

# HTML Tables : By Gagan Baghel

## Tables

- **Purpose:**

Tables in HTML are used to display data in a structured manner with rows and columns, making it ideal for showing statistical or tabular data.

- **HTML Table Structure:**

- `<table>` : Defines the table.
- `<tr>` : Defines a table row.
- `<th>` : Defines a table header cell (bold and centered by default).
- `<td>` : Defines a table data cell.

- **Table Sections:**

1. `<thead>` : Groups the header content of a table.
2. `<tbody>` : Groups the body content of a table.
3. `<tfoot>` : Groups the footer content of a table.

Example:

```
<table>
  <thead>
    <tr>
      <th>Header 1</th>
      <th>Header 2</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Data 1</td>
      <td>Data 2</td>
    </tr>
```

```
</tbody>
<tfoot>
  <tr>
    <td>Footer 1</td>
    <td>Footer 2</td>
  </tr>
</tfoot>
</table>
```

- **Spanning Rows and Columns:**

- **colspan** : Merges a cell across multiple columns.
- **rowspan** : Merges a cell across multiple rows.

Example:

```
<table border="1">
  <tr>
    <th colspan="2">Header spanning two columns</th>
  </tr>
  <tr>
    <td rowspan="2">Row spanning two rows</td>
    <td>Cell 2</td>
  </tr>
  <tr>
    <td>Cell 3</td>
  </tr>
</table>
```

1st	2nd	3rd	4th
rowspan ="3"			

## Attributes of HTML Table Tags

### 1. `border` :

- **Purpose:** Defines the width of the table border.
- **Usage:** Adds borders around the table and cells.
- **Example:**

```
<table border="1">...</table>
```

### 2. `cellpadding` :

- **Purpose:** Specifies the space between the content of a cell and its border.
- **Usage:** Adds padding inside each table cell.
- **Example:**

```
<table cellpadding="10">...</table>
```

### 3. **cellspacing** :

- **Purpose:** Specifies the space between individual table cells.
- **Usage:** Defines the space between adjacent cells.
- **Example:**

```
<table cellspacing="5">...</table>
```

### 4. **width** :

- **Purpose:** Specifies the width of the table.
- **Usage:** Defines the table's width either as a percentage or a fixed value in pixels.
- **Example:**

```
<table width="50%">...</table>
```

### 5. **height** :

- **Purpose:** Specifies the height of the table.
- **Usage:** Defines the table's height either as a percentage or a fixed value in pixels.
- **Example:**

```
<table height="50%">...</table>
```

## 6. `align` :

- **Purpose:** Defines the alignment of the table on the page.
- **Values:** `left` , `right` , `center`
- **Example:**

```
<table align="center">...</table>
```

## 7. `bgcolor` :

- **Purpose:** Specifies the background color of the table.
- **Example:**

```
<table bgcolor="lightblue">...</table>
```

## 8. `summary` :

- **Purpose:** Provides a brief description of the table's content, improving accessibility for screen readers.
- **Example:**

```
<table summary="This table shows the sales data for 2024">...</table>  
>
```

## Attributes of `<tr>` Tag (Table Row):

- **Purpose:** The `<tr>` tag defines a row in the table, used to group cells (`<th>` or `<td>`).

### 1. `align` :

- **Purpose:** Specifies the horizontal alignment of the content inside the cells of the row.

- **Values:** `left`, `right`, `center`

- **Example:**

```
<tr align="center">...</tr>
```

## 2. `valign`:

- **Purpose:** Specifies the vertical alignment of the content inside the cells.
- **Values:** `top`, `middle`, `bottom`, `baseline`
- **Example:**

```
<tr valign="top">...</tr>
```

## 3. `bgcolor`:

- **Purpose:** Specifies the background color of the entire row.
- **Example:**

```
<tr bgcolor="lightgray">...</tr>
```

## Attributes of `<th>` Tag (Table Header):

- **Purpose:** The `<th>` tag defines a header cell. Text inside `<th>` elements is bold and centered by default.

