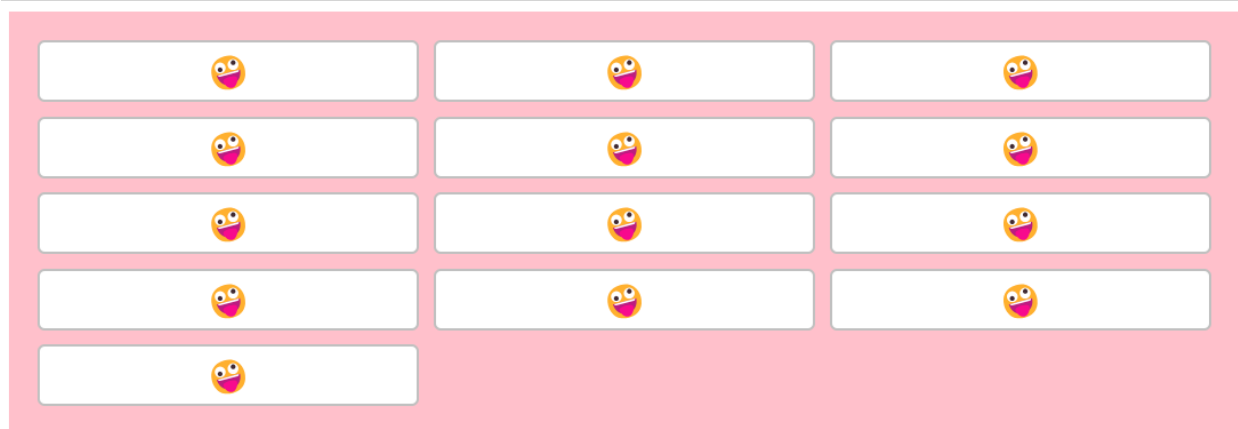
.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex5.css">
8  </head>
9  <body>
10     <div class="container">
11         <div class="elements">&#129322;</div>
12         <div class="elements">&#129322;</div>
13         <div class="elements">&#129322;</div>
14         <div class="elements">&#129322;</div>
15         <div class="elements">&#129322;</div>
16         <div class="elements">&#129322;</div>
17         <div class="elements">&#129322;</div>
18         <div class="elements">&#129322;</div>
19         <div class="elements">&#129322;</div>
20         <div class="elements">&#129322;</div>
21         <div class="elements">&#129322;</div>
22         <div class="elements">&#129322;</div>
23         <div class="elements">&#129322;</div>
24     </div>
25 </body>
26 </html>
```

.CSS

```
1  .container {
2      display: grid;
3      grid-template-columns: repeat(3, 1fr);
4      gap: 10px;
5      padding: 20px;
6      background-color: #pink;
7  }
8
9  .elements {
10     display: flex;
11     justify-content: center;
12     align-items: center;
13     font-size: 24px;
14     border: 2px solid #silver;
15     border-radius: 5px;
16     height: 40px;
17     background-color: #white;
18 }
19
20
21 @media screen and (max-width: 480px) {
22     .container {
23         grid-template-columns: repeat(1, 1fr);
24     }
25 }
26
```


Output



Ex06

.html

```
<> ex6.html > html > body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4    <meta charset="UTF-8">
5    <meta name="viewport" content="width=device-width, initial-scale=1.0">
6    <title>Document</title>
7    <link rel="stylesheet" href="ex6.css">
8  </head>
9  <body>
10   <div class="wrapper1">
11     <div class="content">
12       <span class="small">I'm SMALL &#128549;</span></div>
13     </div>
14     <div class="wrapper2">
15       <div class="content">
16         <span class="big">I'm Big &#129322;</span></div>
17       </div>
18     </div>
19   </body>
20 </html>
21
```

.CSS

```
1  .wrapper1{
2
3      display: grid;
4      grid-template-columns: repeat(3, 1fr);
5      gap: 10px;
6      padding: 20px;
7      background-color: #pink;
8      margin-bottom: 20px;
9  }
10 .wrapper2{
11
12     display: grid;
13     grid-template-columns: repeat(3, 1fr);
14     gap: 10px;
15     padding: 20px;
16     background-color: #pink;
17 }
18 @media only screen and (min-height:100px){
19     .big {
20
21         font-size: 48px; /* Increase font size for bigger screens */
22     }
23
24 }
25 @media only screen and (min-height:100px){
26     .small {
27         font-size: 16px; /* Increase font size for bigger screens */
28     }
29
30 }
31
```

Output

I'm SMALL



I'm
Big



Ex07

.html

