HTML TABLES

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WHAT ARE
TABLES

Show information/data within
row and columns

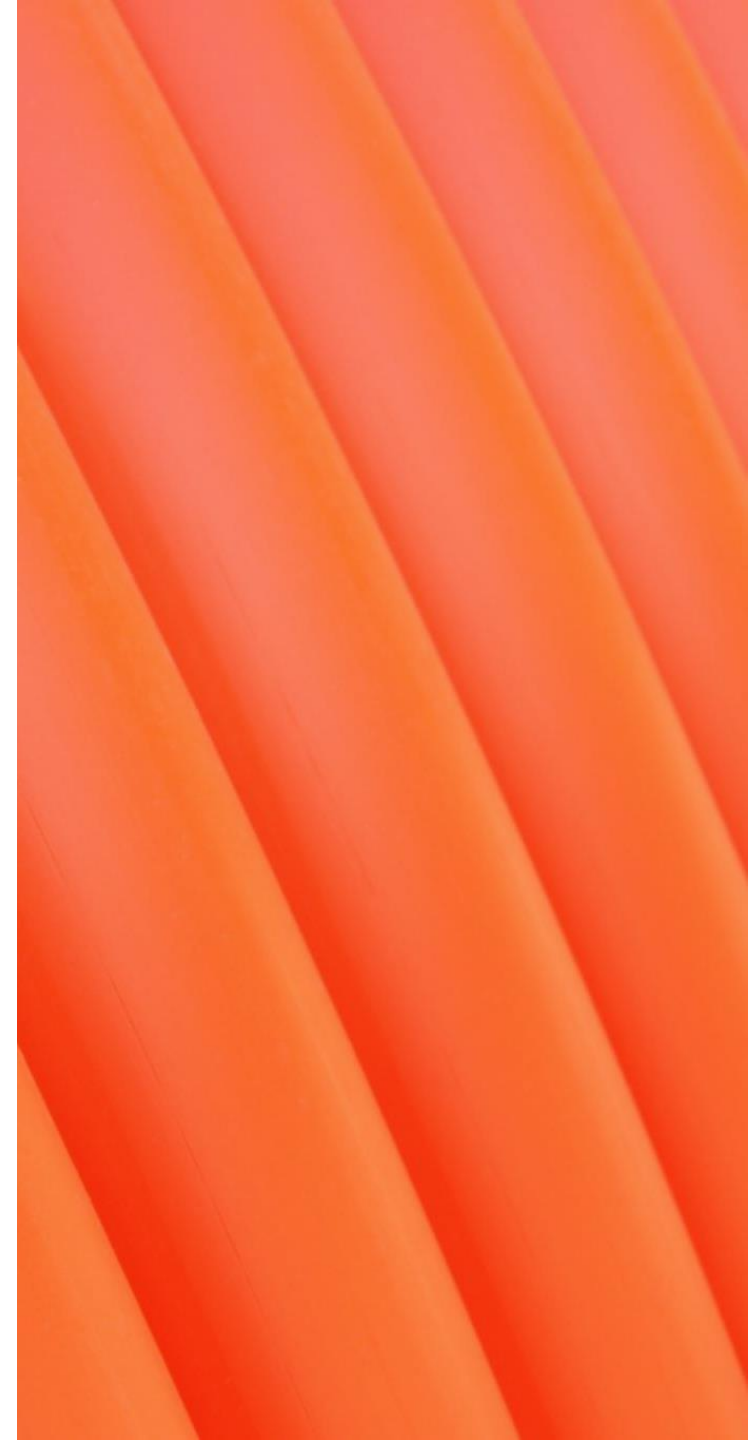| Rank	Name	Points	Team
1	Domenic	88,110	dcode
2	**Sally**	**72,400**	**Students**
3	Nick	52,300	dcode

```
<table>
  <tr>
    <th>Company</th>
    <th>Contact</th>
    <th>Country</th>
  </tr>
  <tr>
    <td>Alfreds Futterkiste</td>
    <td>Maria Anders</td>
    <td>Germany</td>
  </tr>
  <tr>
    <td>Centro comercial Moctezuma</td>
    <td>Francisco Chang</td>
    <td>Mexico</td>
  </tr>
</table>
```

Table within table

Example:

USUAL: COLUMN OR TABULAR DATA IS USED WITH TABLES

TIMELESS

Ancient civilizations used tables

When should you NOT use HTML tables?

HTML tables should be used for tabular data — this is what they are designed for. Unfortunately, a lot of people used to use HTML tables to lay out web pages, e.g. one row to contain the header, one row to contain the content columns, one row to contain the footer, etc. You can find more details and an example at Page Layouts in our Accessibility Learning Module. This was commonly used because CSS support across browsers used to be terrible; table layouts are much less common nowadays, but you might still see them in some corners of the web.

In short, using tables for layout rather than CSS layout techniques is a bad idea. The main reasons are as follows:

1. **Layout tables reduce accessibility for visually impaired users:** screen readers, used by blind people, interpret the tags that exist in an HTML page and read out the contents to the user. Because tables are not the right tool for layout, and the markup is more complex than with CSS layout techniques, the screen readers' output will be confusing to their users.

