Web Programming

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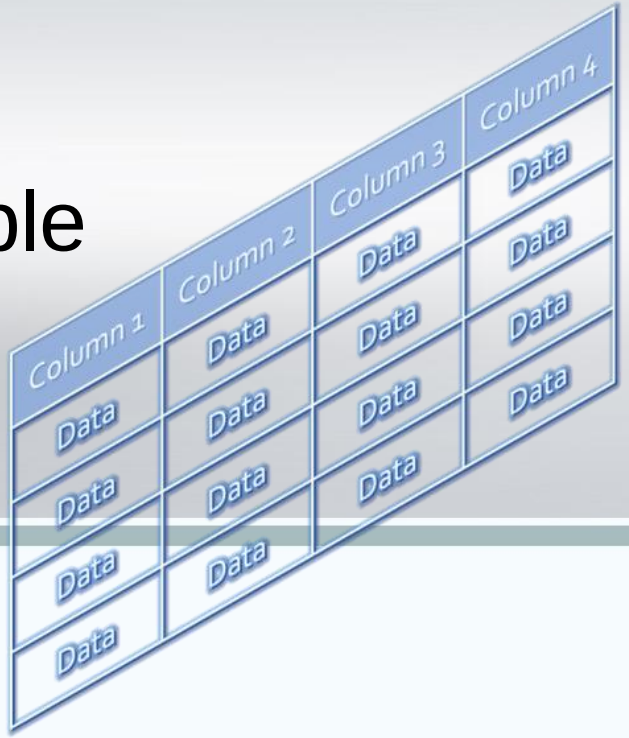
HTML Table



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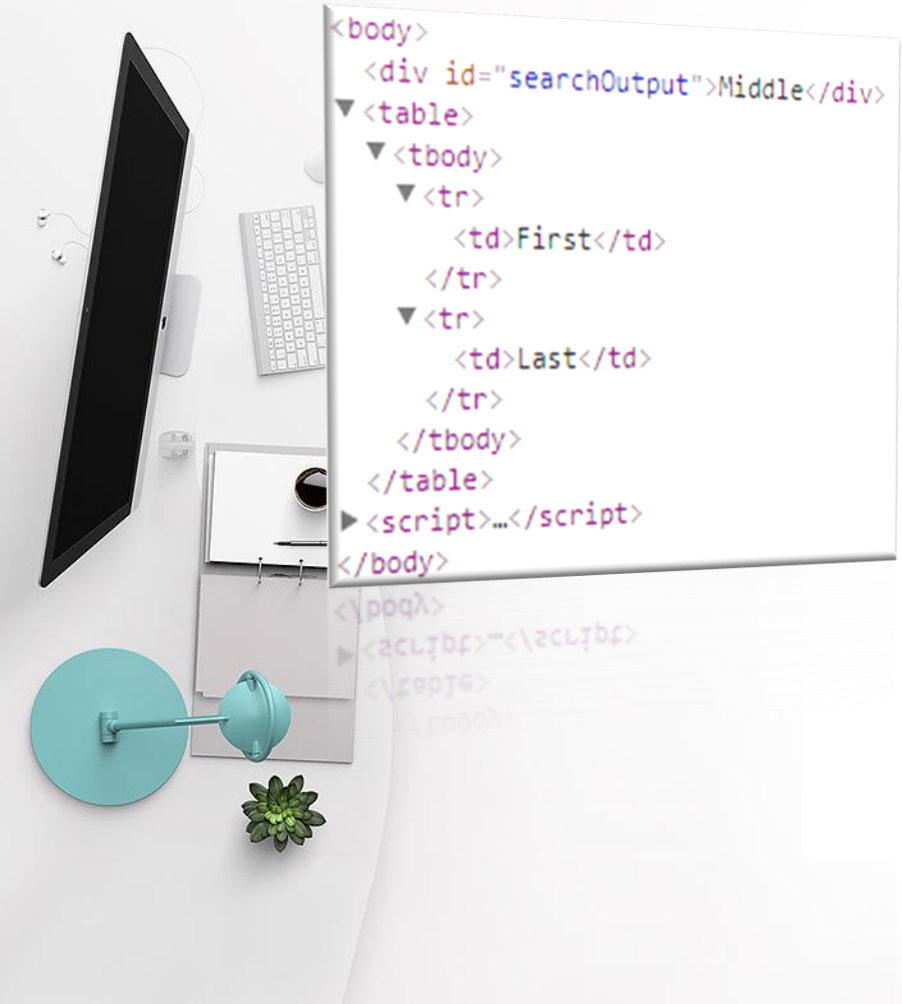


