* Table Basics
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* **Basic Pieces**

**Tables are made up of some basic pieces**

* **columns,**
* **rows,**
* **headers,**

**To create these pieces we use several specific HTML elements.**

* HTML ELEMENTS for a Basic Table
* **Table Element**
  + **<table>**
* **Table Row Element**
  + **<tr>**
* **Table Header Element**
  + **<th>**
* **Table Data Element**
  + **<td>**
* Table Element
* Written in HTML as <table>
* Used to initialize a table on an HTML page
* Signifies the information will be tabular data
* Signifies the information will be displayed in columns and rows.
* Table Row Element
* Written as <tr>
* Only used once a table has been defined in HTML
* Adds a row for every <tr> element
* No limit on the number of table rows
* Table Header Element
* Written <th>
* Designates a heading for a column or row of cells
* Creates a cell for data (similar to the table data element)
* Provides semantic value by signifying that the data within the cell is a heading rather than a generic piece of data.
* Table Data Element
* **Written <td>**
* **Creates a cell for data**
* **Only used once a table is defined and rows (<tr>) within that table have been set up,**
* **To create multiple columns within a table row**
  + **List multiple <td> elements one after the other**
* Table Data Element   
  vs   
  Table Header Element
* Much like the headings elements (<h1> through <h6>) and paragraphs element (<p>). The two elements work together to provide context for the information the are displaying.
* Similar to how the heading element content can tell you what to expect within a paragraph below it, the Table Header element provides context for the information in the Table Data elements.
* Table Structure
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* Table Structure

These are the elements that help us organize the data and structure the table.

* Table Caption
* Written <caption> in HTML
* Provides a caption or title for a table
* Identifies what the table pertains to and what data the user should expect find within it
* Must come immediately after the opening <table> tag
* Positioned at the top of a table by default
* Table Head
* Written <thead> in HTML
* Wraps the heading row or rows of a table
* Denote the head section of the table
* Placed at the top of a table, after any <caption> element and before any <tbody> element
* Table Body
* Written <tbody> in HTML
* Used to group the body content in an HTML table
* Defines a group of data rows in a table
* Must come after <table>, and any <caption>, and <thead> tags that might exist
* Offers semantic information for devices such as printers and displays
* Table Foot
* Written <tfoot> in HTML
* Wraps table rows to indicate the footer of the table
* Generally used to semantically indicate these are not data rows but ancillary information
* Can be used to repeat the header on longer tables
* Renders at the bottom of the table
* Example 1: Table Caption & Table Head Code

<table>

<caption>Quotes by Famous Fictional Characters</caption>

<thead>

<tr>

<th>Name</th>

<th>Universe</th>

<th>Saying</th>

</tr>

</thead>

* Example 1: Display
* White Area shows how the <caption>, <thead>, and <th> rows display in our example table
* Example 2: Table Body COde

<tbody>

<tr>

<td>Picard</td>

<td>Star Trek</td>

<td>Make it So.</td>

</tr>

* Example 2: Display
* Gray area indicates table body portion as it displays in our example table