



**Desain Web IF-1P03**

## **2. HTML BASIC TABLE**

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# Objective

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This section learn to knows:

- ▶ Table
- ▶ list



# Tables

- The <table> tag defines an HTML table.
- table consists of the <table> element and one or more <tr>, <th>, and <td> elements.
- The <tr> element defines a table row,
- the <th> element defines a table header,
- and the <td> element defines a table cell.
- A more complex HTML table may also include <caption>, <col>, <colgroup>, <thead>, <tfoot>, and <tbody> elements.

```
<table border="1">  
  <tr>  
    <td>row 1, cell 1</td>  
    <td>row 1, cell 2</td>  
  </tr>  
  <tr>  
    <td>row 2, cell 1</td>  
    <td>row 2, cell 2</td>  
  </tr>  
</table>
```

|               |               |
|---------------|---------------|
| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 | row 2, cell 2 |

# Tables

```
<table border="1">
  <tr>
    <th>Heading</th>
    <th>Another Heading</th>
  </tr>
  <tr>
    <td>row 1, cell 1</td>
    <td>row 1, cell 2</td>
  </tr>
  <tr>
    <td>row 2, cell 1</td>
    <td>row 2, cell 2</td>
  </tr>
</table>
```

header information in a table are defined with the `<th>` tag. All major browsers display the text in the `<th>` element as bold and centered.

| Heading       | Another Heading |
|---------------|-----------------|
| row 1, cell 1 | row 1, cell 2   |
| row 2, cell 1 | row 2, cell 2   |

## <th> colspan Attribute

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- ▶ The colspan attribute defines the number of columns a header cell should span.
- ▶ `<th colspan="number">`

| Value  | Description   |
|--------|---|
| number | Sets the number of columns a header cell should span.<br>Note: colspan="0" tells the browser to span the cell to the last column of the column group (<colgroup>) |

```
<tr>
  <th colspan="2">Month</th>
</tr>
<tr>
  <td>January</td>
  <td>February</td>
</tr>
```



## <th> rowspan Attribute

---

- ▶ The rowspan attribute defines the number of rows a header cell should span.
- ▶ **Syntax**
- ▶ <th rowspan="*number*">

| Value  | Description   |
|--------|---|
| number | Sets the number of rows a header cell should span. Note: rowspan="0" tells the browser to span the cell to the last row of the table section (thead, tbody, or tfoot) |



```
<table border="1">
  <tr>
    <th>Month</th>
    <th>Savings</th>
    <th rowspan="3">Savings for holiday!</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$80</td>
  </tr>
</table>
```





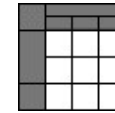
## Tables with irregular headers

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- ▶ This page covers tables with header cells that span multiple columns and/or rows. Several elements and attributes can be used to define the structure and relationships of the header and data cells.
- ▶ For example, a header cell that spans three columns should be associated to corresponding data cells in the column group. This can be done by setting the scope attribute of the header cell to the value colgroup. The same principle applies to header cells spanning multiple rows. In this case they are associated with by using the value rowgroup in the scope attribute.



## Tables with irregular headers (2)



- ▶ However, before making these associations, the structure of such groups of columns and rows needs to be defined in the table markup:
- ▶ A column group is defined using the `<colgroup>` element.
- ▶ A row group is defined by the `<thead>`, `<tfoot>` and `<tbody>` elements.
- ▶ `<thead>` and `<tfoot>` elements can be used once in a table.
- ▶ A table can have any number of `<tbody>` elements that each defines a row group.



# Empty cell

---

```
<table border="1">
<tr>
  <td>Some text</td>
  <td>Some text</td>
</tr>
<tr>
  <td></td>
  <td>Some text</td>
</tr>
</table>
```

Note  
non-breaking space (&nbsp;)  
for empty cell



# Lists

---

- ▶ The most common HTML lists are ordered and unordered lists:

## HTML Lists

### An ordered list:

1. The first list item
2. The second list item
3. The third list item

### An unordered list:

- List item
- List item
- List item



# *Unordered Lists*

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- ▶ An unordered list starts with the <ul> tag. Each list item starts with the <li> tag.
- ▶ The list items are marked with bullets (typically small black circles).
- ▶ The <li> tag defines a list item.
- ▶ The <li> tag is used in both ordered (<ol>) and unordered (<ul>) lists.

```
<ul >  
<li> Bullet point number one </li>  
<li> Bullet point number two </li>  
<li> Bullet point number three </li>  
</ul>
```



## Ordered Lists

---

- ▶ An ordered list starts with the `<ol>` tag. Each list item starts with the `<li>` tag.
- ▶ The list items are marked with numbers.

```
<ol>  
<li> Point number one </li>  
<li> Point number two </li>  
<li> Point number three /li>  
</ol>
```

```
<ol>  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

```
<ul>  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```



## Ordered lists

---

- ▶ **<li> type Attribute**
- ▶ **Syntax**
- ▶ `<li type="I |a|A|i|I|disc|circle|square">`

| Value | Description   |
|-------|---|
| I     | Default. Numerical ordered list (1, 2, 3, 4)        |
| a     | Alphabetically ordered list, lowercase (a, b, c, d) |
| A     | Alphabetically ordered list, uppercase (A, B, C, D) |
| i     | Roman numbers, lowercase (i, ii, iii, iv)           |
| I     | Roman numbers, uppercase (I, II, III, IV)           |





## unordered lists (<ul>):

---

| Value  | Description              |
|--------|--------------------------|
| disc   | Default. A filled circle |
| circle | An unfilled circle       |
| square | A filled square          |

```
<ol>
  <li>Coffee</li>
  <li type="a">Tea</li>
  <li>Milk</li>
</ol>
<ul>
  <li>Coffee</li>
  <li type="square">Tea</li>
  <li>Milk</li>
</ul>
```

<p>The type attribute is not supported in HTML5. Use CSS instead.</p>



## definition lists

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- ▶ The `<dl>` tag defines a definition list.
- ▶ The `<dl>` tag is used in conjunction with `<dt>` (defines the item in the list) and `<dd>` (describes the item in the list).

```
<dl>
<dt>Coffee</dt>
<dd>- black hot drink</dd>
<dt>Milk</dt>
<dd>- white cold drink</dd>
</dl>
```

```
Coffee
  - black hot drink
Milk
  - white cold drink
```