HTML TABLES
What are tables

- A table looks like a spreadsheet
- Tables are made up of cells, laid out in rows and columns, similar to a chess board
- A cell can contain data, text or images
- Cells can be combined horizontally or vertically
How to start a table

- Tables are created with the double-sided table tag:
  
  <table>....</table>
Tables require dimensions

- You can use either percentages or pixel dimensions
  - `<table width="100%" border="1">`
  - `<table width="640" border="1">`

- Borders can be displayed or made invisible
- Borders can have various thicknesses
If you indicate the size based on percentage:
- The table will resize as the window is resized

If you indicate the size based on pixels:
- The table will not resize as the window is resized, but there will be more control of the final look at a specific screen resolution
<tr>…</tr> creates a table row

<td>…</td> creates the actual cell, and stands for table data

<th>…</th> creates a table header which is bold and centered.
```html
<table>
  <tr>
    <th width="183">First Name</th>
    <th width="183">Last Name</th>
    <th width="252">Email Address</th>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
  </tr>
  <tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
  </tr>
</table>
```
Colspan combines selected cells in a row into one big row

<tr>
  <td colspan="3">&nbsp;</td>
</tr>
- **Rowspan** combines the selected cells in a row into one big column

```
<tr width="183" rowspan="2">First Name</tr>
```
If you create a table with 3 rows and 3 columns, it looks like a tic-tac-toe board.
The code

```html
<table width="314" height="291" border="1">
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
<tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
</tr>
</table>
```
Nested tables are when we build tables inside of tables.

Nesting tables is a common task in HTML and has many purposes.

To nest a table, you literally take the entire code used to build a table and place it between the `<td></td>` tags which create the cells of the outer table.
What a nested table might look like
```html
<table width="100%" border="1">
<tr>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr>
<tr>
<td>&nbsp;</td>
<td>&nbsp;</td>
<td>&nbsp;</td>
</tr>
</table>
```