First Name	Last Name	Job Title	Twitter
James	Matman	Chief Sandwich Eater	@james
Andor	Nagy	Designer	@andornagy
Tamas	Biro	Game Tester	@tamas
Zoli	Mastah	Developer	@zoli
Szabi	Nagy	Chief Sandwich Eater	@szabi

1. HTML Table

HTML Table

- Table **represents tabular data**
  - A table consists of one or several rows
  - Each row has one or more columns

- Table is comprised of several **core tags**:
  - **<table></table>**: begin/end table definition
  - **<tr></tr>**: create a table row
  - **<td></td>**: create tabular data (cell)

- Table should not be used for layout

  Use CSS floats or flex and positioning styles instead

Simple HTML Table

Example

```
<table cellspacing="0" cellpadding="5">
    <tr>
        <td><img src="lecture1.jpg"></td>
        <td><a href="lecture1.pptx">Lecture 1</a></td>
    </tr>
    <tr>
        <td><img src="lecture2.jpg"></td>
        <td><a href="lecture2.pptx">Lecture 2</a></td>
    </tr>
</table>
```

Data Cell and Header Cell

- Two kinds of cells in HTML table
  - **Data** cell – **<td></td>** – containing the table data
  - **Header** cell – **<th></th>** – used for the column names or some more important cells
- Why two kinds of cells?

  Used to **semantically** separate the cells

```
<table cellspacing="0" cellpadding="5">
    <tr>
        <th>Full Name</th>
        <th>Mark</th>
    </tr>
    <tr>
        <td>Doncho Minkov</td>
        <td>Very good (5)</td>
    </tr>
</table>
```

Complete HTML Table

Tags, Attributes and Elements

Complete HTML Table

Table rows split into 3 semantic sections: **header**, **body** and **footer**

- **<thead>** denotes table header and contains **<th>** elements, instead of **<td>** elements
- **<tbody>** denotes collection of table rows that contain the very data
- **<tfoot>** denotes table footer but comes **BEFORE** the **<tbody>** tag
- **<colgroup>** and **<col>** define columns (used to set column widths)

