

TEMA 1

Diseño de Interfaces Webs

FLEX BOX

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TEMA 1. DISEÑO DE INTERFACES WEBS

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ACTIVIDAD 1

EJEMPLO 1:



RESULTADO, TODOS mantienen las mismas propiedades generales y la misma estructura HTML

ACT 1



```
1 /* ----- */
2 /* GENERALES */
3 /* ----- */
4
5 :root {
6   --principio: #122838;
7   --final: #4698d4;
8 }
9
10 body,
11 html {
12   margin: 0;
13   padding: 0;
14   justify-content: center;
15   font-family: Arial, Helvetica, sans-serif;
16 }
17
18 div, section {
19   display: flex;
20 }
```

```
1 /* ----- */
2 /* ACTIVIDAD 1 */
3 /* ----- */
4 .act1 {
5   background: linear-gradient(to right, var(--principio), var(--final));
6
7   /* el > aplica a todos los hijos */
8   &div {
9     /* el flex es de la nueva propiedad explicada */
10    flex: 1;
11  }
12
13 & div {
14   width: 13vw;
15   border: 1px solid;
16   align-items: center;
17   justify-content: center;
18   color: white;
19 }
20
21 }
```

```
1 <h1>ACT 1</h1>
2 <section class="act1">
3   <div>
4     <h1>1</h1>
5   </div>
6   <div>
7     <h1>2</h1>
8   </div>
9   <div>
10    <h1>3</h1>
11  </div>
12  <div>
13    <h1>4</h1>
14  </div>
15  <div>
16    <h1>5</h1>
17  </div>
18  <div>
19    <h1>6</h1>
20  </div>
21  <div>
22    <h1>7</h1>
23  </div>
24 </section>
```

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ACTIVIDAD 2

EJEMPLO 2:

7

6

5

4

3

2

1

ACT 2

7

6

5

4

3

2

1



```
1  /* ----- */
2  /* ACTIVIDAD 2      */
3  /* ----- */
4
5  .act2 {
6      background: linear-gradient(to right, var(--final), var(--principio));
7      flex-direction: row-reverse;
8
9      /* el > aplica a todos los hijos */
10     &>div {
11         /* el flex es de la nueva propiedad explicada */
12         flex: 1;
13     }
14
15     & div {
16         width: 13vw;
17         border: 1px solid;
18         align-items: center;
19         justify-content: center;
20         color: white;
21     }
22 }
```

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ACTIVIDAD 3

ACT 3

EJEMPLO 3:

1	1
2	2
3	3
4	4
5	5
6	6
7	7



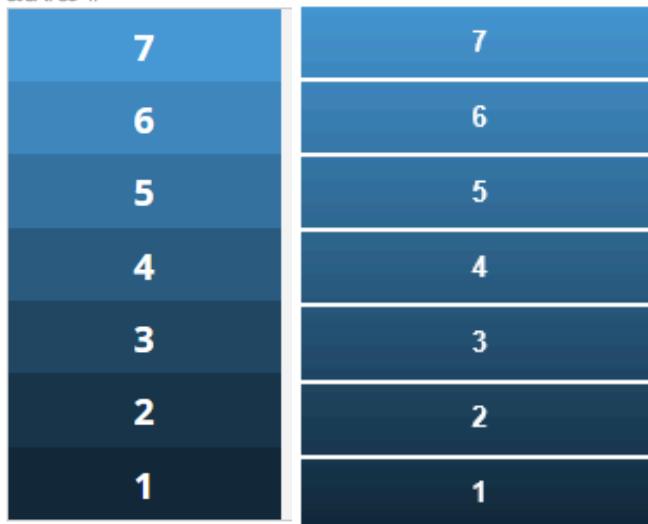
```
● ● ●
1  /* ----- */
2  /* ACTIVIDAD 3      */
3  /* ----- */
4  .act3 {
5      background: linear-gradient(to top, var(--final), var(--principio));
6      /* Otra opcion seria ponerlo con display grid */
7      flex-direction: column;
8      /* tambien width para que salga bien el fondo */
9      width: 13vw;
10
11     & div {
12         width: 13vw;
13         border: 1px solid;
14         align-items: center;
15         justify-content: center;
16         color: white;
17     }
18 }
```