### 1. `colspan`:

- **Purpose:** Specifies how many columns the header cell should span across.
- **Example:**

```
<th colspan="2">Header</th>
```

## 2. `rowspan` :

- **Purpose:** Specifies how many rows the header cell should span across.
- **Example:**

```
<th rowspan="2">Header</th>
```

## 3. `scope` :

- **Purpose:** Specifies whether the header is for a row or column, improving accessibility.
- **Values:** `col` , `row` , `colgroup` , `rowgroup`
- **Example:**

```
<th scope="col">Column Header</th>
```

## 4. `abbr` :

- **Purpose:** Provides an abbreviated version of the header text for screen readers.
- **Example:**

```
<th abbr="ID">Identifier</th>
```

## 5. `align`

- **Purpose:** Aligns the content horizontally inside the header.
- **Values:** `left` , `right` , `center` , `justify`
- **Example:**

```
<th align="right">Header</th>
```

## Attributes of `<td>` Tag (Table Data):

### 1. `colspan`:

- **Purpose:** Specifies how many columns the data cell should span across.
- **Example:**

```
<td colspan="2">Data</td>
```

### 2. `rowspan`:

- **Purpose:** Specifies how many rows the data cell should span across.
- **Example:**

```
<td rowspan="2">Data</td>
```

### 3. `headers`:

- **Purpose:** Refers to the ID of a header cell related to the data cell. This is used to associate data with its header in complex tables, improving accessibility.
- **Example:**

```
<td headers="header1">Data</td>
```

### 4. `align`:

- **Purpose:** Aligns the content horizontally inside the data cell.
- **Values:** `left`, `right`, `center`, `justify`
- **Example:**

```
<td align="right">Data</td>
```

### 5. `valign`:

- **Purpose:** Aligns the content vertically inside the data cell.

- **Values:** top , middle , bottom , baseline
- **Example:**

```
<td valign="top">Data</td>
```

## Attributes of `<thead>` , `<tbody>` , `<tfoot>` :

- These tags are used to group sections of the table:
  - `<thead>` : Groups the header rows.
  - `<tbody>` : Groups the body rows (data rows).
  - `<tfoot>` : Groups the footer rows, usually for summary or totals.
- These tags don't have specific attributes but help organize table data logically, improving accessibility and styling.

## Attributes of `<caption>` Tag:

- **Purpose:** The `<caption>` tag defines a title or description for the table. It appears at the top of the table by default.
- **Attributes:** No specific attributes, but it improves accessibility by providing context to users.

## Attributes of `<col>` and `<colgroup>` Tags:

- **Purpose:** The `<col>` and `<colgroup>` tags are used to define column properties. They allow you to apply styles or attributes to entire columns.
1. `span` :
    - **Purpose:** Specifies how many columns the `<col>` or `<colgroup>` should span.
    - **Usage:** Applies styles or settings to multiple columns.

## Summary of Attributes

Tag	Attribute	Purpose
<table>	border	Adds borders to the table
	cellpadding	Adds padding inside each cell
	cellspacing	Defines space between cells
	width	Sets the width of the table
	align	Aligns the table (left, right, center)
<tr>	align	Horizontally aligns the content in the row
	valign	Vertically aligns the content in the row
<th>	colspan	Spans the header across multiple columns
	rowspan	Spans the header across multiple rows

## Task's

Time Table					
Hours	mon	tues	Wed	Thrus	Fri
	Science	Maths	Science	Maths	Arts
	Science	Maths	Science	Maths	Arts
	Lunch				
	Science	Maths	Science	Maths	Project
	Science	Maths	Science	Maths	

## table -> tr -> td-> img

width=33%	width=33%	x/3 width=33%
width=49%	x/3 = 280	width=50%
width=33%	width=33%	x/3 width=33%

height= x = 100  
 $x/3 +x/3+x/3 =$   
 $3x/3 => x$

---

width = 100%     $100/3 = 33\% \times 3 \Rightarrow 99\%$   
width = tr-> only 1 td ->  
w=100%

