Tables

Defining an HTML Table

- An HTML table is defined with the tag.
- Each table row is defined with the
 tag. 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

```
>
 Firstname
 Lastname
 Age
Jill
 Smith
 50
Eve
 Jackson
 94
```

HTML <caption> Tag

Example

A table with a caption:

```
<caption>Monthly savings</caption>

Month
Savings

<tt>January
```

Definition and Usage

- The <caption> tag defines a table caption.
- The <caption> tag must be inserted immediately after the tag.

Note: You can specify only one caption per table.

Tip: By default, a table caption will be center-aligned above a table. However, the CSS properties <u>text-align</u> and <u>caption-side</u> can be used to align and place the caption.

HTML <colgroup> Tag

Example

Set the background color of the three columns with the <colgroup> and <col> tags:

```
<colgroup>
  <col span="2" style="background-color:red">
  <col style="background-color:yellow">
 </colgroup>
 ISBN
  Title
  Price
 3476896
  My first HTML
  $53
```

- The <colgroup> tag specifies a group of one or more columns in a table for formatting.
- The <colgroup> tag is useful for applying styles to entire columns, instead of repeating the styles for each cell, for each row.

Note: The <colgroup> tag must be a child of a element, after any <caption> elements and before any <thead>, , <tfoot>, and elements.

HTML Tag

Example

An HTML table with a <thead>, , and a <tfoot> element:

```
<thead>
 Month
  Savings
 </thead>
January
  $100
 February
  $80
 <tfoot>
 Sum
  $180
 </tfoot>
```

Definition and Usage

- The tag is used to group the body content in an HTML table.
- The element is used in conjunction with the <thead> and <tfoot> elements to specify each part of a table (body, header, footer).

Browsers can use these elements to enable scrolling of the table body independently of the header and footer. Also, when printing a large table that spans multiple pages, these elements can enable the table header and footer to be printed at the top and bottom of each page.

The tag must be used in the following context: As a child of a element, after any <caption>, <colgroup>, and <thead> elements.

HTML <thead> Tag

Definition and Usage

- The <thead> tag is used to group header content in an HTML table.
- The <thead> element is used in conjunction with the and <tfoot> elements to specify each part of a table (header, body, footer).
- Browsers can use these elements to enable scrolling of the table body independently of the header and footer. Also, when printing a large table that spans multiple pages, these elements can enable the table header and footer to be printed at the top and bottom of each page.
- The <thead> tag must be used in the following context: As a child of a element, after any <caption>, and <colgroup> elements, and before any , <tfoot>, and elements.

HTML <tfoot> Tag

Definition and Usage

- The <tfoot> tag is used to group footer content in an HTML table.
- The <tfoot> element is used in conjunction with the <thead> and elements to specify each part of a table (footer, header, body).
- Browsers can use these elements to enable scrolling of the table body independently of the header and footer. Also, when printing a large table that spans multiple pages, these elements can enable the table header and footer to be printed at the top and bottom of each page.
- The <tfoot> tag must be used in the following context: As a child of a element, after any <caption>, <colgroup>, <thead>, and elements.

HTML Tag

- 1. The tag defines a standard cell in an HTML table.
- 2. An HTML table has two kinds of cells:
- Header cells contains header information (created with the element)
- Standard cells contains data (created with the element)

- 3. The text in elements are bold and centered by default.
- 4. The text in elements are regular and left-aligned by default.

HTML Tag

Definition and Usage

- 1. The tag defines a header cell in an HTML table.
- 2. An HTML table has two kinds of cells:
- Header cells contains header information (created with the element)
- Standard cells contains data (created with the element)
- 3. The text in elements are bold and centered by default.
- 4. The text in elements are regular and left-aligned by default.

HTML Tag

Definition and Usage

- The tag defines a row in an HTML table.
- A
 element contains one or more or elements.

