

HTML Tables

- HTML tables allow web developers to arrange data into rows and columns.

Company	Contact	Country
Alfreds Futterkiste	Maria Anders	Germany
Centro comercial Moctezuma	Francisco Chang	Mexico
Ernst Handel	Roland Mendel	Austria
Island Trading	Helen Bennett	UK
Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy

Define an HTML Table

- The <table> tag defines an HTML table.
- Each table row is defined with a <tr> tag. Each table header is defined with a <th> tag. Each table data/cell is defined with a <td> tag.
- By default, the text in <th> elements are bold and centered.
- By default, the text in <td> elements are regular and left-aligned.

```
<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
</table>
```

HTML Table - Add a Border

- To add a border to a table, use the CSS border property:

```
table, th, td {  
  border: 1px solid black;  
}
```

HTML Table - Collapsed Borders

- To let the borders collapse into one border, add the CSS **border-collapse** property:

```
table, th, td {  
  border: 1px solid black;  
  border-collapse: collapse;  
}
```

HTML Table - Add Cell Padding

- Cell padding specifies the space between the cell content and its borders.
- If you do not specify a padding, the table cells will be displayed without padding.
- To set the padding, use the CSS padding property:

```
th, td {  
  padding: 15px;  
}
```

HTML Table - Left-align Headings

- By default, table headings are bold and centered.
- To left-align the table headings, use the CSS text-align property:

```
th {  
    text-align: left;  
}
```

HTML Table - Add Border Spacing

- Border spacing specifies the space between the cells.
- To set the border spacing for a table, use the CSS border-spacing property:

```
table {  
  border-spacing: 5px;  
}
```


HTML Table - Cell that Span Many Columns

- To make a cell span more than one column, use the **colspan** attribute:

```
<table style="width:100%">
  <tr>
    <th>Name</th>
    <th colspan="2">Telephone</th>
  </tr>
  <tr>
    <td>Bill Gates</td>
    <td>55577854</td>
    <td>55577855</td>
  </tr>
</table>
```

HTML Table - Cell that Span Many Rows

- To make a cell span more than one row, use the **rowspan** attribute:

```
<table style="width:100%">
  <tr>
    <th>Name:</th>
    <td>Bill Gates</td>
  </tr>
  <tr>
    <th rowspan="2">Telephone:</th>
    <td>55577854</td>
  </tr>
  <tr>
    <td>55577855</td>
  </tr>
</table>
```

HTML Table - Add a Caption

- To add a caption to a table, use the **<caption>** tag:

```
<table style="width:100%">
  <caption>Monthly savings</caption>
  <tr>
    <th>Month</th>
    <th>Savings</th>
  </tr>
  <tr>
    <td>January</td>
    <td>$100</td>
  </tr>
  <tr>
    <td>February</td>
    <td>$50</td>
  </tr>
</table>
```

A Special Style for One Table

- To define a special style for one particular table, add an id attribute to the table:

```
<!DOCTYPE html>
<html>
<head>
<style>
table, th, td {
  border: 1px solid black;
  border-collapse: collapse;
}
th, td {
  padding: 15px;
  text-align: left;
}
#t01 {
  width: 100%;
  background-color: #f1f1c1;
}
</style>
</head>
<body>
```

```
<table id="t01">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>
```

HTML Lists

- HTML lists allow web developers to group a set of related items in lists.