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ACTIVIDAD 4

ACT 4

EJEMPLO 4:



A screenshot of a code editor showing CSS code for ACT 4. The code uses a linear gradient background and flexbox properties to create the visual effect seen in the figure above.

```
1 /* -----
2  *   ACTIVIDAD 4
3  * -----
4 .act4 {
5     background: linear-gradient(to top, var(--principio), var(--final));
6     /* tambien width para que salga bien el fondo */
7     width: 13vw;
8
9     flex-direction: column-reverse;
10
11    & div {
12         display: flex;
13         width: 13vw;
14         border: 1px solid;
15         align-items: center;
16         justify-content: center;
17         color: white;
18     }
19 }
```

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ACTIVIDAD 6

EJEMPLO 6:

5	6	7	
1	2	3	4

ACT 5

5	6	7	
1	2	3	4

The image shows a code editor with two dark-themed code snippets side-by-side, each preceded by three colored circular icons (red, yellow, green).

ACT 5 (Left):

```
1 <h1>ACT 5 </h1>
2 <section class="act5">
3   <div style="background-color: #122838;">
4     <h1>1</h1>
5   </div>
6   <div style="background-color: #183449;">
7     <h1>2</h1>
8   </div>
9   <div style="background-color: #204662;">
10    <h1>3</h1>
11   </div>
12   <div style="background-color: #2a5b7f;">
13     <h1>4</h1>
14   </div>
15   <div style="background-color: #34719e;">
16     <h1>5</h1>
17   </div>
18   <div style="background-color: #3e86bb;">
19     <h1>6</h1>
20   </div>
21   <div style="background-color: #4698d4;">
22     <h1>7</h1>
23   </div>
24 </section>
```

ACT 6 (Right):

```
1 /* -----
2  * ACTIVIDAD 5
3  * -----
4 .act5 {
5
6   flex-wrap: wrap-reverse;
7
8   & div {
9     display: flex;
10    width: 20vw;
11    border: 1px solid;
12    align-items: center;
13    justify-content: center;
14    color: white;
15  }
16 }
```

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ACTIVIDAD 7

EJEMPLO 7:

	7	6	5
4	3	2	1

ACT 6

	7	6	5
4	3	2	1

The image shows a code editor interface with two dark-themed code snippets side-by-side. Each snippet has three colored circular icons at the top: red, yellow, and green.

ACT 6 (Left):

```
1 <h1>ACT 6 </h1>
2 <section class="act6">
3   <div style="background-color: #122838;">
4     <h1>1</h1>
5   </div>
6   <div style="background-color: #183449;">
7     <h1>2</h1>
8   </div>
9   <div style="background-color: #204662;">
10    <h1>3</h1>
11  </div>
12  <div style="background-color: #2a5b7f;">
13    <h1>4</h1>
14  </div>
15  <div style="background-color: #34719e;">
16    <h1>5</h1>
17  </div>
18  <div style="background-color: #3e86bb;">
19    <h1>6</h1>
20  </div>
21  <div style="background-color: #4698d4;">
22    <h1>7</h1>
23  </div>
24 </section>
```

ACT 7 (Right):

```
1 /* -----
2  * ACTIVIDAD 6
3  * -----
4 .act6 {
5
6   flex-wrap: wrap-reverse;
7   flex-direction: row-reverse;
8
9   & div {
10     display: flex;
11     width: 20vw;
12     border: 1px solid;
13     align-items: center;
14     justify-content: center;
15     color: white;
16   }
17 }
```

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ACTIVIDAD 8

EJEMPLO 8:

