

UI BASICS

DATA - TABLE

## 1. Introduction to HTML Table

- `<table>`
- `<tr>`
- `<th>`
- `<td>`

## 2. Optional HTML Table Elements

- `<caption>`
- `<thead>`
- `<tbody>`
- `<tfoot>`

## 3. HTML Table Attributes

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- `rowspan`

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- `height`
- `border`
- `align`
- `bgcolor`
- `cellpadding`
- `cellspacing`

## 5. HTML Table Elements for Styling

- `colgroup`
- `col`
- `scope`

Summary of Selected Financial Data

| For the year   | 2010         | 2009         | 2008         |
|--|--------------|--------------|--------------|
| (Dollars in thousands, except per share amounts)       |              |              |              |
| As reported  |              |              |              |
| Revenue  | \$ 5,425,254 | \$ 5,569,171 | \$ 6,262,305 |
| Income from continuing operations                      | \$ 310,483   | \$ 431,554   | \$ 447,493   |
| Diluted earnings per share from continuing operations  | \$ 1.50      | \$ 2.08      | \$ 2.13      |
| Net cash provided by operating activities              | \$ 952,111   | \$ 824,068   | \$ 1,009,415 |
| Depreciation and amortization                          | \$ 303,653   | \$ 338,895   | \$ 379,117   |
| Capital expenditures                                   | \$ 119,768   | \$ 166,728   | \$ 237,308   |
| Cash dividends per share of common stock               | \$ 1.46      | \$ 1.44      | \$ 1.40      |
| Average common and potential common shares outstanding | 206,752,872  | 207,322,440  | 209,699,471  |
| Total assets   | \$ 8,444,023 | \$ 8,571,039 | \$ 8,810,236 |
| Total debt   | \$ 4,292,742 | \$ 4,439,662 | \$ 4,705,366 |
| Stockholders' deficit                                  | \$ (96,581)  | \$ (3,152)   | \$ (303,594) |
| Total employees  | 30,661       | 33,004       | 35,140       |
| As adjusted  |              |              |              |
| EBIT   | \$ 918,175   | \$ 950,278   | \$ 1,136,085 |
| Income from continuing operations                      | \$ 460,884   | \$ 473,399   | \$ 583,233   |
| Diluted earnings per share from continuing operations  | \$ 2.23      | \$ 2.28      | \$ 2.78      |
| Free cash flow   | \$ 962,307   | \$ 889,094   | \$ 908,739   |
| EBIT to interest                                       | 4.6          | 4.7          | 5.2          |

Financial Data

Nutrition Facts

Serving Size 1 ounce    Servings in bag 4

Amount Per Serving

Calories 155    Calories from Fat 93

% Daily Value\*

Total Fat 11g    16%

Saturated Fat 3g    15%

Trans Fat

Cholesterol 0mg    0%

Sodium 148mg    6%

Total Carbohydrate 14g    5%

Dietary Fiber 1g    5%

Sugars 1g

Protein 2g

Vitamin A 0%    • Vitamin C 9%

Calcium 1%    • Iron 3%

\* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

Nutrition Facts

| MAY 2020                          |                                   |                                   |     |     |     |     |
|-----------------------------------|-----------------------------------|-----------------------------------|-----|-----|-----|-----|
| SUN                               | MON                               | TUE                               | WED | THU | FRI | SAT |
|                                   |                                   |                                   |     |     | 1   | 2   |
| 3                                 | 4                                 | 5<br><small>Cinco de Mayo</small> | 6   | 7   | 8   | 9   |
| 10<br><small>Mother's Day</small> | 11                                | 12                                | 13  | 14  | 15  | 16  |
| 17                                | 18                                | 19                                | 20  | 21  | 22  | 23  |
| 24                                | 25<br><small>Memorial Day</small> | 26                                | 27  | 28  | 29  | 30  |
| 31                                |                                   |                                   |     |     |     |     |

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Calendars

S

Small

49

€/month

5.000

credits/month

M

Medium

149

€/month

25.000

credits/month

L

Large

499

€/month

100.000

credits/month

XL

Xtra-Large

999

€/month

250.000

credits/month

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feature comparison, information panels, and many other tabular data...