An unordered HTML list:

- Item
- Item
- Item
- Item

An ordered HTML list:

1. First item
2. Second item
3. Third item
4. Fourth item

Unordered HTML List

- An unordered list starts with the `` tag. Each list item starts with the `` tag.
- The list items will be marked with bullets (small black circles) by default:

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

Ordered HTML List

- An ordered list starts with the `` tag. Each list item starts with the `` tag.
- The list items will be marked with numbers by default:

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


HTML Description Lists

- HTML also supports description lists.
- A description list is a list of terms, with a description of each term.
- The **<dl>** tag defines the description list, the **<dt>** tag defines the term (name), and the **<dd>** tag describes each term:

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

A Description List

Coffee
- black hot drink
Milk
- white cold drink

Unordered HTML List - Choose List Item Marker

- The CSS list-style-type property is used to define the style of the list item marker. It can have one of the following values:

```
<ul style="list-style-type:circle;">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```

```
<ul style="list-style-type:disc;">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ul>
```

Unordered List with Square Bullets

- Coffee
- Tea
- Milk

Value	Description
disc	Sets the list item marker to a bullet (default)
circle	Sets the list item marker to a circle
square	Sets the list item marker to a square
none	The list items will not be marked

Ordered HTML List - The Type Attribute

- The type attribute of the tag, defines the type of the list item marker:

```
<ol type="1">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

```
<ol type="A">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

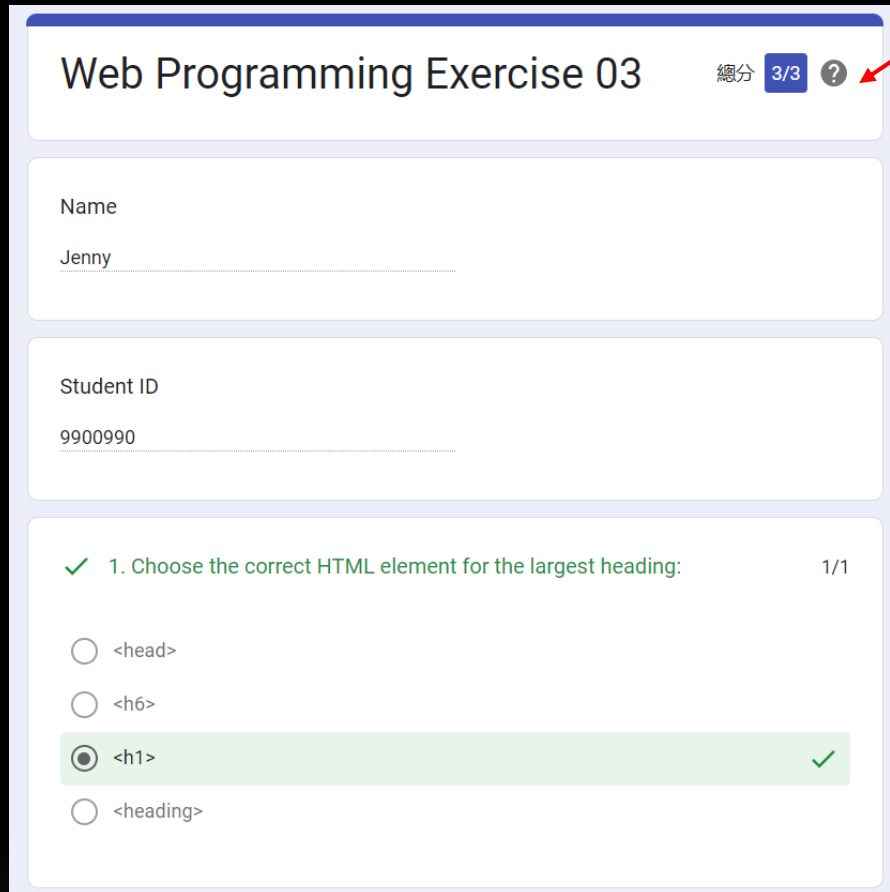
Control List Counting

- By default, an ordered list will start counting from 1. If you want to start counting from a specified number, you can use the **start** attribute:

```
<ol start="50">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

Exercise 06

- <https://reurl.cc/V1xdQb>



Web Programming Exercise 03 總分 3/3 ?

Name
Jenny

Student ID
9900990

✓ 1. Choose the correct HTML element for the largest heading: 1/1

☐ <head>

☐ <h6>

☒ <h1> ✓

☐ <heading>

Just show that you are all correct!

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