Complete HTML Table

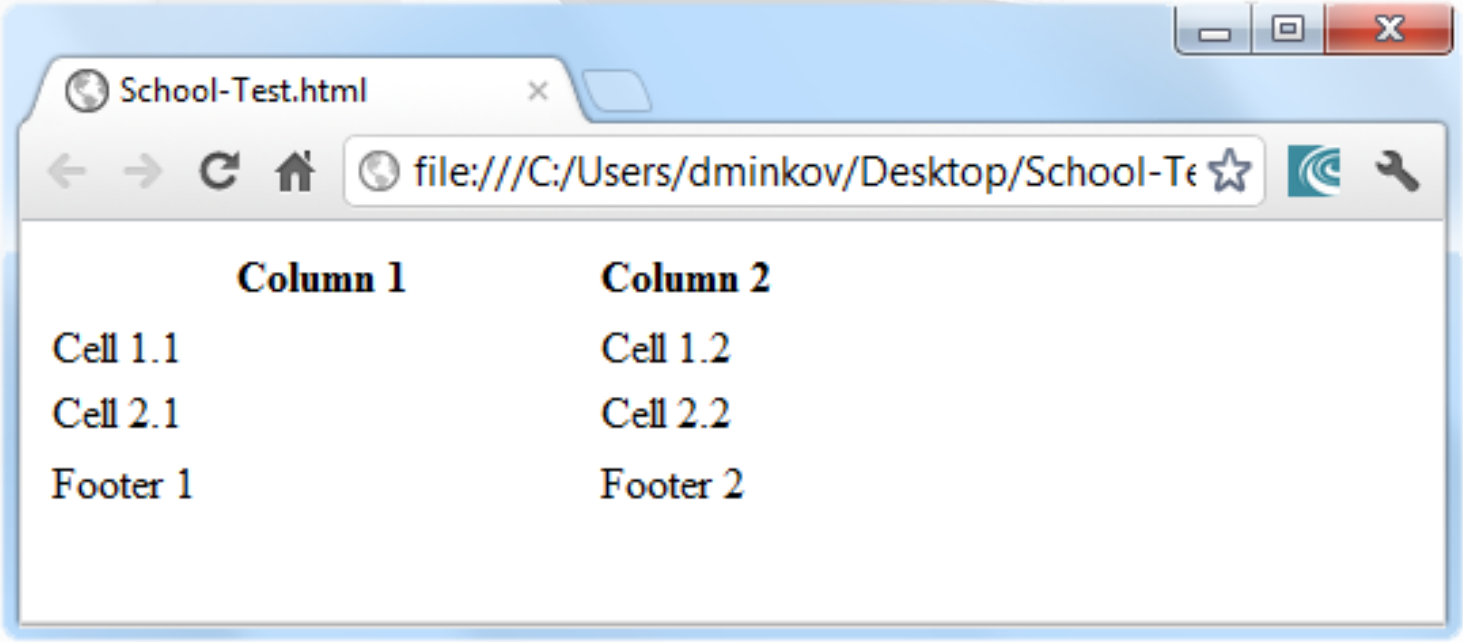
Example

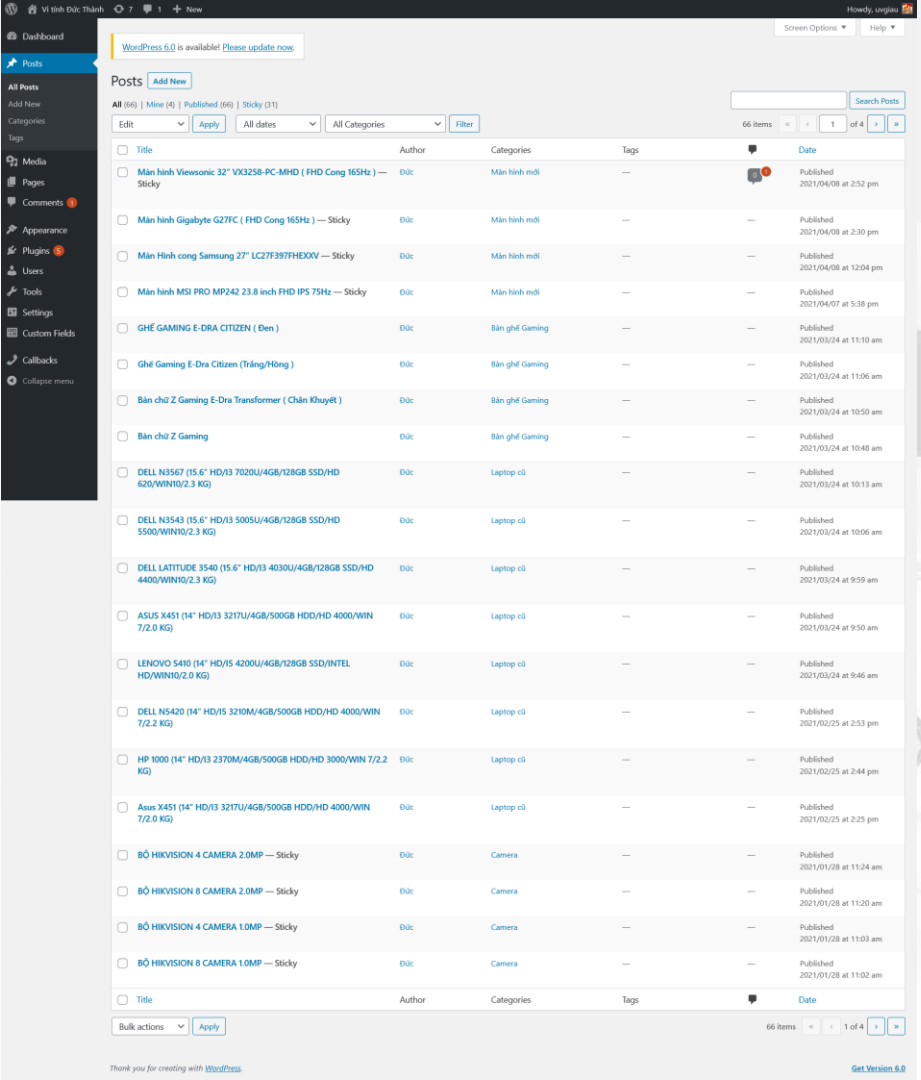
```
<table cellspacing="0" cellpadding="5">
    <colgroup>
        <col style="width: 100px;" />
        <col>
    </colgroup>
    <thead>
        <tr>
            <th>Column 1</th>
            <th>Column 2</th>
        </tr>
    </thead>
    <tfoot>
        <tr>
            <td>Footer 1</td>
            <td>Footer 2</td>
        </tr>
    </tfoot>
    <tbody>
        <tr>
            <td>Cell 1.1</td>
            <td>Cell 1.2</td>
        </tr>
    </tbody>
</table>
```