Gagan ✓

Table #04

Class Schedule Table

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	 Yoga training 7 am-6 am		 Yoga training 7 am-6 am		 Yoga training 7 am-6 am	
 Yoga training 7 am-6 am		 Yoga training 7 am-6 am		 Yoga training 7 am-6 am		 Yoga training 7 am-6 am
	 Yoga training 7 am-6 am		 Yoga training 7 am-6 am		 Yoga training 7 am-6 am	
 Yoga training		 Yoga training		 Yoga training		 Yoga training



 <p><b>Resort Island</b> Business tagline goes here</p>	<p><b>Contact Us</b></p> <p>Email: contact@sunnybeachresort.com Phone: +1 (234) 567-8900 Address: 123 Paradise Lane, Beach City, CA 90210</p>	<p><b>Sunny Beach Resort</b></p> <p>Relax, Rejuvenate, and Reconnect Perfect Place for Your Comfort</p>	<p><b>Quick Links</b></p> <p><a href="#">Home</a> <a href="#">Gallery</a> <a href="#">Services</a> <a href="#">Registration</a></p>
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# tr

table

2nd td -> 2nd table

<b>1st td</b>	<b>Contact Us</b> Email: contact@sunnybeachresort.com Phone: +1 (234) 567-8900 Address: 123 Paradise Lane, Beach City, CA 90210  <b>2nd row</b>	<b>SUNNY BEACH RESORT</b> Relax, Rejuvenate, and Reconnect Perfect Place for Your Comfort  <small>© Made by Gagan Baghel 2024   All Rights Reserved to @SBR</small>	<b>3-td h4 tag</b> <b>table</b> 1st Home 2nd Gallery 3rd Services 4th Registration
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### Schedule Of The Day : Tabular representation

Major Slots	Morning			Lunch	Evening			Dinner	Recap
	7 to 8:30 am	9 to 11:30 am	12 to 1:30 pm	1:30 to 2:30pm	2:30 to 4pm	4:30 to 6pm	6:30 to 8pm	8 to 9pm	9 to 11:30 pm
Monday									
Tuesday	Web development		HTML : Learning Session		Semantic Elements	Make Notes	Minor Project		
Wednesday	frontend	HTML Interview Preparation Question's	Types of Attributes				Attributes Concepts		
Thursday	Framework	Important Topics are :	1. Core				Images		
Friday	• Tailwind CSS	1. Types of Attributes	2. Internationalization				Links		
Saturday	• React Js	2. Semantic Elements	3. Generic						
	Backend	3. Links	4. Global						
	1. Node JS	4. Image							
	2. Express JS	5. List							
	Database	6. Table	List - " Session "						
	• Mongo DB		Table - " Session "						
This is the tabular representation of my Daily Schedule, starting from the morning 7am up to night 11:30 pm. in which i have 7 1:30 hours learning sessions , 4 Short Breaks of 30 Mints each and 2 long breaks of hour each									

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Palm Meadows Resort

Palm Meadows Resort is spread over 5 acres of lush green - a Corporate Leisure Getaway with state of the art facilities located in close proximity to the IT Corridor and 45 minutes away from the Airport. The Resort, in addition to 78 rooms & suites, houses a 3000 sq ft gymnasium, indoor and outdoor swimming pools, full fledged spa providing various treatments, making it just the place to get back to, away from the bustle of the city. In other words it's work while you are taking a break at Palm Meadows. Features: Fully equipped business center



Royal Orchid Resort &amp; Convention Centre

Royal Orchid Resort, Bangalore is spread over 8 acres of greens. It houses 42 Deluxe rooms, 8 Superior rooms and 4 Exclusive Cottages with all modern comforts and amenities. It is very popular for its Indian restaurant – the 9th Mile Dhaba. It is also a much preferred venue for business conferences, weddings, parties and social get-togethers. Royal Orchid resort offers a Convention Center of 5500 sq ft which can accommodate upto 1200 guests and the Green Lawn Space can cater upto a crowd of 2500 guests.