1	2	3	4
5	6	7	

ACT 7

1	2	3	4
5	6	7	

The screenshot shows a code editor with two panes. The left pane displays a CSS snippet for a class named .act7, which styles a container with a wrap flexbox layout and white text. The right pane displays the corresponding HTML structure, which consists of seven

elements each enclosed in a separate with a unique background color.

```
1  /* ----- */
2  /* ACTIVIDAD 7 */
3  /* ----- */
4  .act7 {
5      flex-wrap: wrap;
6
7      & div {
8          display: flex;
9          width: 20vw;
10         border: 1px solid;
11         align-items: center;
12         justify-content: center;
13         color: white;
14     }
15 }
```

```
1  <h1>ACT 7 </h1>
2  <section class="act7">
3      <div style="background-color: #122838;">
4          <h1>1</h1>
5      </div>
6      <div style="background-color: #183449;">
7          <h1>2</h1>
8      </div>
9      <div style="background-color: #204662;">
10         <h1>3</h1>
11     </div>
12     <div style="background-color: #2a5b7f;">
13         <h1>4</h1>
14     </div>
15     <div style="background-color: #34719e;">
16         <h1>5</h1>
17     </div>
18     <div style="background-color: #3e86bb;">
19         <h1>6</h1>
20     </div>
21     <div style="background-color: #4698d4;">
22         <h1>7</h1>
23     </div>
24 </section>
```

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ACTIVIDAD 9

EJEMPLO 9:

4	3	2	1
	7	6	5

ACT 8

4	3	2	1
	7	6	5

The image shows a code editor with two dark-themed panes. The left pane contains the code for ACT 8, and the right pane contains the code for ACT 9. Both panes include three colored circular icons at the top: red, yellow, and green.

ACT 8 Code:

```
1 <h1>ACT 8</h1>
2 <section class="act8">
3   <div style="background-color: #122838;">
4     <h1>1</h1>
5   </div>
6   <div style="background-color: #183449;">
7     <h1>2</h1>
8   </div>
9   <div style="background-color: #204662;">
10    <h1>3</h1>
11  </div>
12  <div style="background-color: #2a5b7f;">
13    <h1>4</h1>
14  </div>
15  <div style="background-color: #34719e;">
16    <h1>5</h1>
17  </div>
18  <div style="background-color: #3e86bb;">
19    <h1>6</h1>
20  </div>
21  <div style="background-color: #4698d4;">
22    <h1>7</h1>
23  </div>
24 </section>
```

ACT 9 Code:

```
1 /* -----
2  * ACTIVIDAD 8
3  * -----
4 .act8 {
5   flex-wrap: wrap;
6   flex-direction: row-reverse;
7
8   & div {
9     display: flex;
10    width: 20vw;
11    border: 1px solid;
12    align-items: center;
13    justify-content: center;
14    color: white;
15  }
16 }
```

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ACTIVIDAD 10

EJEMPLO 10:

4	3	2	1
7	6	5	

ACT 9

4	3	2	1
7	6	5	

The image shows a screenshot of a code editor with two tabs open. The left tab is titled "ACT 9" and contains the following CSS code:

```
1 /* ----- */
2 /* ACTIVIDAD 9 */
3 /* ----- */
4 .act9 {
5     /* flex-wrap: wrap;
6     flex-direction: row-reverse; */
7     flex-flow: wrap row-reverse;
8     justify-content: start;
9
10    & div {
11        display: flex;
12        width: 20vw;
13        border: 1px solid;
14        align-items: center;
15        justify-content: center;
16        color: white;
17    }
18 }
```