Complete HTML Table

Example

Although the footer is before the data in the code, it is displayed last





Complete HTML Table

Example

Complete HTML Table

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

- By default, a table caption will be **center-aligned above a table**.
  However, the CSS properties **text-align** and **caption-side** can be used to align and place the caption.

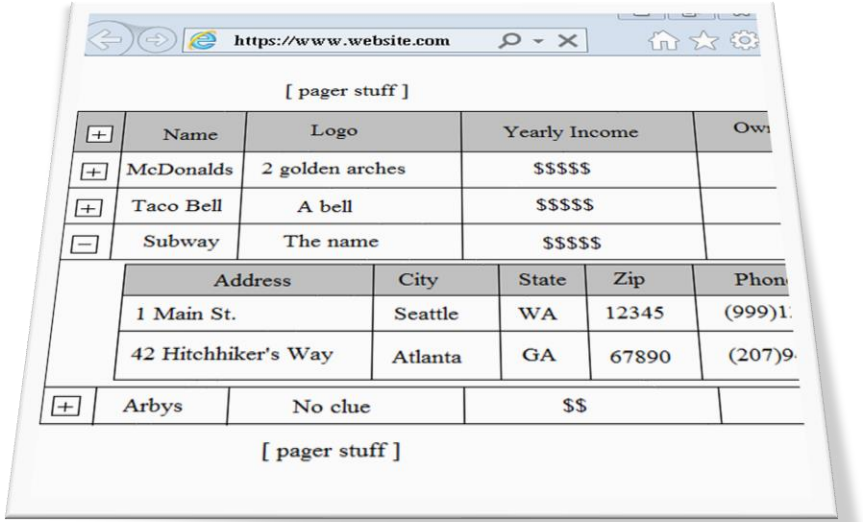
Complete HTML Table

Example

```
<table border="1">
    <caption><b>My savings</b></caption>
    <colgroup>
        <col style="width: 100px;">
        <col style="width: 100px;">
    </colgroup>
    <tr>
        <th>Month</th>
        <th>Savings</th>
    </tr>
    <tr>
        <td>January</td>
        <td>$100</td>
    </tr>
</table>
```