2. **Tables produce tag soup:** As mentioned above, table layouts generally involve more complex markup structures than proper layout techniques. This can result in the code being harder to write, maintain, and debug.

3. **Tables are not automatically responsive:** When you use proper layout containers (such as `<header>`, `<section>`, `<article>`, or `<div>`), their width defaults to 100% of their parent element. Tables on the other hand are sized according to their content by default, so extra measures are needed to get table layout styling to effectively work across a variety of devices.

COMMON ELEMENTS

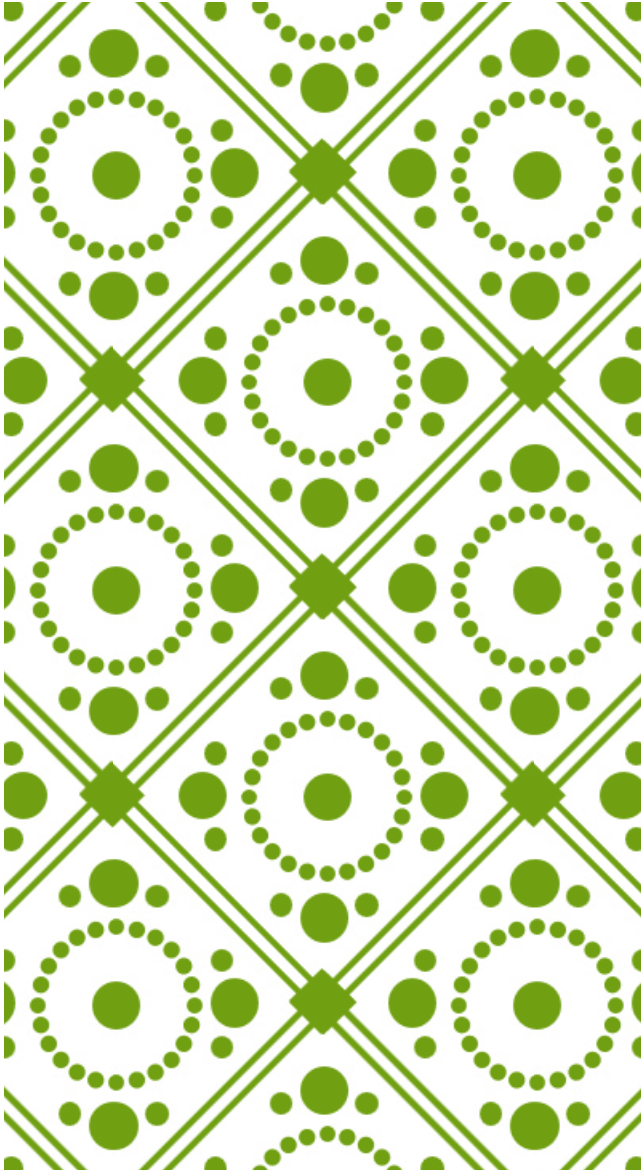tr   A single, horizontal row that goes across the table

td   Creates a cell.   Intersection of a column and row

caption   A centered, short description on top of the table

th   Column headers. Not required.

title1			title2	title3
cell1	cell2	cell3	cell2	cell3
cell4			cell5	cell6

NESTING

```html
<table id="table1">
  <tr>
    <th>title1</th>
    <th>title2</th>
    <th>title3</th>
  </tr>
  <tr>
    <td id="nested">
      <table id="table2">
        <tr>
          <td>cell1</td>
          <td>cell2</td>
          <td>cell3</td>
        </tr>
      </table>
    </td>
    <td>cell2</td>
    <td>cell3</td>
  </tr>
  <tr>
    <td>cell4</td>
    <td>cell5</td>
    <td>cell6</td>
  </tr>
</table>
```

COLSPAN

should be   <td>

<td colspan="2">

```html
<table>
  <tr>
    <th></th>
    <th>9am</th>
    <th>10am</th>
    <th>11am</th>
    <th>12am</th>
  </tr>
  <tr>
    <th>Monday</th>
    <td colspan="2">Geography</td>
    <td>Math</td>
    <td>Art</td>
  </tr>
  <tr>
    <th>Tuesday</th>
    <td colspan="3">Gym</td>
    <td>Home Ec</td>
  </tr>
</table>
```

