

Web Essentials

Week 5

Tabellen



**DE HOGESCHOOL
MET HET NETWERK**

Elfde-Liniestraat 24, 3500 Hasselt, www.pxl.be



<table>, <tr>, <td>

```
<table>
  <tr>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

<tr> = rij
<td> = data-cell



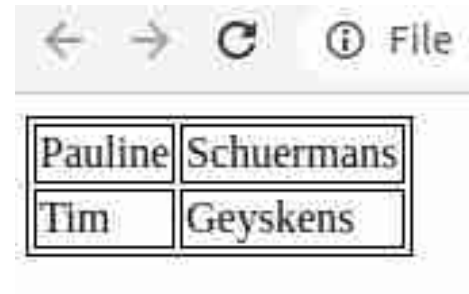
Pauline	Schuermans
Tim	Geyskens

HTML

```
<table>
  <tr>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

CSS

```
table, td, th {
  border: 1px solid black;
}
```



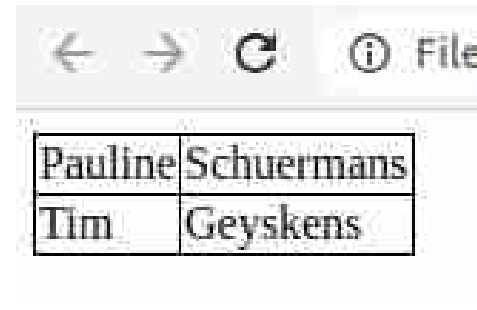
HTML

```
<table>
  <tr>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

CSS

```
table, td, th {
  border: 1px solid black;
}

table {
  border-collapse: collapse;
}
```



Pauline	Schuermans
Tim	Geyskens

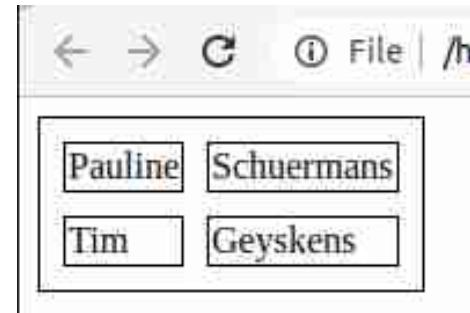
HTML

```
<table>
  <tr>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

CSS

```
table, td, th {
  border: 1px solid black;
}

table {
  border-collapse: seperate;
  border-spacing: 10px;
}
```



<th>

```
<table>
  <tr>
    <th>Voornaam</th>
    <th>Achternaam</th>
  </tr>
  <tr>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

Voornaam	Achternaam
Pauline	Schuermans
Tim	Geyskens

<th> = titel voor rij of kolom
met data-cellen

<th> scope

```
<table>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

<th scope="col">
titel die hoort bij kolom
<th scope="col">
titel die hoort bij rij

HTML

```
<table>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

CSS

	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

```
table, td, th {
  border: 1px solid black;
}

td, th {
  padding: 5px;
}

table {
  border-collapse: collapse;
}

th[scope=col] {
  background-color: gray;
}

th[scope=row] {
  background-color: lightgray;
}
```


HTML

```
<table>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

CSS

	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

```
table {
  border: none;
  border-collapse: separate;
  border-spacing: 2px;
  empty-cells: hide;
}

td, th {
  border: 1px solid black;
  padding: 5px;
}

th[scope=col] {
  background-color: gray;
}

th[scope=row] {
  background-color: lightgray;
}
```

<caption>

```
<table>
  <caption>Personen</caption>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
  </tr>
</table>
```

Personen		
	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

<caption> = titel van de tabel

<thead>, <tbody>, <tfoot> = verzameling van rijen

```
<table>
  <caption>Personen</caption>
  <thead>
    <tr>
      <th></th>
      <th scope="col">Voornaam</th>
      <th scope="col">Achternaam</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">Persoon 1</th>
      <td>Pauline</td>
      <td>Schuermans</td>
    </tr>
    <tr>
      <th scope="row">Persoon 2</th>
      <td>Tim</td>
      <td>Geyskens</td>
    </tr>
  </tbody>
</table>
```