My savings

Month	Savings
January	$100



2. Nested Table

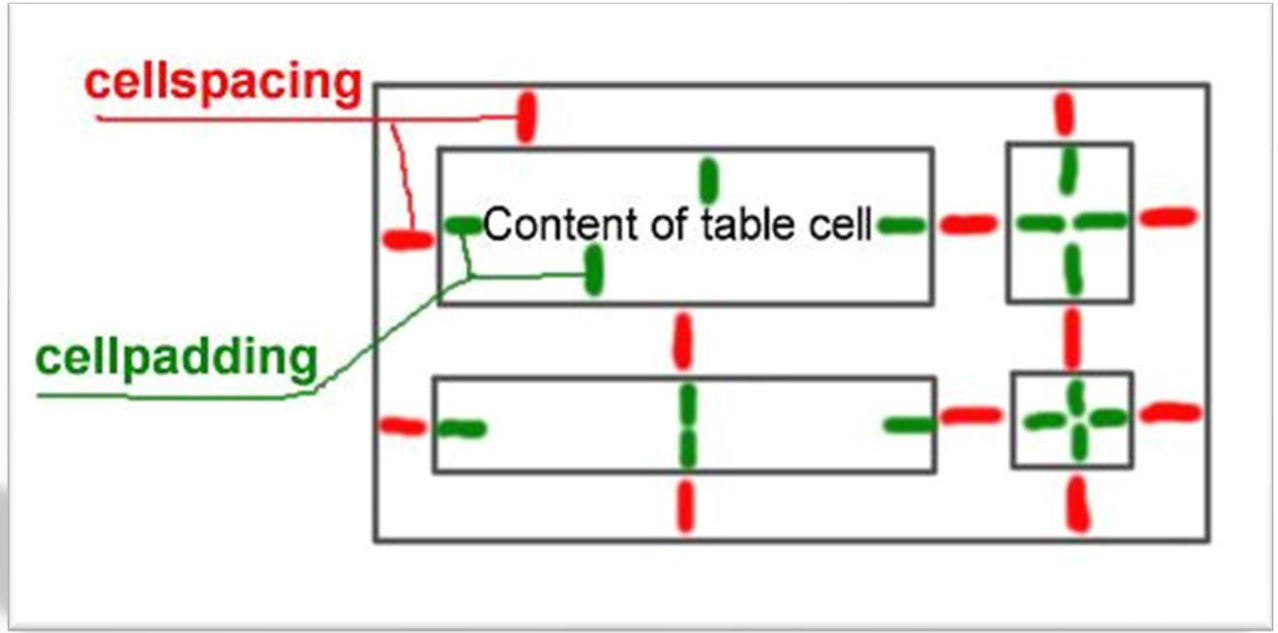
Tables in Tables in Tables in Tables…

Nested Table

Table **cells** (<td>) can contain **nested** tables (tables within tables):

```
<table>
    <tr>
        <td>Contact:</td>

        <td>
            <table>
                <tr>
                    <td>First Name</td>
                    <td>Last Name</td>
                </tr>
            </table>
        </td>
    </tr>
</table>
```