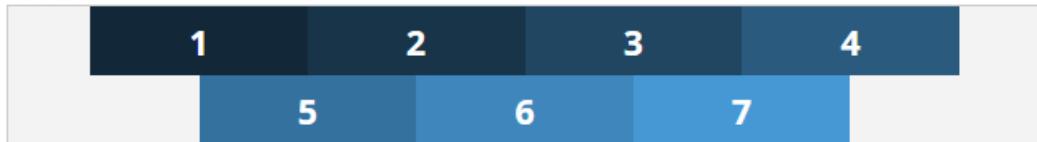
The right tab is titled "ACT 10" and contains the following HTML and CSS code:

```
1 <h1>ACT 9</h1>
2 <section class="act9">
3     <div style="background-color: #122838;">
4         <h1>1</h1>
5     </div>
6     <div style="background-color: #183449;">
7         <h1>2</h1>
8     </div>
9     <div style="background-color: #204662;">
10        <h1>3</h1>
11    </div>
12    <div style="background-color: #2a5b7f;">
13        <h1>4</h1>
14    </div>
15    <div style="background-color: #34719e;">
16        <h1>5</h1>
17    </div>
18    <div style="background-color: #3e86bb;">
19        <h1>6</h1>
20    </div>
21    <div style="background-color: #4698d4;">
22        <h1>7</h1>
23    </div>
24 </section>
25 </body>
```

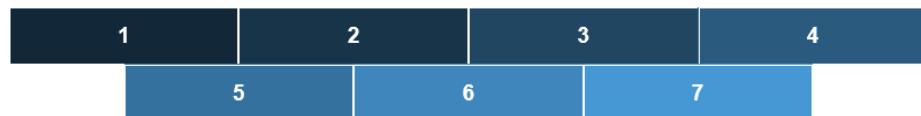
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ACTIVIDAD 11

EJEMPLO 11:



ACT 10



HTML (Left):

```
1 <h1>ACT 10</h1>
2   <section class="act10">
3     <div style="background-color: #122838;">
4       <h1>1</h1>
5     </div>
6     <div style="background-color: #183449;">
7       <h1>2</h1>
8     </div>
9     <div style="background-color: #204662;">
10      <h1>3</h1>
11    </div>
12    <div style="background-color: #2a5b7f;">
13      <h1>4</h1>
14    </div>
15    <div style="background-color: #34719e;">
16      <h1>5</h1>
17    </div>
18    <div style="background-color: #3e86bb;">
19      <h1>6</h1>
20    </div>
21    <div style="background-color: #4698d4;">
22      <h1>7</h1>
23    </div>
24  </section>
```

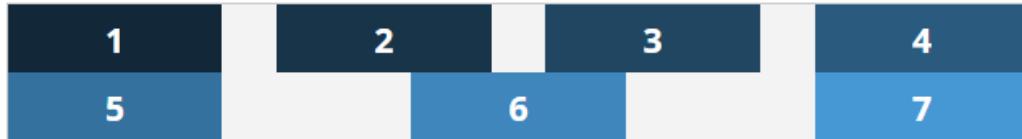
CSS (Right):

```
1 /* ----- */
2 /* ACTIVIDAD 10 */
3 /* ----- */
4 .act10 {
5   /* flex-wrap: wrap;
6   flex-direction: row-reverse; */
7   flex-flow: wrap;
8   justify-content: center;
9
10  & div {
11    display: flex;
12    width: 20vw;
13    border: 1px solid;
14    align-items: center;
15    justify-content: center;
16    color: white;
17  }
18}
```

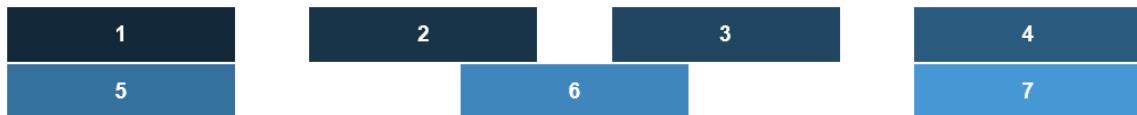
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ACTIVIDAD 12

EJEMPLO 12:



ACT 11



El html siempre es el mismo así que dejo de ponerlo , simplemente en el H1 le cambiamos el numero y la clase la aumentamos al siguiente numero

```
1  /* ----- */
2  /* ACTIVIDAD 11      */
3  /* ----- */
4  .act11 {
5      flex-flow: wrap;
6      justify-content: space-between;
7
8      & div {
9          display: flex;
10         width: 20vw;
11         border: 1px solid;
12         align-items: center;
13         justify-content: center;
14         color: white;
15     }
16 }
```

