# CHAPTER 6 TABLE AND LIST

#### **Learning Objectives:**

After reading this INFORMATION SHEET, YOU MUST be able to:

- Create a table within a web page.
- ❖ Insert ordered and unordered lists within a web page.

This chapter demonstrates about the HTML Tables and List which are used to insert the data like images, text, links into rows and columns of cells and organize the data in the websites.

#### **CHAPTER 6.1: Tables**

The HTML tables allow web authors to arrange data like text, images, links, other tables, etc. into rows and columns of cells.

The HTML tables are created using the tag in which the tag is used to create table rows and tag is used to create data cells. The elements under are regular and left aligned by default

```
<!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>
```

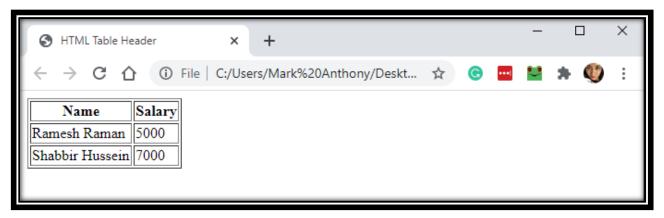


Here, the **border** is an attribute of tag and it is used to put a border across all the cells. If you do not need a border, then you can use border = "0".

### **Table Heading**

Table heading can be defined using **>** tag. This tag will be put to replace **>** tag, which is used to represent actual data cell. Normally you will put your top row as table heading as shown below, otherwise you can use **>** element in any row. Headings, which are defined in **>** tag are centered and bold by default.

```
<!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**

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, while cellpadding represents the distance between cell borders and the content within a cell.

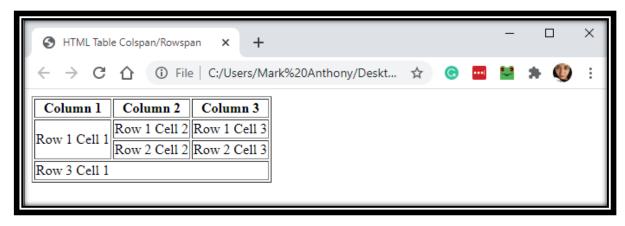
```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table Cellpadding</title>
 </head>
 <body>
   Name
      Salary
    Ramesh Raman
      5000
    Shabbir Hussein
      7000
    </body>
</html>
```



### Colspan and Rowspan Attributes

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.

```
<!DOCTYPE html>
<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>
```



## **Tables Backgrounds**

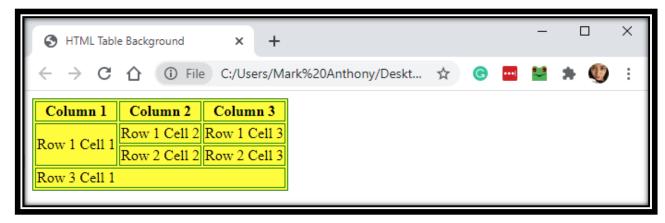
You can set table background using one of the following two ways -

- bgcolor attribute You can set background color for whole table or just for one cell.
- background attribute You can set background image for whole table or just for one cell.

You can also set border color also using **bordercolor** attribute.

**Note** – The *bgcolor*, *background*, and *bordercolor* attributes deprecated in HTML5. Do not use these attributes.

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



Here is an example of using **background** attribute. Here we will use an image available in /images directory.

```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table Background</title>
 </head>
 <body>
   "/images/test.png">
    Column 1
      Column 2
      Column 3
    Row 1 Cell 1
      Row 1 Cell 2Row 1 Cell 3
```

This will produce the following result. Here background image did not apply to table's header.

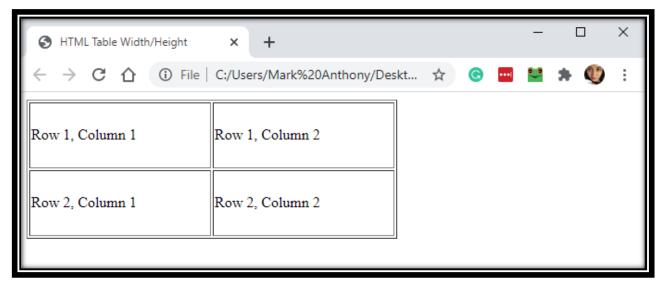


# Table Height and Width

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.