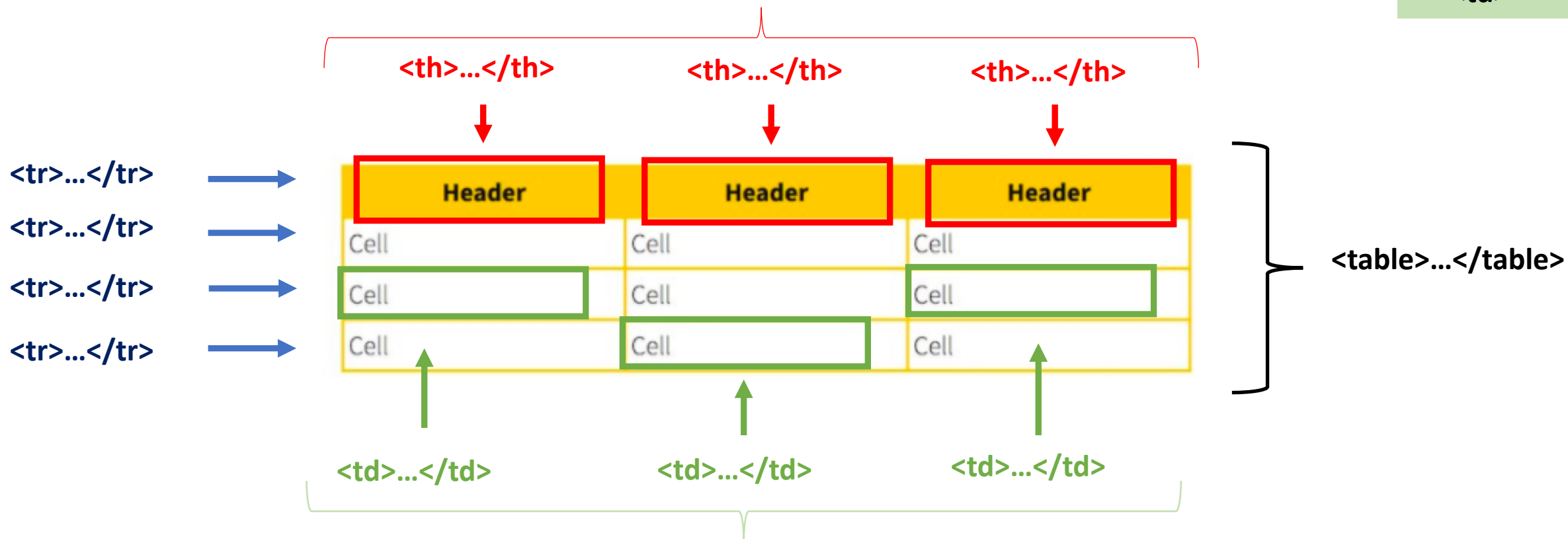
HTML tables allow web developers to arrange **tabular data into rows and columns**.

| Person | Age |
|--------|-----|
| Chris  | 38  |
| Dennis | 45  |
| Sarah  | 29  |
| Karen  | 47  |

## Basic Table Elements

- `<table>`
- `<tr>`
- `<th>`
- `<td>`

By default, the text in `<th>` elements are **bold** and **centered**.