Personen		
	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

```

<table>
  <caption>Personen</caption>
  <thead>
    <tr>
      <th></th>
      <th scope="col">Voornaam</th>
      <th scope="col">Achternaam</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">Persoon 1</th>
      <td>Pauline</td>
      <td>Schuermans</td>
    </tr>
    <tr>
      <th scope="row">Persoon 2</th>
      <td>Tim</td>
      <td>Geyskens</td>
    </tr>
  </tbody>
</table>

```

```

table, td, th {
  border: 1px solid black;
}

```

```

td, th {
  padding: 5px;
}

```

Personen

	Voornaam	Achternaam
Persoon 1	Pauline	Schuermans
Persoon 2	Tim	Geyskens

```

table {
  border-collapse: collapse;
}

```

```

th[scope=col] {
  background-color: gray;
}

```

```

th[scope=row] {
  background-color: lightgray;
}

```

```

tbody td{
  font-style: italic;
}

```

<thead>, <tbody>, <tfoot> = verzameling van rijen

Puntenlijst 1TIN						
	Eerste periode			Tweede periode		
Naam	Web Essentials	OS Essentials	IT Essentials	Java Essentials	.NET Essentials	Data
Karel Peeters	13	14	11	8	11	10
Jeroen Mommen	7	9	10	14	14	16
Pol Geraerts	12	12	7	15	11	8
Raf Verheyen	9	8	4	5	6	10
Hogeschool PXL - Departement PXL-IT - Academiejaar 2018-2019						

thead

tbody

tfoot

```
tbody tr:nth-child(even) {  
    background-color: #6facff;  
}  
tbody tr:nth-child(odd) {  
    background-color: #4f8cef;  
}
```

<colgroup> definieer een groep van kolommen

```
<table>
  <colgroup>
    <col span="1">
    <col span="2">
    <col span="1">
  </colgroup>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
    <th scope="col">Punten</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
    <td>12</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
    <td>12</td>
  </tr>
</table>
```

	Voornaam	Achternaam	Punten
Persoon 1	Pauline	Schuermans	12
Persoon 2	Tim	Geyskens	12

```

<table>
  <colgroup>
    <col span="1">
    <col span="2" class="names">
    <col span="1" class="points">
  </colgroup>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
    <th scope="col">Punten</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
    <td>12</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
    <td>12</td>
  </tr>
</table>

```

```

table, td, th {
  border: 1px solid black;
}

```

```

td, th {
  padding: 5px;
}

```

	Voornaam	Achternaam	Punten
Persoon 1	Pauline	Schuermans	12
Persoon 2	Tim	Geyskens	12

```

table {
  border-collapse: collapse;
}

```

```

th[scope=col] {
  background-color: gray;
}

```

```

th[scope=row] {
  background-color: lightgray;
}

```

```

.points {
  background-color: lightblue;
}

```

```

.names {
  background-color: lightcyan;
}

```

colspan, rowspan

attributes voor td en th

colspan = "2" element wordt 2 breed

rowspan = "4" element wordt 4 hoog

	Studentenlijst	
	Voornaam	Achternaam
	Pauline	Schuermans
	Tim	Geyskens

colspan, rowspan

```
<table>
<tr>
  <td rowspan="4">
    
  </td>
  <th colspan="2">Studentenlijst</th>
</tr>
<tr>
  <th>Voornaam</th>
  <th>Achternaam</th>
</tr>
<tr>
  <td>Pauline</td>
  <td>Schuermans</td>
</tr>
<tr>
  <td>Tim</td>
  <td>Geyskens</td>
</tr>
</table>
```

```
table, td, th {
  border:1px solid black;
}
```

	Studentenlijst	
	Voornaam	Achternaam
	Pauline	Schuermans
	Tim	Geyskens

table-layout

Breedte instellen op <table> element

Hoe kolommen verdelen over de breedte?

table-layout: auto

breedte van de kolommen past zich aan aan de breedste inhoud van de kolom

table-layout: fixed

alle kolommen hebben dezelfde breedte

```

<table>
  <tr>
    <td>element1</td>
    <td>element2</td>
    <td>element3</td>
  </tr>
  <tr>
    <td>korte inhoud</td>
    <td>dit is de breedste inhoud</td>
    <td>kort</td>
  </tr>
</table>