Our Native Village Eco Resort

India's first and only 100% Eco resort with a fully natural swimming pool and a conference facility. Resort is managed on eco-principles and renewable energy is generated on site. Close to Bangalore, India's IT centre "Our Native Village" is set in serene, rustic surroundings with plenty of fresh air and village ambience. Traditional village games and bullock cart rides, swimming in a natural pond and massages to ease your senses are all offered on this beautiful property.

Wonderla Resort, the newest venture of Wonderla Holidays Limited, is a first-of-its-kind resort in India with an AMUSEMENT PARK attached to it. A never before combination of leisure and luxury. Wonderla Resort is built inside India's favourite amusement park - Wonderla, Bangalore. A "luxury" extension to Wonderla amusement park, this resort surrounded by acres of lush greenery, will offer the finest in hospitality. A holiday resort as well as a business hotel, the facilities here include fully equipped business/celebration halls, a swish resto-o-bar 'Red Ice', a fine dining theme restaurant 'Woods', ultra luxury rooms, heated pool and recreation area and of course, an amusement park in its backyard.

**Contact Us**

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**Sunny Beach Resort**

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## header table

	td ↑ <b>Home</b> <small align="center">align = "center"</small>	Gallery	Services	Registration
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 <p>Palm Meadows Resort</p> <p>Palm Meadows Resort is spread over 5 acres of lush green - a Corporate Leisure Getaway with state of the art facilities located in close proximity to the IT Corridor and 40 minutes away from the Airport. The Resort, in addition to 78 rooms &amp; suites, houses a 3000 sq ft gymnasium, a 1000 sq ft swimming pool, full fledged spa providing various treatments, making it just the place to get back to, away from the bustle of the city. In other words it's work, when you are taking a break at Palm Meadows. Features Fully equipped business center.</p>	 <p>Royal Orchid Resort &amp; Convention Centre</p> <p>Royal Orchid Resort, Bangalore is spread over 8 acres of greens. It houses 42 Deluxe rooms, 8 Superior rooms and 4 Exclusive Cottages, with all modern comforts and amenities. It is very close to Bangalore's IT hub - the 9th Mile Dabba. It is also a much preferred venue for business conferences, weddings, parties and social get-togethers. Royal Orchid resort offers a Convention Centre of 3500 sq ft which can accommodate 1000 guests and the Great Lawns Space can cater upto a crowd of 2500 guests.</p>	 <p>Our Native Village Fen Resort</p> <p>India's first and only 100% Eco resort with a fully functional organic farm and a conference facility. Resort is managed on eco-principles and renewable energy is generated on site. Close to Bangalore, India's IT centre 'Our Native Village' is set in serene, rustic surroundings with a mix of modern and village ambience. Traditional village games and bullock cart rides, swimming in a natural pool and managers to use your sunari are all offered on this beautiful property.</p>
<b>4th td colspan = "2"</b>		
 <p>Wondela Resort, the newest venture of Wondela Holidays Limited, is a first-of-its-kind resort in India with an AMUSEMENT PARK attached. A large before completion of leisure and entertainment, Wondela Resort is one inside India's foremost destination park - Wonderla. A 'one stop' extension to Wondela resort complex, this resort surrounded by acres of lush greenery, will offer the finest in hospitality. A holiday resort as well as a business hotel, the facilities here include fully equipped business celebration halls, a swish resto-o-bar 'Red Eye', a fine dining theme restaurant 'Woods', ultra luxury rooms, heated pool and recreation area and of course, an amusement park in its backyard.</p>		<p><b>Sunny Beach Resort</b></p> <p>Relax, Rejuvenate, and Recover! Perfect Place for Your Comfort</p> <p>Contact Us Email: contact@sunnybeachresort.com Phone: +1 (234) 567-8900 Address: 123 Paradise Lane, Beach City, CA 90210</p> <p>Quick Links <a href="#">Home</a> <a href="#">Gallery</a> <a href="#">Services</a> <a href="#">Registration</a></p> <p>© Made by Gagan Baghel 2024   All Rights Reserved to @SBR</p>

1st row

Body table ,  
width="80%"

2nd row

## Footer table

Gaga'