

TABLE

No.	Full Name	Position	Salary
1	Bill Gates	Founder Microsoft	\$1000
2	Steve Jobs	Founder Apple	\$1200
3	Larry Page	Founder Google	\$1100
4	Mark Zuckerberg	Founder Facebook	\$1300

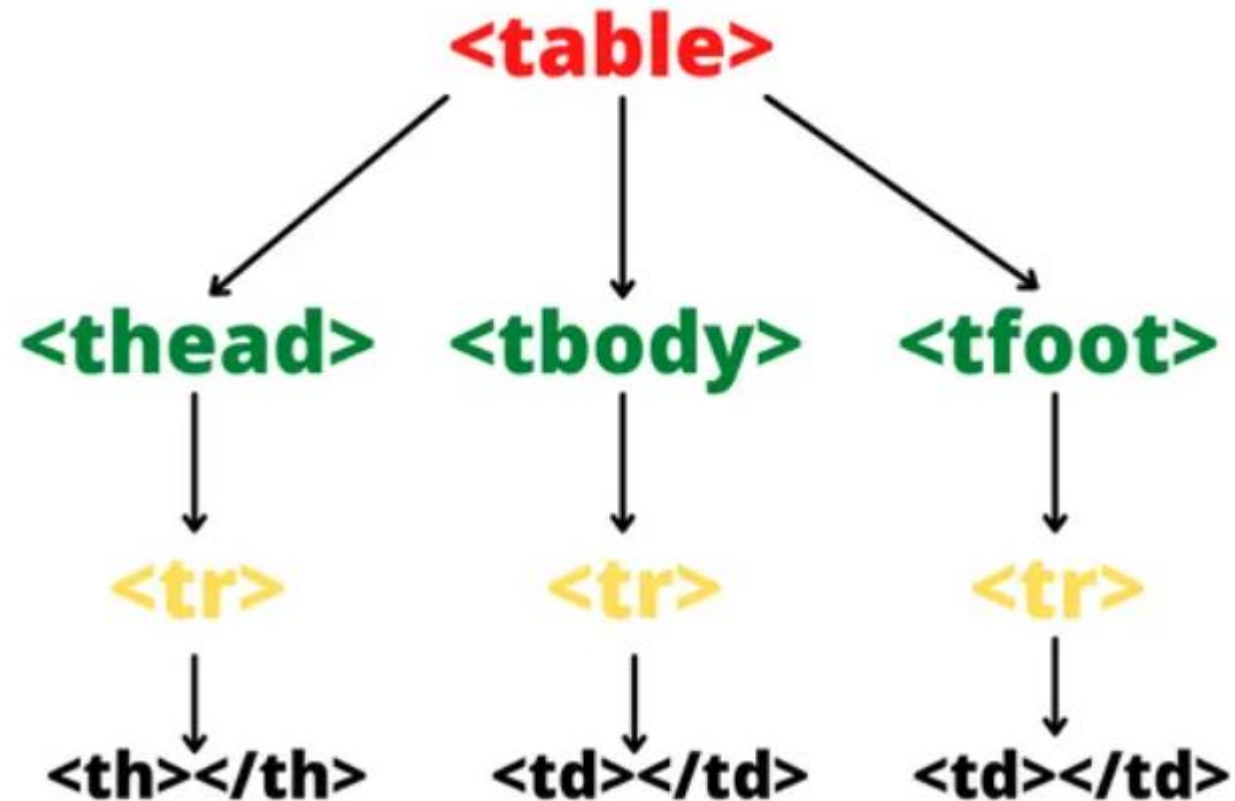
HTML Table Introduction

- When you're building a project that needs to represent data visually, you will need a good way to display the information so it's easy to read and understand.
- Now, depending on the type of data, you can select between different representation methods using HTML elements.
- In most cases, tables are more convenient to display large amounts of structured data nicely

