



**HTML: Tables** 

#### Table



- The HTML tables arrange data like text, images, links, other tables, etc. into rows and columns of cells
- An HTML table is defined with the tag
- Each table row is defined with the
- A table header is defined with the tag
- By default, table headings are bold and centered
- A table data/cell is defined with the tag

# Example



```
<!DOCTYPE html>
<html>
 <head>
  <title>HTML Tables</title>
 </head>
 <body>
  Row 1, Column 1
    Row 1, Column 2
   Row 2, Column 1
    Row 2, Column 2
   </body>
</html>
```

#### **OUTPUT**

Row 1, Column 1	Row 1, Column 2
Row 2, Column 1	Row 2, Column 2

### Table Heading



- Defined using tag
- Used to represent the heading row
- Can be used in any row
- Headings are centered and bold by default

#### Output

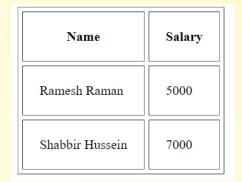
Name	Salary
Ramesh Raman	5000
Shabbir Hussein	7000

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Table Header</title>
</head>
<body>
 Name
   Salary
  Ramesh Raman
   5000
  Shabbir Hussein
   7000
  </body>
</html>
```

# Cellpadding and Cellspacing Attributes



- Adjust the white space in table cells
- Cellspacing: defines space between table cells
- Cellpadding: represents the distance between cell borders and the content within a cell



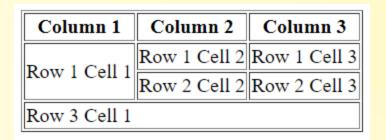
```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Table Cellpadding</title>
</head>
<body>
 Name
   Salary
  Ramesh Raman
   5000
  Shabbir Hussein
   7000
  </body>
```

</html>

# Colspan and Rowspan Attributes



- Colspan: merge two or more columns into a single column
- Rowspan: merge two or more rows



```
<html>
<head>
 <title>HTML Table Colspan/Rowspan</title>
</head>
<body>
 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
  </body>
</html>
```

# Background



#### Table background can be set using -

- bgcolor attribute set background color for whole table or just for one cell
- background attribute set background image for whole table or just for one cell
- bordercolor attribute set border color

```
        Column 1
        Column 2
        Column 3

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

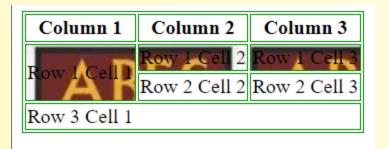
        Row 2 Cell 2
        Row 2 Cell 3

        Row 3 Cell 1
        Row 2 Cell 3
```

```
<html>
<head>
 <title>HTML Table Background</title>
</head>
<body>
 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
  </body>
</html>
```



```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Table Background</title>
</head>
<body>
 Column 1
  Column 2
  Column 3
  Row 1 Cell 1
  Row 1 Cell 2Row 1 Cell 3
  Row 2 Cell 2
  Row 2 Cell 3
  Row 3 Cell 1
  </body>
</html>
```



# Table Height and Width



- Set a table width and height
- Specify table width or height in terms of pixels or percentage of available screen area

Row 1, Column 1	Row 1, Column 2
Row 2, Column 1	Row 2, Column 2

```
<html>
<head>
 <title>HTML Table Width/Height</title>
</head>
<body>
 Row 1, Column 1
   Row 1, Column 2
  Row 2, Column 1
   Row 2, Column 2
  </body>
</html>
```

# Caption



- Serve as a title or explanation for the table
- It shows up at the top of the table

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Table Caption</title>
</head>
<body>
 <caption>This is the caption</caption>
  row 1, column 1row 1, columnn 2
  row 2, column 1row 2, columnn 2
  </body>
</html>
```

This is the caption	
row 1, column 1	row 1, column 2
row 2, column 1	row 2, columnn 2

#### \_\_\_

# Header, body and Footer



# Tables can be divided into three portions

- Header
- Body
- Foot

```
This is the head of the table

Cell 1 Cell 2 Cell 3 Cell 4

This is the foot of the table
```

```
<!DOCTYPE html>
<html>
<head>
 <title>HTML Table</title>
</head>
<body>
 <thead>
   This is the head of the table
   </thead>
   <tfoot>
   This is the foot of the table
   </tfoot>
  Cell 1
    Cell 2
    Cell 3
    Cell 4
   </body>
</html>
```

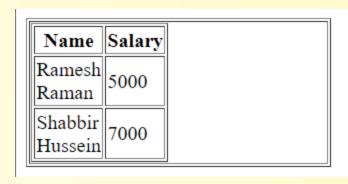
# Header, body and Footer



- The three elements for separating the head, body, and foot are –
  - > <thead> to create a separate table header
  - to indicate the main body of the table
  - <tfoot> to create a separate table footer

#### Nested Tables

- One table inside another table
- Not only tables, but one can use almost all the tags inside table data tag



```
<html>
<head>
 <title>HTML Table</title>
</head>
<body>
 >
   Name
    Salary
   Ramesh Raman
    5000
   Shabbir Hussein
    7000
   </body>
</html>
```

# Summary



### In this session, you have learned that:

<u>TAG</u>	<u>DESCRIPTION</u>
	Defines a table
	Defines a header cell in a table
	Defines a row in a table
>	Defines a cell in a table
<caption></caption>	Defines a table caption
<colgroup></colgroup>	Specifies a group of one or more columns in a table for formatting
<col/>	Specifies column properties for each column within a <colgroup> element</colgroup>
<thead></thead>	Groups the header content in a table
	Groups the body content in a table
<tfoot></tfoot>	Groups the footer content in a table





**HTML: Blocks** 



#### **Block Elements**

Block elements appear on the screen as if they have a line break before and after them. For example, the , <h1>, <h2>, <h3>, <h4>, <h5>, <h6>, , , <dl>, , <hr />, <blockquote>, and <address> elements are all block level elements. They all start on their own new line, and anything that follows them appears on its own new line.

#### **Inline Elements**

Inline elements, on the other hand, can appear within sentences and do not have to appear on a new line of their own. The <b>, <i>, <u>, <em>, <strong>, <sub>, <big>, <small>, , <ins>, <del>, <code>, <cite>, <dfn>, <kbd>, and <var> elements are all inline elements.

#### **Grouping HTML Elements**

There are two important tags which we use very frequently to group various other HTML tags (i) <div> tag and (ii) <span> tag

The <div> tag

This is the very important block level tag which plays a big role in grouping various other HTML tags and applying CSS on group of elements. Even now <div> tag can be used to create webpage layout where we define different parts (Left, Right, Top etc.) of the page using <div> tag. This tag does not provide any visual change on the block but this has more meaning when it is used with CSS.



```
<!DOCTYPE html>
<html>
 <head>
  <title>HTML div Tag</title>
 </head>
 <body>
  <!-- First group of tags -->
  <div style = "color:red">
   <h4>This is first group</h4>
   Following is a list of vegetables
   Beetroot
    Ginger
    Potato
    Radish
   </div>
  <!-- Second group of tags -->
  <div style = "color:green">
   <h4>This is second group</h4>
   Following is a list of fruits
   Apple
    Banana
     Mango
    Strawberry
   </div>
 </body>
</html>
```

#### This is first group

Following is a list of vegetables

- Beetroot
- Ginger
- Potato
- Radish

#### This is second group

Following is a list of fruits

- Apple
- Banana
- Mango
- Strawberry



Thankyou