By default, the text in `<td>` elements are **regular** and **left-aligned**

**NOTE :** They can contain all sorts of HTML elements; *text, images, lists, other tables, etc.*

Basic Table Elements

- `<table>`
- `<tr>`
- `<th>`
- `<td>`

```
<table>
  <tr>
    <th>Header</th>
    <th>Header</th>
    <th>Header</th>
  </tr>
  <tr>
    <td>Cell</td>
    <td>Cell</td>
    <td>Cell</td>
  </tr>
  <tr>
    <td>Cell</td>
    <td>Cell</td>
    <td>Cell</td>
  </tr>
  <tr>
    <td>Cell</td>
    <td>Cell</td>
    <td>Cell</td>
  </tr>
</table>
```

| Header | Header | Header |
|--------|--------|--------|
| Cell   | Cell   | Cell   |
| Cell   | Cell   | Cell   |
| Cell   | Cell   | Cell   |

# HTML - TABLE

## Basic Table Elements

```
<table>
  <tr>
    <th>row-1 header cell-1</th>
    <th>row-2 header cell-2</th>
    <th>row-3 header cell-3</th>
  </tr>
  <tr>
    <td>row-2 data cell-1</td>
    <td>row-2 data cell-2</td>
    <td>row-2 data cell-3</td>
  </tr>
  <tr>
    <td>row-3 data cell-1</td>
    <td>row-3 data cell-2</td>
    <td>row-3 data cell-3</td>
  </tr>
  <tr>
    <td>row-4 data cell-1</td>
    <td>row-4 data cell-2</td>
    <td>row-4 data cell-3</td>
  </tr>
</table>
```

```
table {
  width: 600px;
  border-spacing: 15px; /* the space between the cells. */
                        /* Note: If the table has collapsed borders,
                        border-spacing has no effect. */
}
table, th, td {
  border: 1px solid black;
  /* border-collapse: collapse; */
}
th, td {
  padding: 10px;
}
th {
  text-align: left;
}
td {
  text-align: right;
}
```

- `<table>`
- `<tr>`
- `<th>`
- `<td>`

- `border`
- `border-collapse`
- `border-spacing`

|                     |                     |                     |
|---------------------|---------------------|---------------------|
| row-1 header cell-1 | row-2 header cell-2 | row-3 header cell-3 |
| row-2 data cell-1   | row-2 data cell-2   | row-2 data cell-3   |
| row-3 data cell-1   | row-3 data cell-2   | row-3 data cell-3   |
| row-4 data cell-1   | row-4 data cell-2   | row-4 data cell-3   |

**NOTE :** If the table has **collapsed borders**, **border-spacing** has no effect.



HTML - TABLE

Basic Table Elements

- `<table>`
- `<tr>`
- `<th>`
- `<td>`

- `border`
- `border-collapse`
- `border-spacing`

| FirstName | LastName | Age | Telephone     | Adress                                  |
|-----------|----------|-----|---------------|---|
| Jill      | Smith    | 50  | +49 55577543  | Lorem ipsum dolor sit amet.             |
| Eve       | Doe      | 25  | +49 555775456 | Lorem ipsum dolor sit amet consectetur. |
| John      | Doe      | 30  | +49 555775434 | Lorem ipsum dolor sit.                  |

|           | 1                      | 2                      | 3                      | 4                      |
|-----------|------------------------|------------------------|------------------------|------------------------|
| FirstName | Jill                   | Eve                    | John                   | Mike                   |
| LastName  | Smith                  | Doe                    | Stone                  | Cage                   |
| Age       | 50                     | 25                     | 30                     | 15                     |
| Telephone | +49 777888999          | +49 555666777          | +49 111222333          | +49 444555666          |
| Adress    | Lorem ipsum dolor sit. | Lorem ipsum dolor sit. | Lorem ipsum dolor sit. | Lorem ipsum dolor sit. |

# HTML - TABLE

## Optional Table Elements

<table>

```
<caption> .... </caption>
```

```
<thead>  
  <tr> .... </tr>  
</thead>
```

```
<tbody>  
  <tr> .... </tr>  
</tbody>
```

```
<tfoot>  
  <tr> .... </tr>  
</tfoot>
```