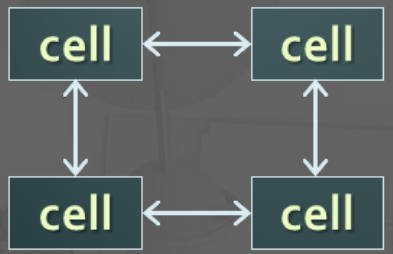


3. Complex Table

With Padding, Spacing and Stuff

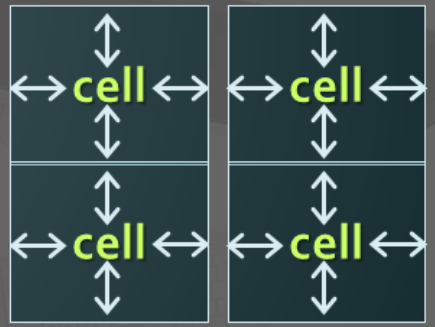
Cell Spacing and Padding

Cell spacing



Defines the empty space between cells

Cell padding

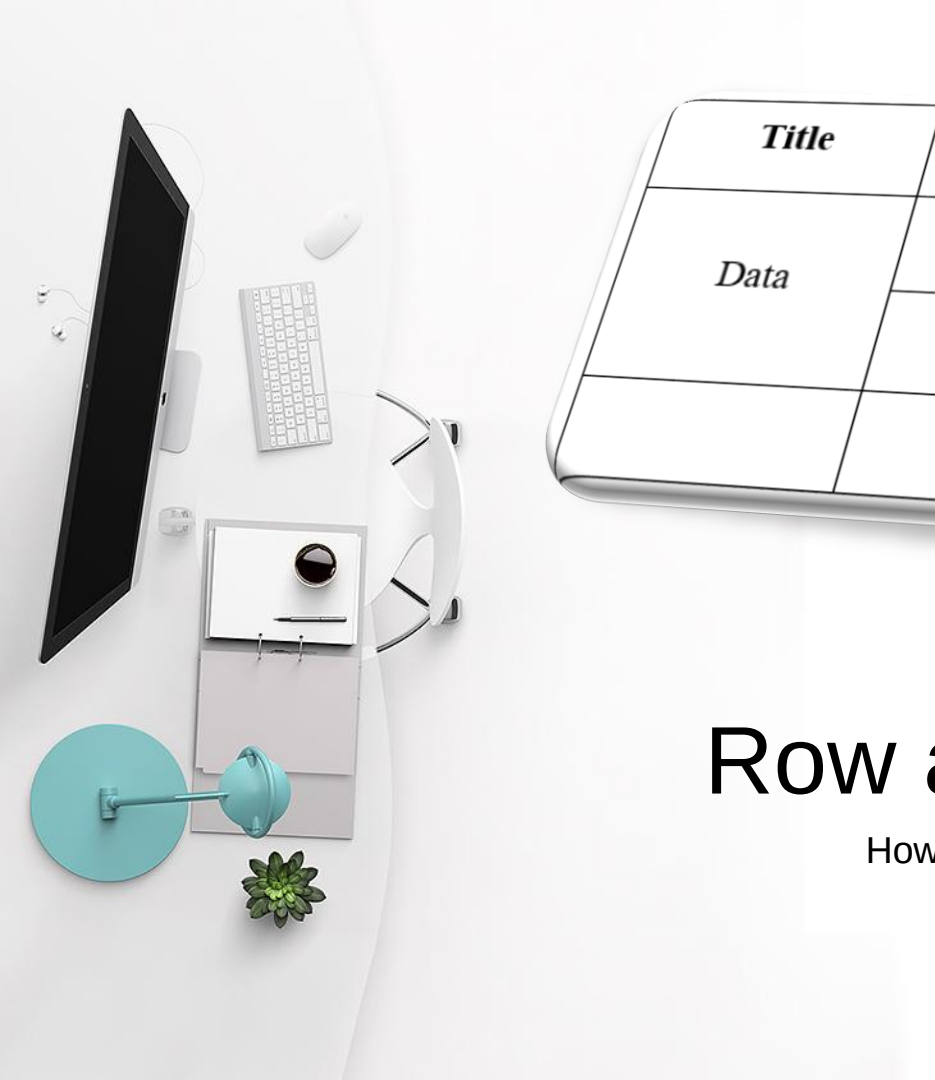


Defines the empty space around the cell content

Cell Spacing and Padding

Example

```
<html>
    <head><title>Table Cells</title></head>
    <body>
        <table cellspacing="15" cellpadding="0">
            <tr>
                <td>First</td>
                <td>Second</td>
            </tr>
        </table>
        <br/>
        <table cellspacing="0" cellpadding="10">
            <tr>
                <td>First</td>
                <td>Second</td>
            </tr>
        </table>
    </body>
</html>
```

