Lesson 04 - HTML Tables

The element represents tabular data — that is, information presented in a two-dimensional table comprised of rows and columns of cells containing data.

Structuring Tables

There are a mix of tags that go along with making a table in html:

- the root level element
- <thead> optional, signifies that the child elements are going to be headings for the table
- signifies that the child elements are going to be the contents for the table
- > indicates a row in the table (table row)
- - indicates a cell in the table (table data)
- indicates a cell in the table that is a heading (table heading). To be used inside a <thead>

Take a look at the following example:

```
<thead>
Name
 Age
</thead>
Bob
 25
 Joe
 33
```

Let's break the above down a bit.

We start off with the main element. This contains all of the elements involved in building the table itself.

```
+ 
...
+
```

Then we have the table heading (<thead>) indicating that we are going to be defining the headers for the table inside.

Inside the <thead> we have a single to indicate that we need a row

Inside the we then specify two table headings , name and height

Next to (not inside) the <thead> component, we have the indicating that what is inside will have the tables contents.

```
<thead>
...
</thead>
+ 
...
+
```

Inside the we have two elements, indicating that this table has two rows.

And inside each row, we have two elements. The order of these elements is important as they must be in the same order as the table heading (if present).

This code would produce the following table

Name	Age
Bob	25
Joe	33

Empty Cells

Let's say we don't know Bob's name, only his age. We can't just exclude the tag containing his name. We'd have to provide it an empty one so that it still gets formatted properly.

```
<thead>
 Name
 Age
 </thead>
<!-- empty tag -->
 25
 Joe
 33
```

This would produce

Name	Age
	25
Joe	33

Vs if we just removed the tag, it would think that Bob's age is actually his name, due to the number of headings

```
<thead>

\th>Name
```

```
Age
```

Name	Age
25	
Joe	33

Exercise Instructions

- Create a file index.html
- Add a document title: Stanley Cup Champions
- Add a main title: Stanley Cup Champions
- Add a subtitle: Every team that's won the Cup
- Add the following image: https://nhl.bamcontent.com/images/photos/287516894/1024x576/cut.jpg
- Add an <h3> title with the following text: Champions
- Create a table with the following headings: Year, Team, Coach
- Fill the table data with the following info

```
2017, Pittsburgh Penguins, Mike Sullivan
2016, Pittsburgh Penguins, Mike Sullivan
2015, Chicago Blackhawks, Joel Quenneville
2014, Los Angeles Kings, Darryl Sutter
2013, Chicago Blackhawks, Joel Quenneville
2012, Los Angeles Kings, Darryl Sutter
2011, Boston Bruins, Claude Julien
2010, Chicago Blackhawks, Joel Quenneville
2009, Pittsburgh Penguins, Dan Bylsma
2008, leave empty columns here for team and coach
2007, Anaheim Ducks, Randy Carlyle
2006, Carolina Hurricanes, Peter Laviolette
2004, Tampa Bay Lightning, John Tortorella
2003, New Jersey Devils, Pat Burns
2002, Detroit Red Wings, Scotty Bowman
```

2001, Colorado Avalanche, Bob Hartley 2000, New Jersey Devils, Larry Robinson

Exercise Result



Further Reading

- MDN table doc
- MDN thead doc
- MDN tbody doc
- MDN tr doc
- MDN th doc
- MDN td doc