```
ex7.html > ...
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex7.css">
8  </head>
9  <body>
10     <div class="wrapper">
11         <div class="content">
12
13         </div>
14     </div>
15
16 </body>
17 </html>
18
```

.CSS

```
1  .wrapper {
2      width: clamp(700px, 100%, 800px);
3      margin: 0 auto; /* Center the wrapper horizontally */
4      background-color: lightblue; /* Just for visualization */
5  }
6
7  /* Additional styles for the content if needed */
8  .content {
9      padding: 20px;
10     text-align: center;
11     height: 500px;
12 }
13
```

Output



Ex08

.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Animation & variable</title>
7      <link rel="stylesheet" href="ex8.css">
8      <style>
9      |     </style>
10 </head>
11 <body>
12 |
13     <div class="wrapper1">
14         <span class="drop1" style="--order: 1">&#129395;</span>
15         <span class="drop2" style="--order: 2">&#128540;</span>
16     </div>
17
18     <div class="wrapper2">
19         <span class="drop3" style="--order: 3">&#129395;</span>
20         <span class="drop4" style="--order: 4">&#128540;</span>
21         <span class="drop5" style="--order: 5">&#129321;</span>
22     </div>
23 </body>
24 </html>
```

.CSS

```
1  .wrapper1{
2      width: 250px;
3      height: 150px;
4      background-color: #586e7c;
5      padding: 0px;
6      border-radius: 0px;
7
8      position: relative;
9  }
10 .drop1{
11     position: absolute;
12     top: 40px;
13     left: 40px;
14 }
15 .drop2{
16     position: absolute;
17     top: 0px;
18     left: 80px;
19 }
20
21 .wrapper2{
22     width: 250px;
23     height: 150px;
24     top: 20px;
25     background-color: #b19cd9;
26     padding: 0px;
27     border-radius: 0px;
28
29     position: relative;
30 }
31 .drop3{
32     position: absolute;
33     top: 70px;
34     left: 50px;
35 }
36 .drop4{
37     position: absolute;
```

```
36 .drop4{  
37     position: absolute;  
38     top: 70px;  
39     left: 115px;  
40 }  
41 .drop5{  
42     position: absolute;  
43     top: 70px;  
44     left: 175px;  
45 }
```