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ACTIVIDAD 14

EJEMPLO 14:

1	2	3	4	
5	6	7		

ACT 12

1	2	3	4
5	6	7	

simplemente le quitamos el align-items



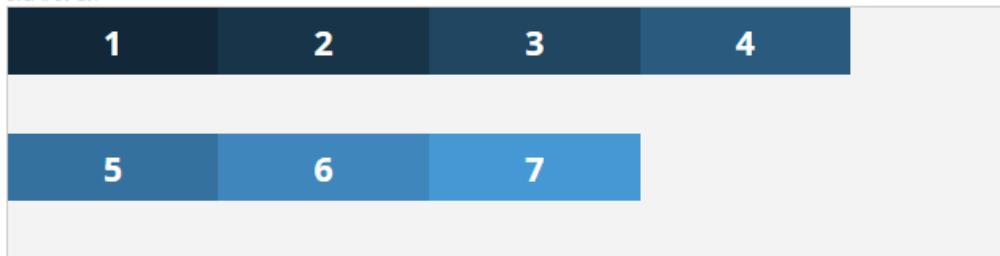
The screenshot shows a code editor window with a dark theme. At the top, there are three colored circular icons (red, yellow, green). Below them is a block of CSS code:

```
1  /* ----- */
2  /* ACTIVIDAD 12      */
3  /* ----- */
4  .act12 {
5      flex-flow: wrap;
6
7      & div {
8          display: flex;
9          height: 30vh;
10         width: 20vw;
11         border: 1px solid;
12         justify-content: center;
13         color: white;
14     }
15 }
```

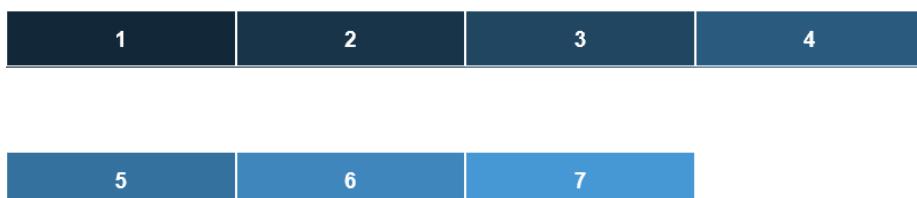
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ACTIVIDAD 15

EJEMPLO 15:



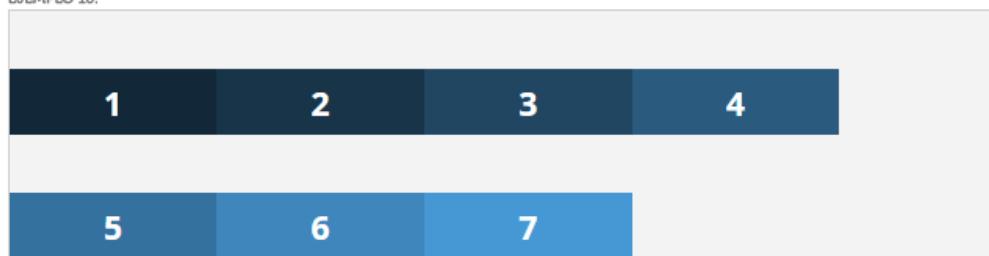
ACT 13



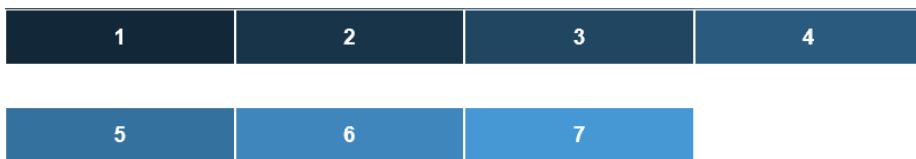
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ACTIVIDAD 16