```
<!DOCTYPE html>
<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>
```

This will produce the following result –



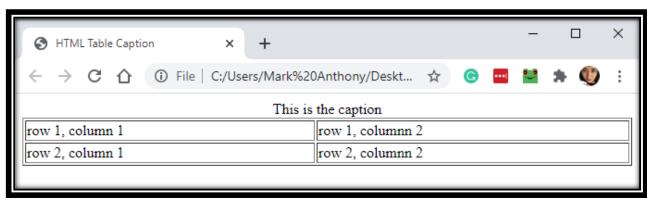
# **Table Caption**

The **caption** tag will serve as a title or explanation for the table and it shows up at the top of the table. This tag is deprecated in newer version of HTML/XHTML.

#### Example

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

This will produce the following result –



### Table Header, Body, and Footer

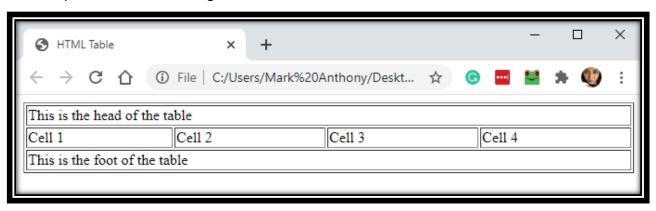
Tables can be divided into three portions – a header, a body, and a foot. The head and foot are rather similar to headers and footers in a word-processed document that remain the same for every page, while the body is the main content holder of the table.

The three elements for separating the head, body, and foot of a table are -

- <thead> to create a separate table header.
- to indicate the main body of the table.
- <tfoot> to create a separate table footer.

A table may contain several elements to indicate *different pages* or groups of data. But it is notable that <thead> and <tfoot> tags should appear before

```
<!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>
```



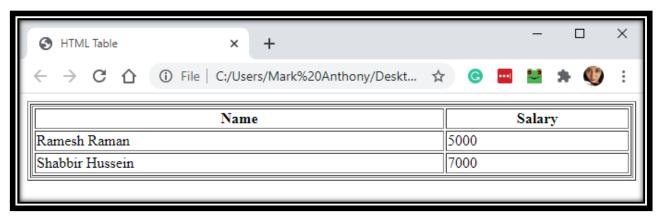
#### **Nested Tables**

You can use one table inside another table. Not only tables you can use almost all the tags inside table data tag .

#### Example

Following is the example of using another table and other tags inside a table cell.

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



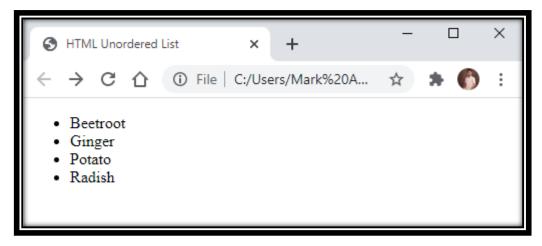
#### CHAPTER 6.2: HTML List

HTML offers web authors three ways for specifying lists of information. All lists must contain one or more list elements. Lists may contain –

- **An unordered list. This will list items using plain bullets.**
- - An ordered list. This will use different schemes of numbers to list your items.
- <dl> A definition list. This arranges your items in the same way as they are arranged in a dictionary.

#### **HTML Unordered Lists**

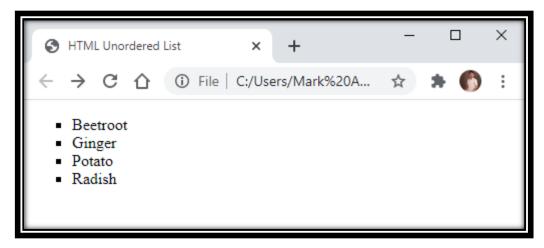
An unordered list is a collection of related items that have no special order or sequence. This list is created by using HTML  **tag.** Each item in the list is marked with a bullet.



# The type Attribute

You can use **type** attribute for tag to specify the type of bullet you like. By default, it is a disc. Following are the possible options –

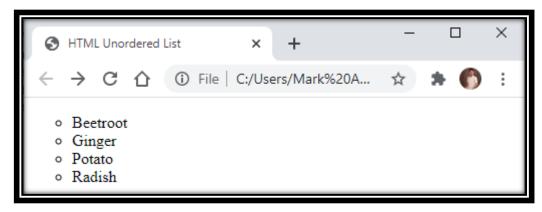
# Example



### Example

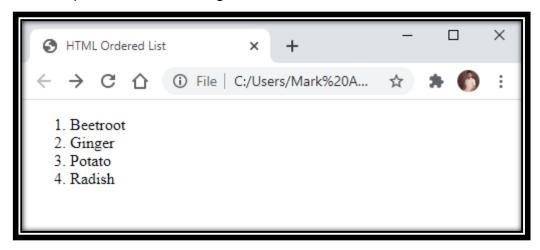


# Example



#### **HTML Ordered Lists**

If you are required to put your items in a numbered list instead of bulleted, then HTML ordered list will be used. This list is created by using  **tag.** The numbering starts at one and is incremented by one for each successive ordered list element tagged with **<**li>.

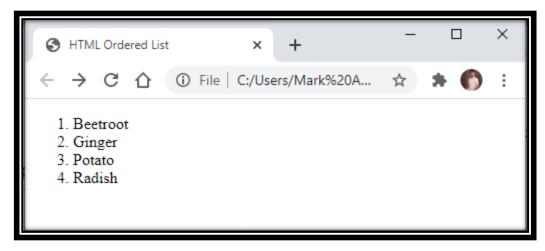


# The type Attribute

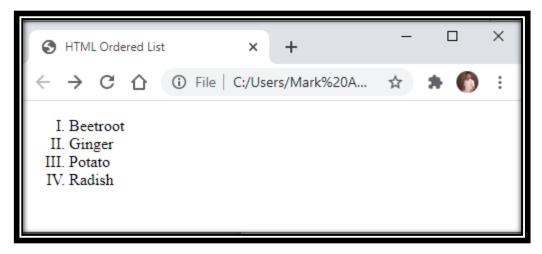
You can use **type** attribute for tag to specify the type of numbering you like. By default, it is a number. Following are the possible options –