<table>

Countries, Capital and Language

| Country                               | Capital    | Language |
|---------------------------------------|------------|----------|
| India                                 | New Delhi  | Hindi    |
| France                                | Paris      | French   |
| New Zealand                           | Wellington | English  |
| Copyright © 2018 Example Organization |            |          |

- <caption>
- <thead>
- <tbody>
- <tfoot>

**NOTE :** <thead> , <tbody> and <tfoot> are OPTIONAL, should have at least one <tr>...</tr>

**NOTE :** The <caption> tag must be inserted **immediately after the <table> tag.**

# HTML - TABLE

## Optional Table Elements

- `<caption>`
- `<thead>`
- `<tbody>`
- `<tfoot>`

Countries, Capital and Language

| Country                               | Capital    | Language |
|---------------------------------------|------------|----------|
| India                                 | New Delhi  | Hindi    |
| France                                | Paris      | French   |
| New Zealand                           | Wellington | English  |
| Copyright © 2018 Example Organization |            |          |

```
<table>
  <caption>Countries, Capital and Language</caption>
  <thead>
    <tr>
      <th>Country</th>
      <th>Capital</th>
      <th>Language</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>India</td>
      <td>New Delhi</td>
      <td>Hindi</td>
    </tr>
    <tr>
      <td>France</td>
      <td>Paris</td>
      <td>French</td>
    </tr>
    <tr>
      <td>New Zealand</td>
      <td>Wellington</td>
      <td>English</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td colspan="3">Copyright &copy; 2018 Example Organization</td>
    </tr>
  </tfoot>
</table>
```

Optional Table Elements

- <caption>
- <thead>
- <tbody>
- <tfoot>

| Name List                   |          |     |               |   |
|-----------------------------|----------|-----|---------------|---|
| FirstName                   | LastName | Age | Telephone     | Adress                                  |
| Jill                        | Smith    | 50  | +49 55577543  | Lorem ipsum dolor sit amet.             |
| Eve                         | Doe      | 25  | +49 555775456 | Lorem ipsum dolor sit amet consectetur. |
| John                        | Doe      | 30  | +49 555775434 | Lorem ipsum dolor sit.                  |
| Lorem ipsum dolor sit amet. |          |     |               |   |

Table Attributes

- colspan
- rowspan

- 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**.

colspan ?  
rowspan ?

| Name List                   |          |     |               |           |           |
|-----------------------------|----------|-----|---------------|-----------|-----------|
| FirstName                   | LastName | Age | Telephone     | Adress-1  | Adress-2  |
| Jill                        | Smith    | 50  | +49 55577543  | Address-1 | Address-2 |
|                             |          |     | +49 43218769  |           |           |
| Eve                         | Doe      | 25  | +49 555775456 | Address   |           |
| John                        | Doe      | 30  | +49 555775434 | Adress    |           |
| Mike                        | Smith    | 53  | +49 55577543  | Address   |           |
|                             |          |     | +49 43218769  |           |           |
| Lorem ipsum dolor sit amet. |          |     |               |           |           |

Table Attributes

- colspan
- rowspan

rowspan="2"



rowspan="2"



rowspan="6"



| Name List                   |          |     |               |           |           |
|-----------------------------|----------|-----|---------------|-----------|-----------|
| FirstName                   | LastName | Age | Telephone     | Adress 1  | Adress-2  |
| Jill                        | Smith    | 50  | +49 55577543  | Address-1 | Address-2 |
|                             |          |     | +49 43218769  |           |           |
| Eve                         | Doe      | 25  | +49 555775456 | Address   |           |
| John                        | Doe      | 30  | +49 555775434 | Adress    |           |
| Mike                        | Smith    | 53  | +49 55577543  | Address   |           |
|                             |          |     | +49 43218769  |           |           |
| Lorem ipsum dolor sit amet. |          |     |               |           |           |

colspan="2"