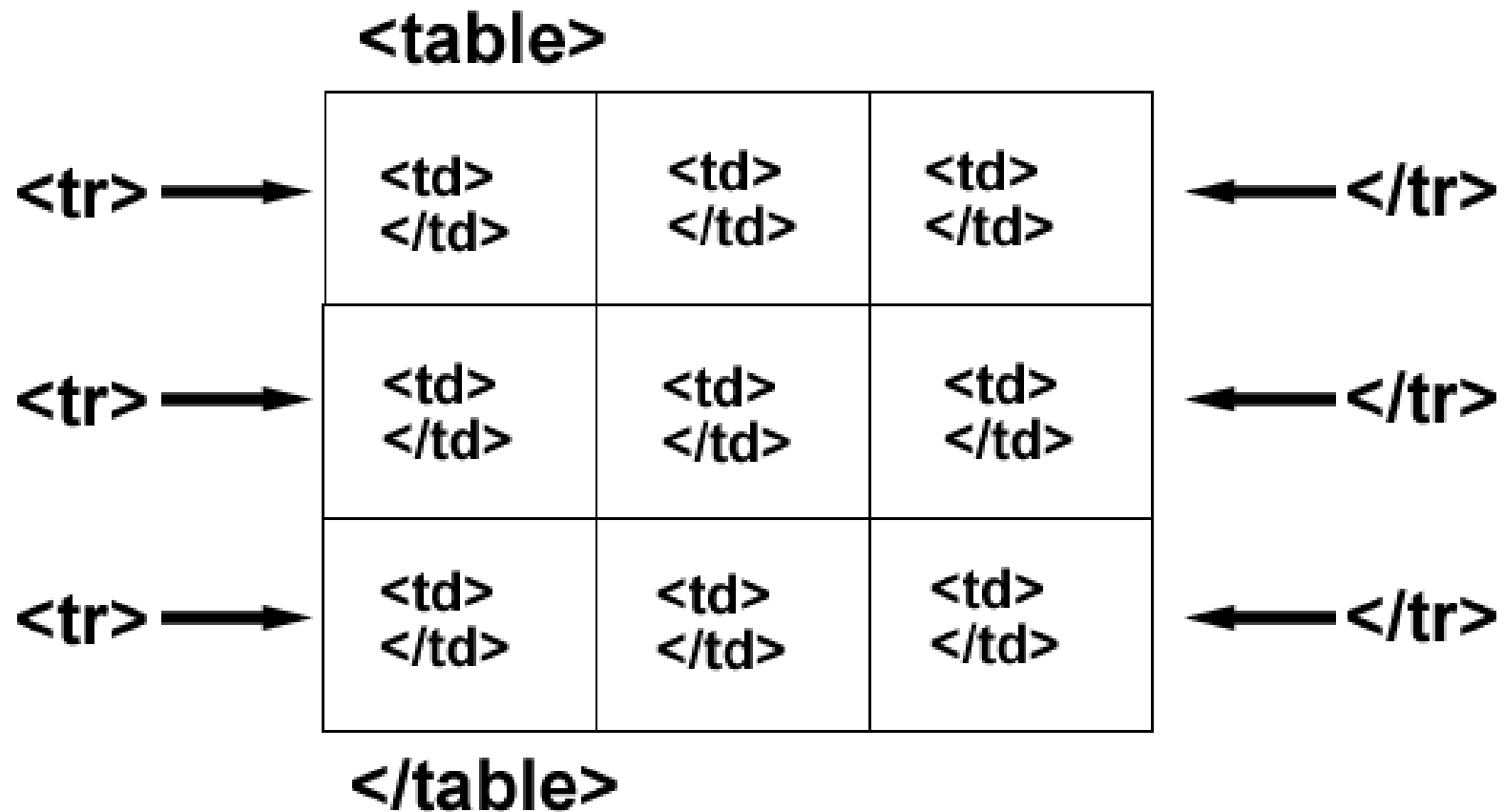


HTML Table tag

Family tree of Table tag in HTML



HTML Table tag



Common HTML Table tags

- `<tr>` - represents rows
- `<td>` - used to create data cells
- `<th>` - used to add table headings
- `<caption>` - used to insert captions
- `<thead>` - adds a separate header to the table
- `<tbody>` - shows the main body of the table
- `<tfoot>` - creates a separate footer for the table



HTML Table Syntax:

```
<table>
  <tr>
    <td>Cell 1</td>
    <td>Cell 2</td>
    <td>Cell 3</td>
  </tr>
  <tr>
    <td>Cell 4</td>
    <td>Cell 5</td>
    <td>Cell 6</td>
  </tr>
</table>
```

Cell 1	Cell 2	Cell 3
Cell 4	Cell 5	Cell 6



How to Add a Table Heading in HTML?