EJEMPLO 16:



ACT 14



```
/* ----- */
/* ACTIVIDAD 14      */
/* ----- */

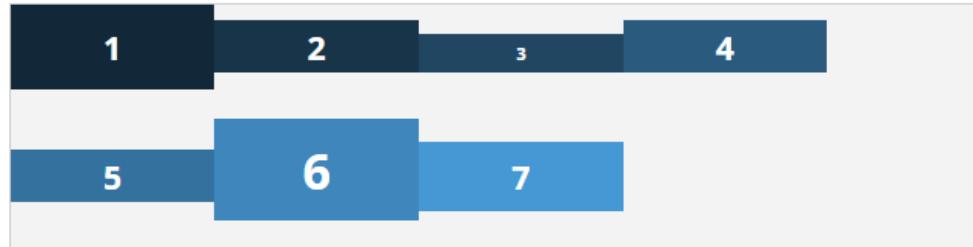
.act14 {
    flex-flow: wrap;
    align-content: space-around;
    height: 60vh;

    & div {
        display: flex;
        width: 20vw;
        border: 1px solid;
        justify-content: center;
        color: white;
    }
}
```

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ACTIVIDAD 18

EJEMPLO 18:



ACT 15



The image displays two code editors side-by-side, both titled "ACT 15".

HTML (Left):

```
1 <h1>ACT 15</h1>
2 <section class="act15">
3   <div>
4     <h1>1</h1>
5   </div>
6   <div>
7     <h1>2</h1>
8   </div>
9   <div>
10    <h1>3</h1>
11 </div>
12   <div>
13     <h1>4</h1>
14   </div>
15   <div>
16     <h1>5</h1>
17   </div>
18   <div>
19     <h1>6</h1>
20   </div>
21   <div>
22     <h1>7</h1>
23   </div>
24 </section>
```

CSS (Right):

```
1 /* ----- */
2 /* ACTIVIDAD 15 */
3 /* ----- */
4 .act15 {
5   flex-flow: wrap;
6   align-content: space-around;
7   height: 60vh;
8   align-items: baseline;
9
10  & div {
11    display: flex;
12    width: 20vw;
13    border: 1px solid;
14    justify-content: center;
15    align-items: center;
16    color: white;
17  }
18
19  & div:nth-child(1) {
20    background-color: #122838;
21    height: 20vh;
22  }
23  & div:nth-child(2) {
24    background-color: #183449;
25    height: 15vh;
26  }
27  & div:nth-child(3) {
28    background-color: #204662;
29    height: 10vh;
30  }
31  & div:nth-child(4) {
32    background-color: #2a5b7f;
33    height: 15vh;
34  }
35  & div:nth-child(5) {
36    background-color: #34719e;
37    height: 15vh;
38  }
39  & div:nth-child(6) {
40    background-color: #3e86bb;
41    height: 20vh;
42  }
43  & div:nth-child(7) {
44    background-color: #4698d4;
45    height: 15vh;
46  }
47 }
```

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ACTIVIDAD 19

EJEMPLO 19:

1	2	3	4	
5	6	7		

Esta es la misma que la 14

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ACTIVIDAD 22

EJEMPLO 22:

1	2	3	4
5	6	7	

aqui se me cuela el 5 pero porque tendría que darle a los divs 21vw de ancho para que no entre el 5

ACT 16

1	2	3	4	5
6	7			

The left panel shows the CSS code:

```
1 /* ----- */  
2 /* ACTIVIDAD 16 */  
3 /* ----- */  
4 .act16 {  
5   flex-flow: wrap;  
6   align-content: center;  
7 }  
8 & div {  
9   display: flex;  
10  width: 20vw;  
11  justify-content: center;  
12  color: white;  
13 }  
14 & div:nth-child(1) {  
15   background-color: #122838;  
16 }  
17 & div:nth-child(2) {  
18   background-color: #183449;  
19 }  
20 & div:nth-child(3) {  
21   background-color: #204662;  
22 }  
23 & div:nth-child(4) {  
24   background-color: #2a5b7f;  
25 }  
26 & div:nth-child(5) {  
27   background-color: #34719e;  
28 }  
29 & div:nth-child(6) {  
30   background-color: #3e86bb;  
31 }  
32 & div:nth-child(7) {  
33   background-color: #4698d4;  
34 }  
35 }  
36 }
```