Forms

HTML <form> Tag

Example

An HTML form with two input fields and one submit button:

```
<form action="/action_page.php" method="get">
  First name: <input type="text" name="fname"><br>
    Last name: <input type="text" name="lname"><br>
    <input type="submit" value="Submit">
</form>
```

Definition and Usage

• The <form> tag is used to create an HTML form for user input.

HTML <fieldset> Tag

Example

Group related elements in a form:

```
<form>
  <fieldset>
    <legend>Personalia:</legend>
    Name: <input type="text"><br>
    Email: <input type="text"><br>
    Date of birth: <input type="text"></fieldset>
</form>
```

Definition and Usage

- The <fieldset> tag is used to group related elements in a form.
- The <fieldset> tag draws a box around the related elements.

HTML < legend > Tag

Definition and Usage

The <legend> tag defines a caption for the <fieldset> element.

HTML < label > Tag

Example

Three radio buttons with labels:

```
<form action="/action_page.php">
   <label for="male">Male</label>
   <input type="radio" name="gender" id="male" value="male"><br>
   <label for="female">Female</label>
   <input type="radio" name="gender" id="female" value="female"><br>
   <label for="other">Other</label>
   <input type="radio" name="gender" id="other" value="other"><br>
   <input type="radio" name="gender" id="other" value="other"><br>
   <input type="submit" value="Submit"><</form>
```

Definition and Usage

- The <label> tag defines a label for a <button>, <input>, <meter>, <output>, <progress>, <select>, or <textarea> element.
- The <label> element does not render as anything special for the user.
 However, it provides a usability improvement for mouse users, because if the user clicks on the text within the <label> element, it toggles the control.
- The for attribute of the <label> tag should be equal to the id attribute of the related element to bind them together.

HTML <input> Tag

Example

An HTML form with three input fields; two text fields and one submit button:

```
<form action="/action_page.php">
  First name: <input type="text" name="fname"><br>
    Last name: <input type="text" name="lname"><br>
    <input type="submit" value="Submit">
</form>
```

Definition and Usage

- The <input> tag specifies an input field where the user can enter data.
- <input> elements are used within a <form> element to declare input controls that allow users to input data.
- An input field can vary in many ways, depending on the type attribute.

HTML <button> Tag

Example

A clickable button is marked up as follows:

```
<button type="button">Click Me!</button>
```

- The <button> tag defines a clickable button.
- Inside a <button> element you can put content, like text or images. This is the difference between this element and buttons created with the <input> element.

HTML <select> Tag

Example

Create a drop-down list with four options:

```
<select>
    <option value="volvo">Volvo</option>
    <option value="saab">Saab</option>
    <option value="mercedes">Mercedes</option>
    <option value="audi">Audi</option>
</select>
```

Definition and Usage

- The <select> element is used to create a drop-down list.
- The <u><option></u> tags inside the <select> element define the available options in the list.

HTML < option > Tag

Definition and Usage

- The <option> tag defines an option in a select list.
- <option> elements go inside a <select> or <datalist> element.

HTML <optgroup> Tag

Example

Group related options with <optgroup> tags:

```
<select>
  <optgroup label="Swedish Cars">
      <option value="volvo">Volvo</option>
      <option value="saab">Saab</option>
  </optgroup>
  <optgroup label="German Cars">
      <option value="mercedes">Mercedes</option>
      <option value="audi">Audi</option>
      </optgroup>
  </select>
```

Definition and Usage

- The <optgroup> is used to group related options in a drop-down list.
- If you have a long list of options, groups of related options are easier to handle for a user.

HTML <textarea > Tag

Example

An HTML text area:

```
<textarea rows="4" cols="50">
```

At w3schools.com you will learn how to make a website. We offer free tutorials in all web development technologies.

</textarea>

- The <textarea> tag defines a multi-line text input control.
- A text area can hold an unlimited number of characters, and the text renders in a fixed-width font (usually Courier).
- The size of a text area can be specified by the cols and rows attributes, or even better; through CSS' height and width properties.