<th>

The <th> is used to add headings to tables.

In basic designs the table heading will always take the **top row**, meaning we will have the <th> declared in our first table row followed by the actual data in the table.

By default, the text passed in the Heading is **centered** and **Bold**.

First Name	Last Name	Email Address
Hillary	Nyakundi	tables@mail.com
Lary	Mak	developer@mail.com

An example
with use of <th>

- From the example above, we can tell what column contains which information.
- This is made possible with the use of <th> tag.



A large, solid orange circle is positioned on the left side of the slide, partially cut off by the edge.

How to Add a Caption to a Table?



<Caption>

- The main use of adding a caption to table is to provide a **description** about the data represented in the table.
- The caption can either be **placed at the top** of the table or the bottom and **by default it will always be centered.**
- To insert a caption into a table, use the <caption> tag.

Caption Syntax

<table>

<caption></caption>

<tr> </tr>

</table>

Free Coding Resources		
Sites	Youtube Channels	Mobile Appss
Freecode Camp	Freecode Camp	Enki
W3Schools	Academind	Programming Hero
Khan Academy	The Coding Train	Solo learn

Table Attributes

border attribute, in table tag, will add a border to your table

Syntax :

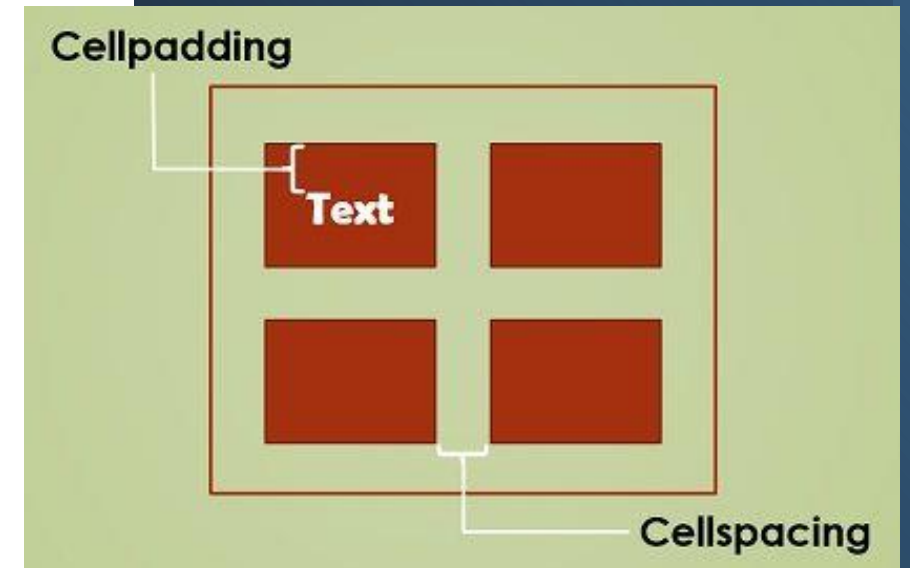
```
<table border='1'>
```

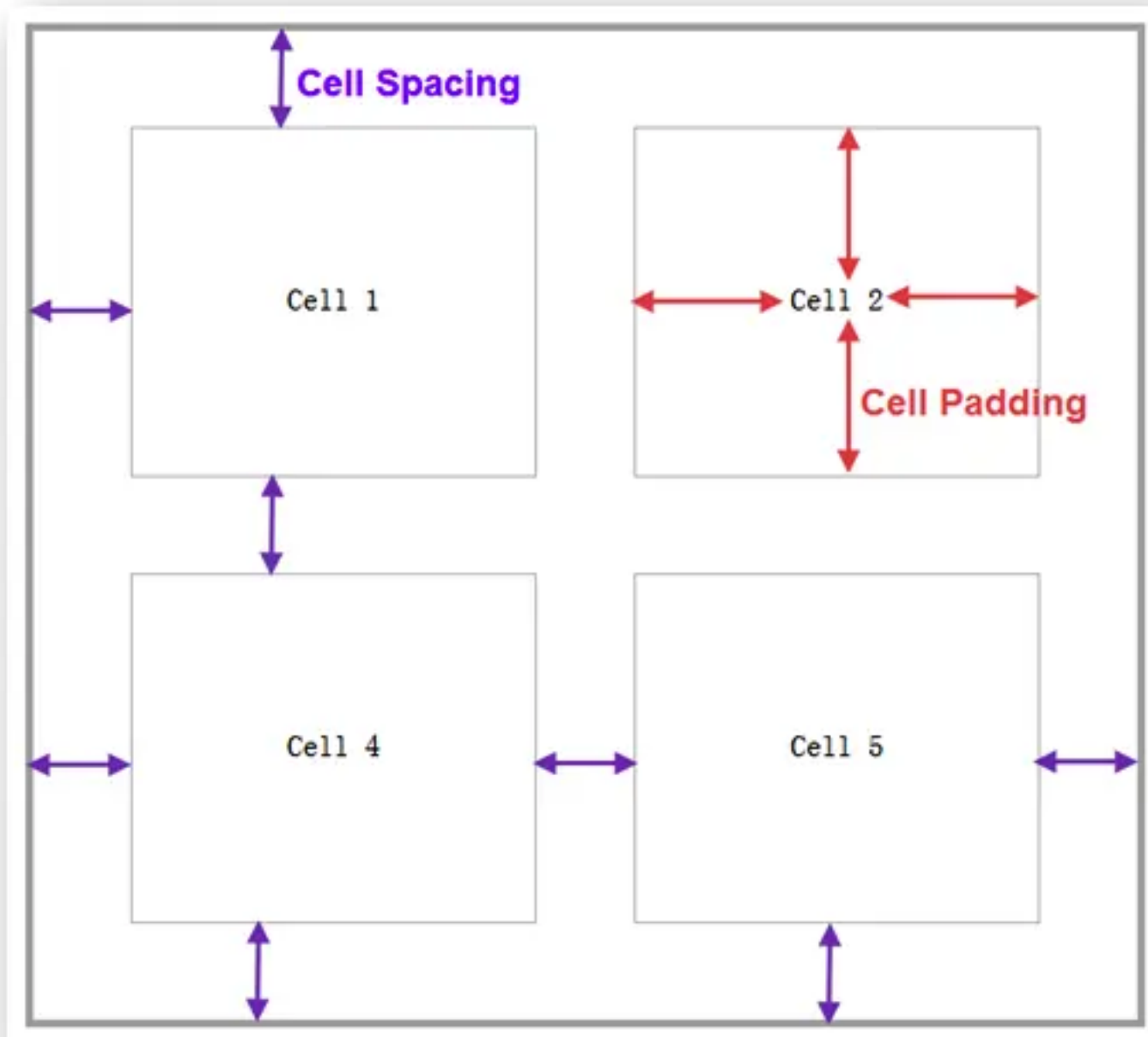
```
</table>
```

Tag	Attribute	Function
<table></table>	align	Controls table alignment (left, center, right)
	bgcolor	Sets background color for table
	cellspacing	Defines the space between cells in pixels
	cellpadding	Defines the space within the cells in pixels
	cols	Defines number of columns
	width	Sets table width relative to window width
<tr></tr>	align	Horizontally aligns rows (left, center, right, justify)
	bgcolor	Sets background color for row
	valign	Vertically aligns row (top, middle, bottom)
<th></th> And <td></td>	align	Horizontally aligns cells (left, center, right, justify)
	bgcolor	Sets background color for cell
	colspan	Sets number of columns spanned by a cell
	rowspan	Sets number of rows spanned by a cell
	valign	Vertically aligns cell (top, middle, bottom)

Cellpadding and Cell spacing Attribute

- There are two attributes called cellpadding and cellspacing which you will use to adjust the white space in your table cells.
- The **cellspacing** attribute defines space between table cells
- The **cellpadding** represents the distance between cell borders and the content within a cell.





