Tables in HTML

A table in HTML consists of table cells inside rows and columns.

Table Cells

- Each table cell is defined by a and a tag.
- td stands for table data.
- Everything between and are the content of the table cell.

<!DOCTYPE html> <html> Company Contact Country Robin Maria Jasmine Centro Francisco Mexico </html>

Table Rows

Each table row starts with a and ends with a tag.

tr stands for table row.

```
            Mohit

            16

            14

            10
            10

            10
            10

            10
            10

            10
             10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
             10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10

            10
            10
```

Table Headers

- Sometimes you want your cells to be table header cells. In those cases use the tag instead of the tag:
- th stands for table header.

```
Person 1
Person 2
Person 3

Emil
Tobias
Tobias

Linus
Linus

10
10
10

10
```

HTML Table Borders

- HTML tables can have borders of different styles and shapes.
- When you add a border to a table, you also add borders around each table cell:
- To add a border, use the CSS border property on table, th, and td elements:

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

•	<head></head>
•	<style></th></tr><tr><th>•</th><th>table, th, td {</th></tr><tr><th>•</th><th>border: 1px solid black; }</th></tr><tr><th>•</th><th></style>
•	
•	 body>
•	<h2>Table With Border</h2>
•	Use the CSS border property to add a border to the table.
•	
•	
•	Firstname
•	Lastname
•	Age
•	
•	
•	lil
•	Smith
•	50
•	
•	
•	Eve
•	Jackson
•	94
•	
•	
•	John
•	Doe
•	80
•	
•	
•	

Collapsed Table Borders

• To avoid having double borders like in the example above, set the CSS border-collapse property to collapse.

• This will make the borders collapse into a single border:

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

Style Table Borders

 If you set a background color of each cell, and give the border a white color (the same as the document background), you get the impression of an invisible border:

```
table, th, td
{
  border: 1px solid white;
  border-collapse: collapse;
}
th, td {
  background-color: #96D4D4;
}
```

Round Table Borders

With the border-radius property, the borders get rounded corners:

```
table, th, td
{
  border: 1px solid black;
  border-radius: 10px;
}
```

Round Table Borders

 Skip the border around the table by leaving out table from the css selector:

```
th, td
{
  border: 1px solid black;
  border-radius: 10px;
}
```

Dotted Table Borders

• With the border-style property, you can set the appearance of the border.

```
th, td
{
    border-style: dotted;
}
```

The following values are allowed:

- dotted
- dashed
- solid
- double
- groove
- ridge
- inset
- outset
- none
- hidden

Border Color

• With the border-color property, you can set the color of the border.

```
th, td
{
  border-color: #96D4D4;
}
```

HTML Table Sizes

 HTML tables can have different sizes for each column, row or the entire table.

• Use the style attribute with the width or height properties to specify the size of a table, row or column.

HTML Table Width

To set the width of a table, add the style attribute to the element:

• Set the width of the table to 100%:

Example

```
• 
Firstname
 Lastname
 Age
Jill
 Smith
 50
Eve
 Jackson
 94
```

HTML Table Column Width

To set the size of a specific column, add the style attribute on a
 or element:

• Set the width of the first column to 70%:

Example

```
Age
JillSmith
50
Eve
Jackson94
```

HTML Table Row Height

 To set the height of a specific row, add the style attribute on a table row element:

Set the height of the second row to 200 pixels:

Example

```
Firstname
 Lastname
 Age
 Jill
 Smith
 50
Eve
 Jackson
 94
```

HTML Table Headers

Table headers are defined with th elements. Each th element represents a table cell.

```
FirstnameLastname
Age
Jill
Smith
Eve
Jackson
```

Vertical Table Headers

• To use the first column as table headers, define the first cell in each row as a element:

```
FirstnameJill
Eve
Age
94
50
```

Align Table Headers

• By default, table headers are bold and centered:

```
th {
  text-align: left;
}
```

Header for Multiple Columns

You can have a header that spans over two or more columns.

To do this, use the colspan attribute on the element:

Example

```
Name
Age
Jill
Smith
50
Eve
Jackson
94
```

Table Caption

You can add a caption that serves as a heading for the entire table.

To add a caption to a table, use the <caption> tag:

Example

```
<caption>Monthly savings</caption>
Month
Savings
January
$100
February
```

HTML Table - Cell Padding

Cell padding is the space between the cell edges and the cell content.