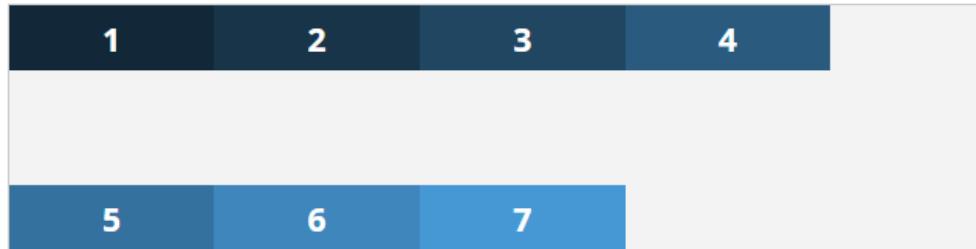
The right panel shows the HTML code:

```
1 <h1>ACT 16</h1>  
2 <section class="act16">  
3   <div>  
4     <h1>1</h1>  
5   </div>  
6   <div>  
7     <h1>2</h1>  
8   </div>  
9   <div>  
10    <h1>3</h1>  
11  </div>  
12  <div>  
13    <h1>4</h1>  
14  </div>  
15  <div>  
16    <h1>5</h1>  
17  </div>  
18  <div>  
19    <h1>6</h1>  
20  </div>  
21  <div>  
22    <h1>7</h1>  
23  </div>  
24 </section>
```

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ACTIVIDAD 23

EJEMPLO 23:



ACT 17



The image shows a code editor with two panes. The left pane displays the following CSS code:

```
1 /* ----- */
2 /* ACTIVIDAD 17 */
3 /* ----- */
4 .act17 {
5   flex-flow: wrap;
6   height: 300px;
7   align-content: space-between;
8
9   & div {
10     display: flex;
11     width: 21vw;
12     justify-content: center;
13     color: white;
14   }
15
16   & div:nth-child(1) {
17     background-color: #122838;
18   }
19
20   & div:nth-child(2) {
21     background-color: #183449;
22   }
23
24   & div:nth-child(3) {
25     background-color: #204662;
26   }
27
28   & div:nth-child(4) {
29     background-color: #2a5b7f;
30   }
31
32   & div:nth-child(5) {
33     background-color: #34719e;
34   }
35
36   & div:nth-child(6) {
37     background-color: #3e86bb;
38   }
39
40   & div:nth-child(7) {
41     background-color: #4698d4;
42   }
43 }
```

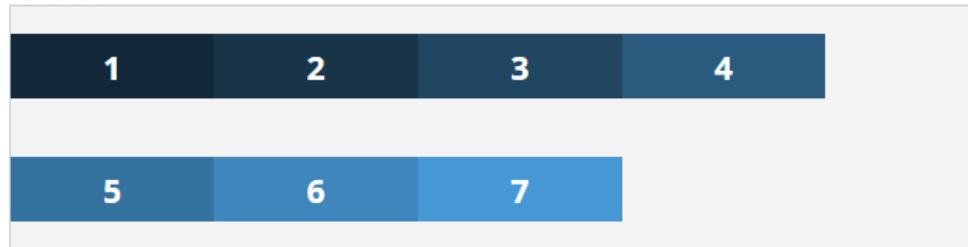
The right pane displays the following HTML code:

```
1 <h1>ACT 17</h1>
2 <section class="act17">
3   <div>
4     <h1>1</h1>
5   </div>
6   <div>
7     <h1>2</h1>
8   </div>
9   <div>
10    <h1>3</h1>
11  </div>
12  <div>
13    <h1>4</h1>
14  </div>
15  <div>
16    <h1>5</h1>
17  </div>
18  <div>
19    <h1>6</h1>
20  </div>
21  <div>
22    <h1>7</h1>
23  </div>
24 </section>
```