Other Table Attributes

| TABLE TAG | ATTRIBUTE   | CSS   |
|-----------|---|---|
| <table>   | <table align = "right" > ... </table><br><table align = "left" > ... </table><br><table align = "center" > ... </table> | table { margin-left : auto; }<br>table { margin-right : auto; }<br>table { margin: 0 auto; }  |
|           | <table bgcolor = "#a3eee9" > ... </table>   | table { background-color: #a3eee9; }  |
|           | <table border="3" > ... </table>  | table { border: 3px solid black; }  |
|           | <table cellpadding="5" > ... </table>   | table { border-collapse : collapse; }<br>td { padding: 5px; }   |
|           | <table cellspacing="5" > ... </table>   | table { border-spacing: 5px; }<br><br><b>NOTE</b> : border-spacing does not have any effect if <u>border-collapse</u> is set to <u>collapse</u> . |
|           | <table width="500" > ... </table>   | table { width : 500px; }  |
|           | <table height="500" > ... </table>  | table { height : 500px; }   |

HTML Table Elements for Styling

How to style the columns easily?

|       | Batman | Robin        | The Flash   | Kid Flash   |
|-------|--------|--------------|-------------|-------------|
| Skill | Smarts | Dex, acrobat | Super speed | Super speed |

Superheros



## HTML Table Elements for Styling

- `col`
- `colgroup`

```
<table>
  <caption>Superheros</caption>
  <colgroup>
    <col>
      <col span="2" class="purple">
      <col span="2" class="orange">
    </colgroup>
  <tr>
    <th></th>
    <th scope="col">Batman</th>
    <th scope="col">Robin</th>
    <th scope="col">The Flash</th>
    <th scope="col">Kid Flash</th>
  </tr>
  <tr>
    <th scope="row">Skill</th>
    <td>Smarts</td>
    <td>Dex, acrobat</td>
    <td>Super speed</td>
    <td>Super speed</td>
  </tr>
</table>
```

|       | Batman | Robin        | The Flash   | Kid Flash   |
|-------|--------|--------------|-------------|-------------|
| Skill | Smarts | Dex, acrobat | Super speed | Super speed |

Superheros

- 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.
- The **<col>** tag specifies column properties for each column within a **<colgroup>** element.

**NOTE :** The **<colgroup>** tag must be a child of a `<table>` element, after any `<caption>` elements and before any `<thead>`, `<tbody>`, `<tfoot>`, and `<tr>` elements.

## HTML Table Elements for Styling

- col
- colgroup

```
<table>
  <caption>Superheros</caption>
  <colgroup>
    <col>
      <col span="2" class="purple">
      <col span="2" class="orange">
    </colgroup>
  <tr>
    <th></th>
    <th scope="col">Batman</th>
    <th scope="col">Robin</th>
    <th scope="col">The Flash</th>
    <th scope="col">Kid Flash</th>
  </tr>
  <tr>
    <th scope="row">Skill</th>
    <td>Smarts</td>
    <td>Dex, acrobat</td>
    <td>Super speed</td>
    <td>Super speed</td>
  </tr>
</table>
```

|       | Batman | Robin        | The Flash   | Kid Flash   |
|-------|--------|--------------|-------------|-------------|
| Skill | Smarts | Dex, acrobat | Super speed | Super speed |

Superheros

- The **scope** attribute specifies whether a header cell is a header for a column, row.

```
<th scope="col|row">
```

**NOTE :** The scope attribute has no visual effect in ordinary web browsers, but can be used by screen readers.

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- `<th>`
- `<td>`

## 2. Optional HTML Table Elements

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- `<thead>`
- `<tbody>`
- `<tfoot>`

## 3. HTML Table Attributes

- `colspan`
- `rowspan`

## 4. HTML Table Styling Attributes

- `width`
- `height`
- `border`
- `align`
- `bgcolor`
- `cellpadding`
- `cellspacing`

## 5. HTML Table Elements for Styling

- `colgroup`
- `col`
- `scope`