RESULT

	9am	10am	11am	12am
Monday	Geography		Math	Art
Tuesday	Gym			Home Ec

ROWSPAN

```html
<table>
  <tr>
    <th></th>
    <th>ABC</th>
    <th>BBC</th>
    <th>CNN</th>
  </tr>
  <tr>
    <th>6pm - 7pm</th>
    <td rowspan="2">Movie</td>
    <td>Comedy</td>
    <td>News</td>
  </tr>
  <tr>
    <th>7pm - 8pm</th>
    <td>Sport</td>
    <td>Current Affairs</td>
  </tr>
</table>
```
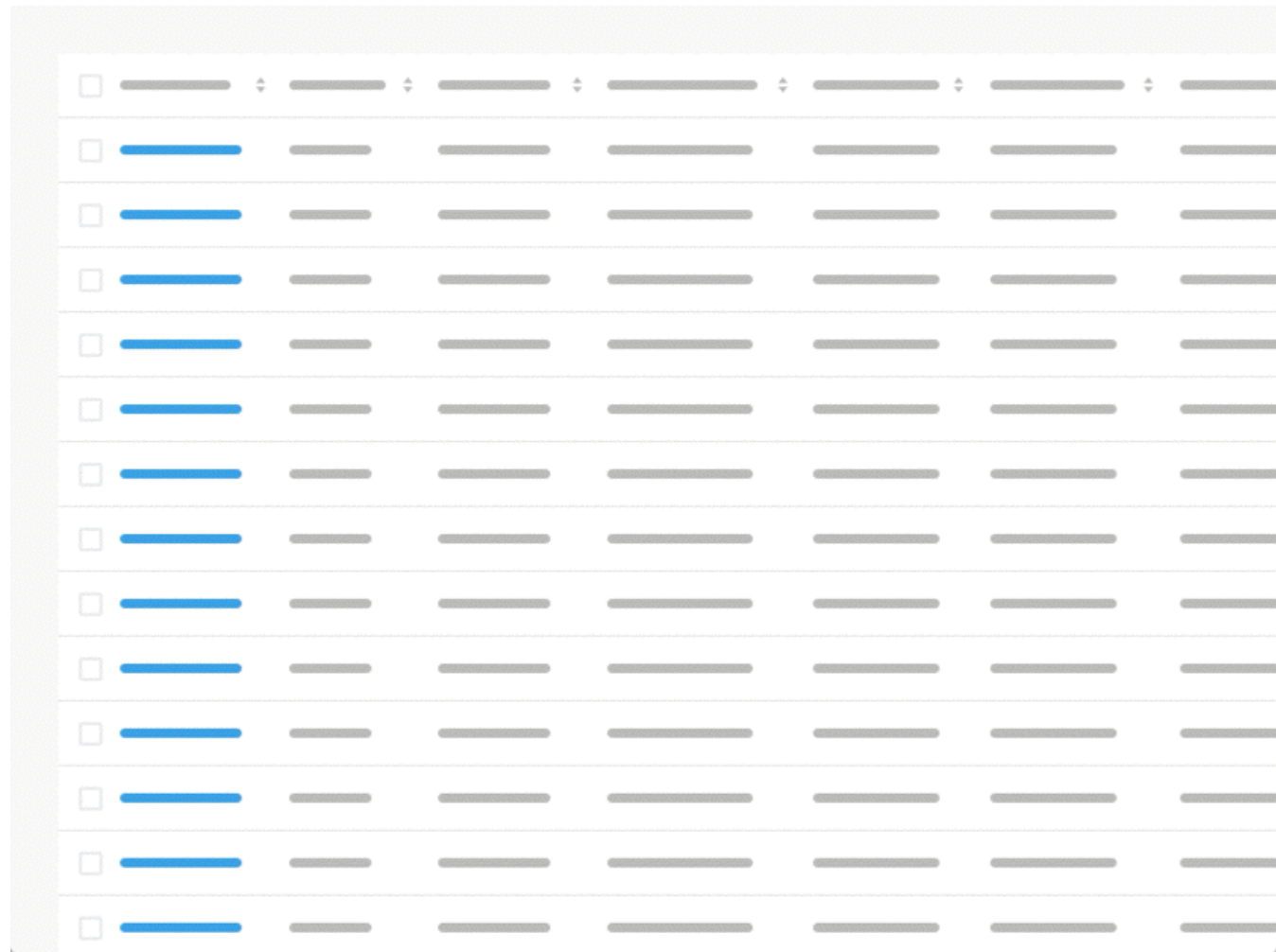
<td rowspan="2">

RESULT

	ABC	BBC	CNN
6pm - 7pm	Movie	Comedy	News
7pm - 8pm		Sport	Current Affairs

SCROLLABLE
(HEADERS STATIONARY)

https://bit.ly/3v0nIkK

OLD WAY: width and height, border, etc....

However, we should be using CSS

HTTPS://BIT.LY/3G5ALFC

```html
<table width="400" cellpadding="10" cellspacing="5">
  <tr>
    <th width="150"></th>
    <th>Withdrawn</th>
    <th>Credit</th>
    <th width="150">Balance</th>
  </tr>
  <tr>
    <th>January</th>
    <td>250.00</td>
    <td>660.50</td>
    <td>410.50</td>
  </tr>
  <tr>
    <th>February</th>
    <td>135.55</td>
    <td>895.20</td>
    <td>1170.15</td>
  </tr>
</table>
```

COLGROUP AND COL

To apply common styling to a column of cells

```
<table>
  <colgroup>
    <col>
    <col style="background-color: yellow">
  </colgroup>
  <tr>
    <th>Data 1</th>
    <th>Data 2</th>
  </tr>
  <tr>
    <td>Calcutta</td>
    <td>Orange</td>
  </tr>
  <tr>
    <td>Robots</td>
    <td>Jazz</td>
  </tr>
</table>
```

RESPONSIVE WEB DESIGN

NEVER USE TABLES

FOR PAGE TEMPLATES