```
 - Default-Case Numerals.
 - Upper-Case Numerals.
 - Lower-Case Numerals.
 - Upper-Case Letters.
 - Lower-Case Letters.
```

# Example



# Example



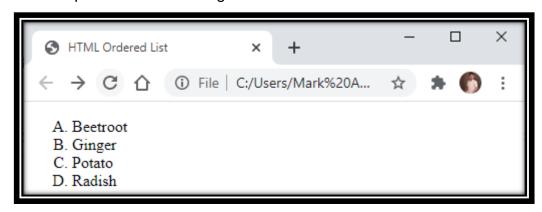
# Example



### Example

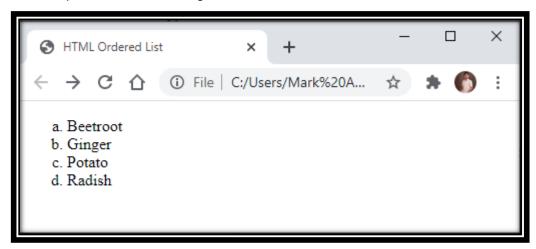
Following is an example where we used

This will produce the following result –



Following is an example where we used

This will produce the following result -



# The start Attribute

You can use **start** attribute for tag to specify the starting point of numbering you need. Following are the possible options –

Following is an example where we used

This will produce the following result -



#### **HTML Definition Lists**

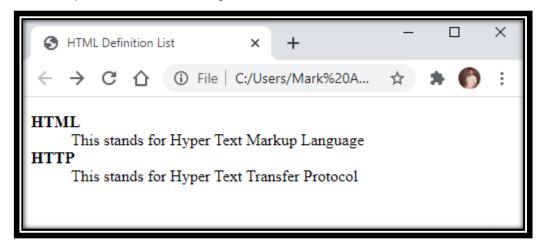
HTML and XHTML supports a list style which is called **definition lists** where entries are listed like in a dictionary or encyclopedia. The definition list is the ideal way to present a glossary, list of terms, or other name/value list.

Definition List makes use of following three tags.

- <dl> Defines the start of the list
- <dt> A term
- <dd> Term definition
- </dl> Defines the end of the list

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This will produce the following result -



# **VIDEO TUTORIAL LINK**

HTML - Table

 $\underline{https://www.youtube.com/watch?v=GuOb9t1zeQg\&list=PLWPirh4EWFpFI-w62QiV62FOVHcXnynon\&index=10}$ 

HTML - List

https://www.youtube.com/watch?v=1Pv3dlO8KWw&list=PLWPirh4EWFpFIw62QiV62FOVHcXnynon&index=11

# REFERENCES:

- <a href="https://www.tutorialspoint.com/html/html">https://www.tutorialspoint.com/html/html</a> <a href="tables.htm">tables.htm</a>
- <a href="https://www.tutorialspoint.com/html/html">https://www.tutorialspoint.com/html/html</a> lists.htm

**CHAPTER 6: TABLES AND LIST**