Output



Ex09

.html

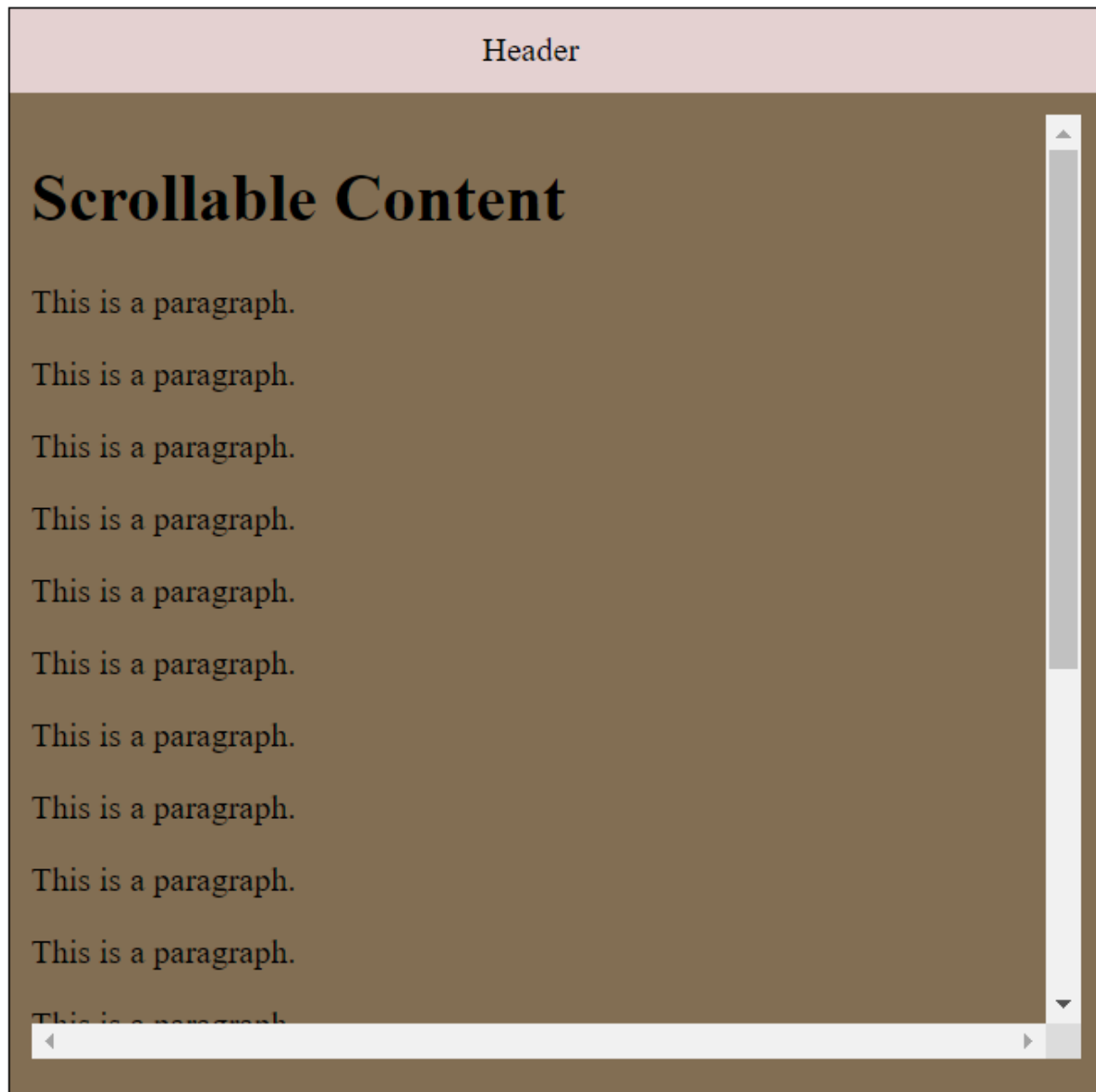
```
ex9.html / <html / <body / <div.container / <div.content / <div>
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Scrollable Content</title>
7      <link rel="stylesheet" href="ex9.css">
8
9  </head>
10 <body>
11
12
13     <div class="container">
14
15         <div class="box">
16             <div class="header">
17                 Header
18             </div>
19         </div>
20         <div class="content">
21             <div id="" style="overflow:scroll; height:450px;">
22                 <h1>Scrollable Content</h1>
23                 <p>This is a paragraph.</p>
24                 <p>This is a paragraph.</p>
25                 <p>This is a paragraph.</p>
26                 <p>This is a paragraph.</p>
27                 <p>This is a paragraph.</p>
28                 <p>This is a paragraph.</p>
29                 <p>This is a paragraph.</p>
30                 <p>This is a paragraph.</p>
31                 <p>This is a paragraph.</p>
32                 <p>This is a paragraph.</p>
33                 <p>This is a paragraph.</p>
34                 <p>This is a paragraph.</p>
35                 <p>This is a paragraph.</p>
36                 <p>This is a paragraph.</p>
37                 <p>This is a paragraph.</p>
```

```
37     <p>This is a paragraph.</p>
38     <p>This is a paragraph.</p>
39     <p>This is a paragraph.</p>
40     <p>This is a paragraph.</p>
41 </div>
42 </div>
43 </body>
44 </html>
```

.CSS

```
1  .container{
2      width: 500px;
3      height: 500px;
4      background-color: #808080;
5      padding: 10px;
6      border: 1px solid black;
7      position: relative;
8  }
9  .box{
10     position: relative;
11     width: 520px;
12     height: 40px;
13     top: -10px;
14     left: -10px;
15     background-color: #808080;
16 }
17 .header{
18     position: absolute;
19     top: 10px;
20     left: 225px;
21 }
```

Output



Ex10

.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex10.css">
8  </head>
9  <body>
10     <div class="grid-container">
11         <div class="header">Scroll Vertically</div>
12         <div class="scroll">
13             <div class="grid-item"></div>
14             <div class="grid-item"></div>
15             <div class="grid-item"></div>
16             <div class="grid-item"></div>
17             <div class="grid-item"></div>
18             <div class="grid-item"></div>
19             <div class="grid-item"></div>
20             <div class="grid-item"></div>
21             <div class="grid-item"></div>
22             <div class="grid-item"></div>
23             <div class="grid-item"></div>
24             <div class="grid-item"></div>
25             <div class="grid-item"></div>
26             <div class="grid-item"></div>
27             <div class="grid-item"></div>
28             <div class="grid-item"></div>
29             <div class="grid-item"></div>
30             <div class="grid-item"></div>
31             <div class="grid-item"></div>
32             <div class="grid-item"></div>
33             <div class="grid-item"></div>
34             <div class="grid-item"></div>
35             <div class="grid-item"></div>
36             <div class="grid-item"></div>
37         </div>
```

.CSS