Cell Spacing property

cellspacing = "30px"

Firstname	Lastname	Age
Harsh	Agarwal	15
Manas	Chhabra	27
Manas	Chhabra	27
Ramesh	Chandra	28

Cell Padding property

padding: 20px;

Firstname	Lastname	Age
Harsh	Agarwal	15
Manas	Chhabra	27
Ramesh	Chandra	28

Colspan and Rowspan Attributes

Data about the planets of our solar system (Planetary facts taken from [Nasa's Planetary Fact Sheet - Metric](#)).

		Name	Mass (10^{24} kg)	Diameter (km)	Density (kg/m ³)	Gravity (m/s ²)	Length of day (hours)	Distance from Sun (10^6 km)	Mean temperature (°C)	Number of moons	Notes
Terrestrial planets		Mercury	0.330	4,879	5427	3.7	4222.6	57.9	167	0	Closest to the Sun
		Venus	4.87	12,104	5243	8.9	2802.0	108.2	464	0	
		Earth	5.97	12,756	5514	9.8	24.0	149.6	15	1	Our world
		Mars	0.642	6,792	3933	3.7	24.7	227.9	-65	2	The red planet
Jovian planets	Gas giants	Jupiter	1898	142,984	1326	23.1	9.9	778.6	-110	67	The largest planet
		Saturn	568	120,536	687	9.0	10.7	1433.5	-140	62	
	Ice giants	Uranus	86.8	51,118	1271	8.7	17.2	2872.5	-195	27	
		Neptune	102	49,528	1638	11.0	16.1	4495.1	-200	14	
											Declassified as a planet in

Colspan and Rowspan Attributes

- You will use **colspan** attribute if you want to merge two or more columns into a single column
-
- Similar way you will use **rowspan** if you want to merge two or more rows.

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

Rowspan, Colspan : Example :

<tr>

<th>Column 1</th>

<th>Column 2</th>

<th>Column 3</th>

</tr>

<tr>

<td rowspan = "2">Row 1 Cell 1</td>

<td>Row 1 Cell 2</td>

<td>Row 1 Cell 3</td>

</tr>

<tr>

<td>Row 2 Cell 2</td>

<td>Row 2 Cell 3</td>

</tr>

<tr>

<td colspan = "3">Row 3 Cell 1</td>

</tr>

Time Table					
Hours	Mon	Tue	Wed	Thu	Fri
	Science	Maths	Science	Maths	Arts
	Social	History	English	Social	Sports
	Lunch				
	Science	Maths	Science	Maths	Project
	Social	History	English	Social	

NAME	OPERATOR	BEGAN OPERATION	TONNAGE	STATUS
Seabourne Sun	Seabourn Cruise Line	1988		Ended service in 2002, currently operating as Prinsendam
Adventures of the Seas	Royal Caribbean International	2001	138,000	Operating
Oceanic Independence	American Hawaiian Cruises / American Global Line	1974	23,719	Named formerly (1951-1974) and subsequently renamed (1982-2006) the Independence, renamed the Oceanic (2006), sold for scrap in 2008 but remains in mothballs
Cunard Ambassador	Cunard Line	1972	14,160	Burnt 1974, rebuilt into a livestock carrier, renamed Linda Clausen, later Procyon, Raslan. Scrapped 1984 after a second fire.



How to expand the table?

Table Height and Width

- You can set a table width and height using width and height attributes.
- You can specify table width or height in terms of pixels or in terms of percentage of available screen area.

Example:

```
<table border = "1" width = "400" height = "150">  
  <tr>  
    <td>Row 1, Column 1</td>  
    <td>Row 1, Column 2</td>  
  </tr>  
  
  <tr>  
    <td>Row 2, Column 1</td>  
    <td>Row 2, Column 2</td>  
  </tr>  
</table>
```




Thank you