TEMA 1. DISEÑO DE INTERFACES WEBS

ACTIVIDAD 24

EJEMPLO 24:



ACT 18



```
1 /* ----- */
2 /* ACTIVIDAD 18 */
3 /* ----- */
4 .act18 {
5   flex-flow: wrap;
6   height: 400px;
7   align-content: space-around;
8
9   & div {
10     display: flex;
11     width: 21vw;
12     justify-content: center;
13     color: white;
14   }
15
16   & div:nth-child(1) {
17     background-color: #122838;
18   }
19
20   & div:nth-child(2) {
21     background-color: #183449;
22   }
23
24   & div:nth-child(3) {
25     background-color: #204662;
26   }
27
28   & div:nth-child(4) {
29     background-color: #2a5b7f;
30   }
31
32   & div:nth-child(5) {
33     background-color: #34719e;
34   }
35
36   & div:nth-child(6) {
37     background-color: #3e86bb;
38   }
39
40   & div:nth-child(7) {
41     background-color: #4698d4;
42   }
43 }
```

TEMA 1. DISEÑO DE INTERFACES WEBS

ACTIVIDAD 25

EJEMPLO 25:



ACT 18



he usado order sino otra opcion que se me ocurria era cambiarlo directamente en el HTML

```
1 /* - */
2 /* ACTIVIDAD 18 */
3 /* - */
4 .act18 {
5   & div {
6     display: flex;
7     width: 14vw;
8     justify-content: center;
9     color: white;
10    }
11
12   & div:nth-child(1) { background-color: #122838; order: 1; }
13   & div:nth-child(2) { background-color: #183449; order: 5; }
14   & div:nth-child(3) { background-color: #204662; order: 2; }
15   & div:nth-child(4) { background-color: #2a5b7f; order: 6; }
16   & div:nth-child(5) { background-color: #34719e; order: 3; }
17   & div:nth-child(6) { background-color: #3e86bb; order: 7; }
18   & div:nth-child(7) { background-color: #4698d4; order: 4; }
19 }
```

```
1 <h1>ACT 18</h1>
2 <section class="act18">
3   <div><h1>1</h1></div>
4   <div><h1>2</h1></div>
5   <div><h1>3</h1></div>
6   <div><h1>4</h1></div>
7   <div><h1>5</h1></div>
8   <div><h1>6</h1></div>
9   <div><h1>7</h1></div>
10  </section>
```

TEMA 1. DISEÑO DE INTERFACES WEBS

ACTIVIDAD 26

EJEMPLO 26:

1 2 3 4 5 6 7

ACT 19

1 2 3 4 5 6 7

Ahora simplemente le quito el order y le pongo width al cuarto



```
1 /* ----- */
2 /* ACTIVIDAD 19 */
3 /* ----- */
4 .act19 {
5   & div {
6     display: flex;
7     width: 14vw;
8     justify-content: center;
9     color: white;
10 }
11
12 & div:nth-child(1) { background-color: #122838; }
13 & div:nth-child(2) { background-color: #183449; }
14 & div:nth-child(3) { background-color: #204662; }
15 & div:nth-child(4) { background-color: #2a5b7f; width: 28vw; }
16 & div:nth-child(5) { background-color: #34719e; }
17 & div:nth-child(6) { background-color: #3e86bb; }
18 & div:nth-child(7) { background-color: #4698d4; }
19 }
```



```
1 <h1>ACT 19</h1>
2 <section class="act19">
3   <div><h1>1</h1></div>
4   <div><h1>2</h1></div>
5   <div><h1>3</h1></div>
6   <div><h1>4</h1></div>
7   <div><h1>5</h1></div>
8   <div><h1>6</h1></div>
9   <div><h1>7</h1></div>
10 </section>
```