```
1  .grid-container{
2      width: 510px;
3      display: grid;
4      border: 5px solid #000000;
5      padding: 5px;
6  }
7
8  .header{
9      margin-left: 5px;
10     height: 50px;
11     display: flex;
12     align-items: center;
13     justify-content: center;
14     background-color: #ff69b4;
15     color: white;
16     grid-column: 1 / -1;
17 }
18 .scroll{
19     margin-top: 10px;
20     overflow-x: hidden;
21     display: grid;
22     grid-template-columns: repeat(4, 1fr);
23     grid-gap: 6px;
24     max-height: 400px;
25 }
26 .grid-item {
27     width: 90px;
28     height: 90px;
29     background-color: #90ee90;
30     margin-left: 5px;
31     padding: 10px;
32 }
33
34 /* width */
35 ::-webkit-scrollbar {
36     width: 13px;
37 }
```

```
37 }
38
39 /* Track */
40 ::-webkit-scrollbar-track {
41     box-shadow: inset 0 0 5px grey;
42     border-radius: 10px;
43 }
44
45 /* Handle */
46 ::-webkit-scrollbar-thumb {
47     background: rgb(131, 131, 131);
48     border-radius: 10px;
49 }
50
51 /* Handle on hover */
52 ::-webkit-scrollbar-thumb:hover {
53     background: rgb(82, 82, 82);
54 }
```

Output

Scroll Vertically			

Ex11

.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7      <link rel="stylesheet" href="ex11.css">
8  </head>
9  <body>
10     <div class="grid-container">
11         <div class="header">Scroll Horizontally</div>
12         <div class="scroll">
13             <div class="grid-item"></div>
14             <div class="grid-item"></div>
15             <div class="grid-item"></div>
16             <div class="grid-item"></div>
17             <div class="grid-item"></div>
18             <div class="grid-item"></div>
19             <div class="grid-item"></div>
20             <div class="grid-item"></div>
21             <div class="grid-item"></div>
22             <div class="grid-item"></div>
23             <div class="grid-item"></div>
24             <div class="grid-item"></div>
25             <div class="grid-item"></div>
26             <div class="grid-item"></div>
27             <div class="grid-item"></div>
28             <div class="grid-item"></div>
29             <div class="grid-item"></div>
30             <div class="grid-item"></div>
31             <div class="grid-item"></div>
32             <div class="grid-item"></div>
33             <div class="grid-item"></div>
34             <div class="grid-item"></div>
35             <div class="grid-item"></div>
36             <div class="grid-item"></div>
37         </div>
```


.CSS

```
1  .grid-container{
2      width: 510px;
3      display: grid;
4      border: 5px solid ■ #000000;
5      padding: 5px;
6  }
7
8  .header{
9      margin-left: 5px;
10     height: 50px;
11     display: flex;
12     align-items: center;
13     justify-content: center;
14     background-color: ■ hotpink;
15     color: ■ white;
16     grid-column: 1 / -1;
17 }
18 .scroll{
19     margin-top: 10px;
20     overflow-y: hidden;
21     display: grid;
22     grid-template-columns: repeat(12, 1fr);
23     grid-gap: 6px;
24     max-height: 400px;
25 }
26 .grid-item {
27     width: 90px;
28     height: 90px;
29     background-color: ■ lightgreen;
30     margin-left: 5px;
31     margin-bottom: 10px;
32     padding: 10px;
33 }
34
35 /* width */
36 ::-webkit-scrollbar {
37     height: 15px;
```

```
36 | }
37 |     height: 15px;
38 | }
39 |
40 | /* Track */
41 | ::-webkit-scrollbar-track {
42 |     box-shadow: inset 0 0 5px grey;
43 |     border-radius: 10px;
44 | }
45 |
46 | /* Handle */
47 | ::-webkit-scrollbar-thumb {
48 |     background: rgb(131, 131, 131);
49 |     border-radius: 10px;
50 | }
51 |
52 | /* Handle on hover */
53 | ::-webkit-scrollbar-thumb:hover {
54 |     background: rgb(82, 82, 82);
55 | }
```

Output