```

```

table, td {
  border: 1px solid black;
}

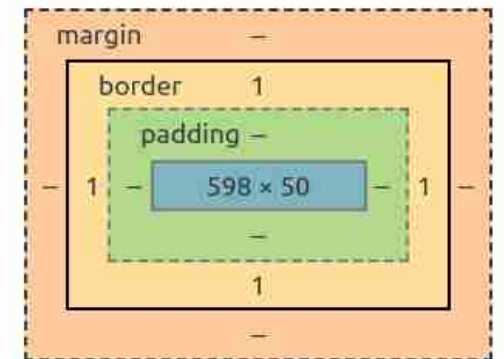
```

```

table {
  width: 600px;
  table-layout: auto;
}

```

element1	element2	element3
korte inhoud	dit is de breedste inhoud	kort



```

<table>
  <tr>
    <td>element1</td>
    <td>element2</td>
    <td>element3</td>
  </tr>
  <tr>
    <td>korte inhoud</td>
    <td>dit is de breedste inhoud</td>
    <td>kort</td>
  </tr>
</table>

```

```

table, td {
  border: 1px solid black;
}

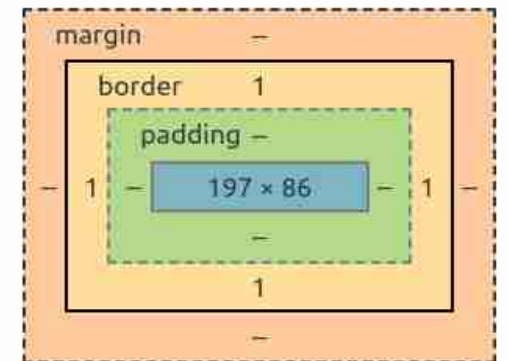
```

```

table {
  width: 150px;
  table-layout: auto;
}

```

element1	element2	element3
korte inhoud	dit is de breedste inhoud	kort



```

<table>
  <tr>
    <td>element1</td>
    <td>element2</td>
    <td>element3</td>
  </tr>
  <tr>
    <td>korte inhoud</td>
    <td>dit is de breedste inhoud</td>
    <td>kort</td>
  </tr>
</table>

```

```

table, td {
  border: 1px solid black;
}

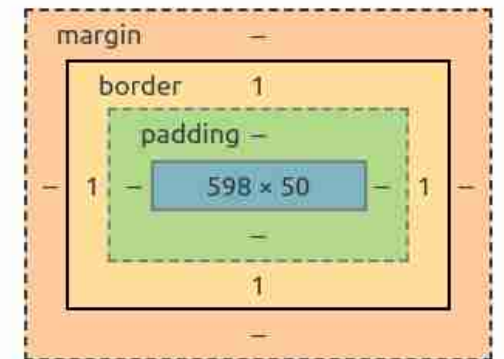
```

```

table {
  width: 600px;
  table-layout: fixed;
}

```

element1	element2	element3
korte inhoud	dit is de breedste inhoud	kort



```

<table>
  <tr>
    <td>element1</td>
    <td>element2</td>
    <td>element3</td>
  </tr>
  <tr>
    <td>korte inhoud</td>
    <td>dit is de breedste inhoud</td>
    <td>kort</td>
  </tr>
</table>

```

```

table, td {
  border: 1px solid black;
}

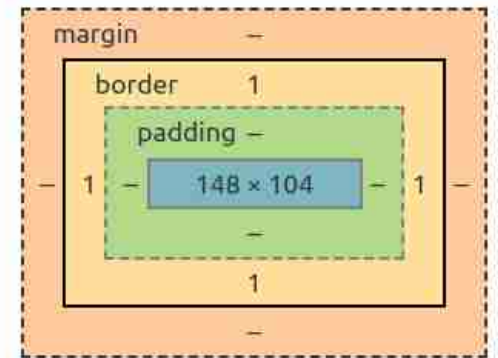
```

```

table {
  width: 150px;
  table-layout: fixed;
}

```

element1	element2	element3
korte inhoud	dit is de breedste inhoud	kort



```

<table>
  <tr>
    <td>element1</td>
    <td>element2</td>
    <td>element3</td>
  </tr>
  <tr>
    <td>korte inhoud</td>
    <td>dit is de breedste inhoud</td>
    <td>kort</td>
  </tr>
</table>