By default the padding is set to 0.

To add padding on table cells, use the CSS padding property:

```
<!DOCTYPE html>
• <html>
<head>
<style>
table, th, td {
   border: 1px solid black;
   border-collapse: collapse;
•
• th, td {
   padding-top: 10px;
   padding-bottom: 20px;
   padding-left: 30px;
   padding-right: 40px;

    </style>

- </head>

    <body>

<h2>Cellpadding - top - bottom - left - right </h2>

    We can specify different padding for all fours sides of the cell content.
```

- •
- Firstname
- Lastname
- Age
- •
- •
- Jill
- Smith
- 50
- •
- Eve
- Jackson
- 94
- •
- •
- John
- Doe
- 80
- •
- </body>
- </html>

HTML Table - Cell Spacing

Cell spacing is the space between each cell.

By default the space is set to 2 pixels.

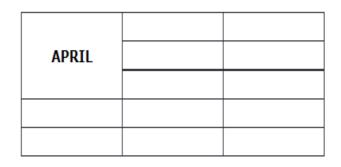
• To change the space between table cells, use the CSS border-spacing property on the table element:

<style></th></tr><tr><th>table, th, td {</th></tr><tr><th>border: 1px solid black;</th></tr><tr><th>}</th></tr><tr><th>table {</th></tr><tr><th>border-spacing: 30px;}</th></tr><tr><th></style>
 body>
<h2>Cellspacing</h2>
Change the space between the cells with the border-spacing property.
Firstname
Lastname
Age
Jill
Smith
>50
Eve
Jackson
94
John
Doe
80

HTML Table Colspan & Rowspan

 HTML tables can have cells that span over multiple rows and/or columns.

NAME		



FIESTA		

To make a cell span over multiple columns, use the colspan attribute:

```
NameAge
Jill
Smith
43
Eve
Jackson
57
```

To make a cell span over multiple rows, use the rowspan attribute:

```
Name
Jill
Phone
555-1234
555-8745
```

HTML Table Styling

HTML Table - Zebra Stripes

• If you add a background color on every other table row, you will get a nice zebra stripes effect.

- To make vertical zebra stripes, style every other *column*, instead of every other *row*.
- To style every other table row element, use the :nth-child(even) selector like this:

```
<style>
table {
   border-collapse: collapse;
   width: 100%;
• th, td {
   text-align: left;
   padding: 8px;
tr:nth-child(even) {
   background-color: #D6EEEE;

    </style>

</head>
```

```
<style>
• table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
• th:nth-child(even),td:nth-child(even) {
    background-color: #D6EEEE;
   </style>
   </head>
   <body>
   MON
    TUE
    WED
    THU
    FRI
    SAT
    SUN
```

Combine Vertical and Horizontal Zebra Stripes

 You can combine the styling from the two examples above and you will have stripes on every other row and every other column.

If you use a transparent color you will get an overlapping effect.

```
<style>
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
tr:nth-child(even) {
    background-color: rgba(150, 212, 212, 0.4);
• }
• th:nth-child(even),td:nth-child(even) {
   background-color: rgba(150, 212, 212, 0.4);

    </style>
```

Horizontal Dividers

 If you specify borders only at the bottom of each table row, you will have a table with horizontal dividers.

 Add the border-bottom property to all tr elements to get horizontal dividers:

```
<style>
• table {
  border-collapse: collapse;
• width: 100%;
• tr {

    border-bottom: 1px solid #ddd;

• </style>
```

Hoverable Table

Use the :hover selector on tr to highlight table rows on mouse over:

```
<style>
table {
    border-collapse: collapse;
    width: 100%;
•
th, td {
    padding: 8px;
    text-align: left;
    border-bottom: 1px solid #DDD;
tr:hover {background-color: #D6EEEE;}

    </style>
```

HTML Table Colgroup

- If you want to style the two first columns of a table, use the <colgroup> and <col> elements.
- The <colgroup> element should be used as a container for the column specifications.
- Each group is specified with a <col> element.
- The span attribute specifies how many columns that get the style.
- The style attribute specifies the style to give the columns.

<style> table, th, td { border: 1px solid black; border-collapse: collapse; </style> </head> <body> • <h2>Colgroup</h2> • Add the a colgroup with a col element that spans over two columns to define a style for the two columns: <colgroup> <col span="2" style="background-color: #D6EEEE"> </colgroup> MON
 TUE