```

```

table, td {
  border: 1px solid black;
}

```

```

table {
  width: 150px;
  table-layout: fixed;
}

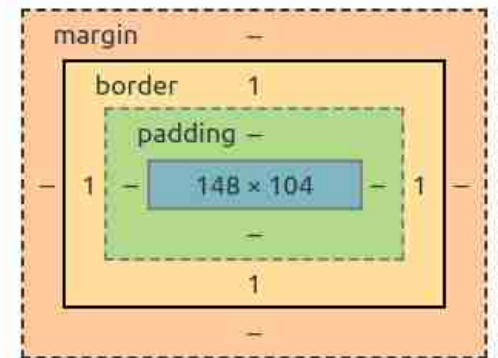
```

```

td {
  overflow: hidden;
  text-overflow: ellipsis;
}

```

ele...	ele...	ele...
korte inh...	dit is de bre... inh...	kort



text-align, vertical-align

tekst horizontaal uitlijnen

<https://developer.mozilla.org/en-US/docs/Web/CSS/text-align>

text-align: center

text-align: start

text-align: end

text-align: justify

tekst vertikaal uitlijnen

<https://developer.mozilla.org/en-US/docs/Web/CSS/vertical-align>

vertical-align: top

vertical-align: middle

vertical-align: bottom

...


```

<table>
  <colgroup>
    <col span="1">
    <col span="2" class="names">
    <col span="1" class="points">
  </colgroup>
  <tr>
    <th></th>
    <th scope="col">Voornaam</th>
    <th scope="col">Achternaam</th>
    <th scope="col">Punten</th>
  </tr>
  <tr>
    <th scope="row">Persoon 1</th>
    <td>Pauline</td>
    <td>Schuermans</td>
    <td>12</td>
  </tr>
  <tr>
    <th scope="row">Persoon 2</th>
    <td>Tim</td>
    <td>Geyskens</td>
    <td>12</td>
  </tr>
</table>

```

```

table, td, th {
  width: 600px;
  border: 1px solid black;
}

```

```

td, th {
  text-align: center;
  padding: 5px;
}

```

	Voornaam	Achternaam	Punten
Persoon 1	Pauline	Schuermans	12
Persoon 2	Tim	Geyskens	12

```

table {
  border-collapse: collapse;
}

```

```

th[scope=col] {
  background-color: gray;
}

```

```

th[scope=row] {
  text-align: end;
  background-color: lightgray;
}

```

```

.points {
  background-color: lightblue;
}

```

```

.names {
  background-color: lightcyan;
}

```

:nth-child

tr:nth-child(1) selecteer tr op voorwaarde dat tr het eerste kind is van een element

tr:nth-child(2) ... 2e kind

tr:nth-child(3) ... 3e kind

tr:nth-child(2n) 2e (n=1), 4e (n=2), 6e (n=3), ...

tr:nth-child(2n+1) 1e (n=0), 3e (n=1), 5e (n=2), ...

tr:nth-child(5n+2) 2e (n=0), 7e (n=1), 12e (n=2), ...

```

<table>
  <thead>
    <tr>
      <th scope="col">Id</th>
      <th scope="col">Naam</th>
      <th scope="col">Voornaam</th>
      <th scope="col">Punten</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>1</td>
      <td>Tim</td>
      <td>Schuermans</td>
      <td>15</td>
    </tr>
    <tr>
      <td>2</td>
      <td>Sofie</td>
      <td>Verlaek</td>
      <td>15</td>
    </tr>
    <tr>
      <td>3</td>
      <td>Pauline</td>
      <td>Caenen</td>
      <td>13</td>
    </tr>
    <tr>
      <td>4</td>
      <td>Leon</td>
      <td>Cornelis</td>
      <td>12</td>
    </tr>
  </tbody>
</table>

```

```

table {
  border-collapse: collapse;
}

td, th {
  padding: 5px;
}

thead tr {
  background-color: black;
  color: white;
}

tbody td:nth-child(1) {
  background-color: black;
  color: white;
}

tbody tr:nth-child(2n+1) {
  background-color: lightblue;
  color: black;
}

tbody tr:nth-child(2n) {
  background-color: lightcyan;
  color: black;
}

```

Id	Naam	Voornaam	Punten
1	Tim	Schuermans	15
2	Sofie	Verlaek	15
3	Pauline	Caenen	13
4	Leon	Cornelis	12