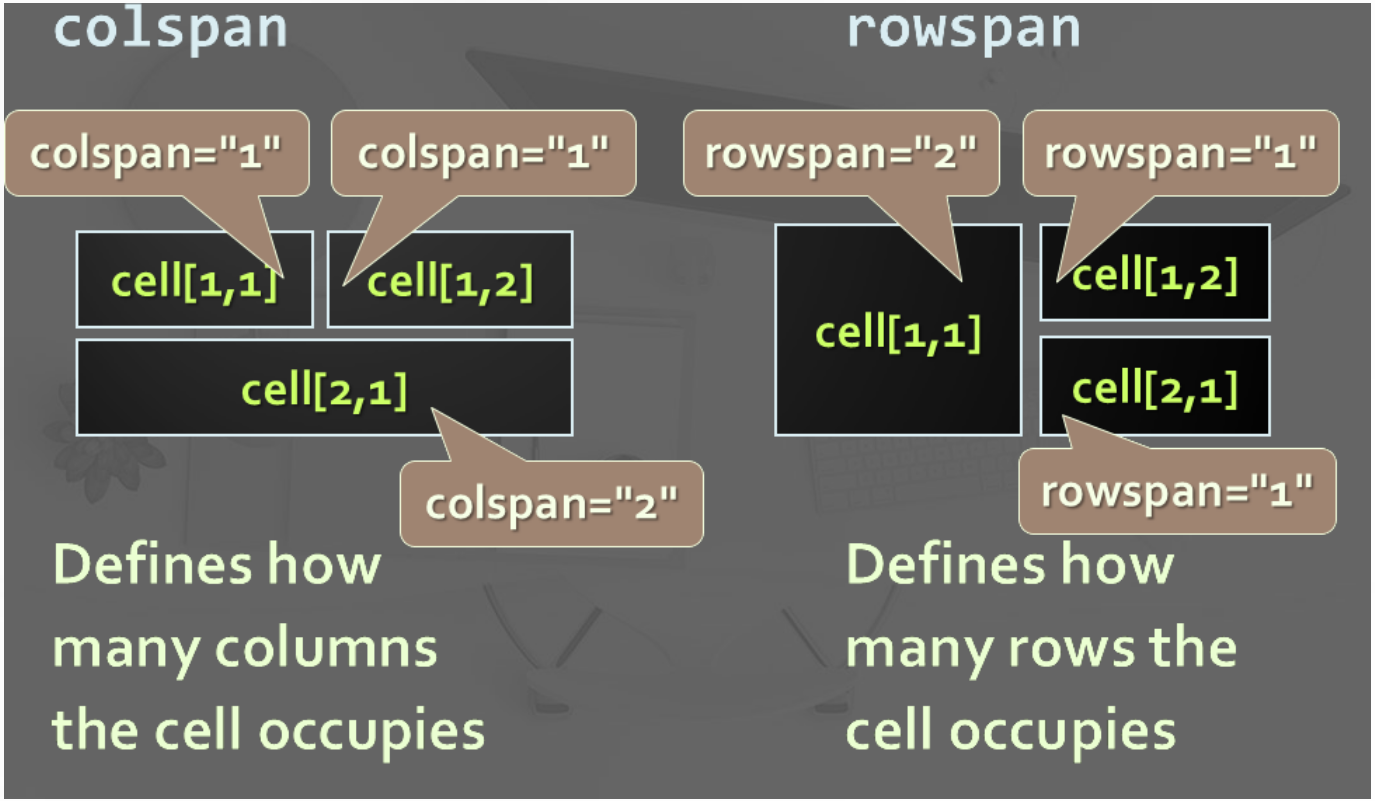


Title	Title	Title
Data		
	Data	

Row and Column Spans

How to Make a Two-Cells Column or Row?

Column and Row Span



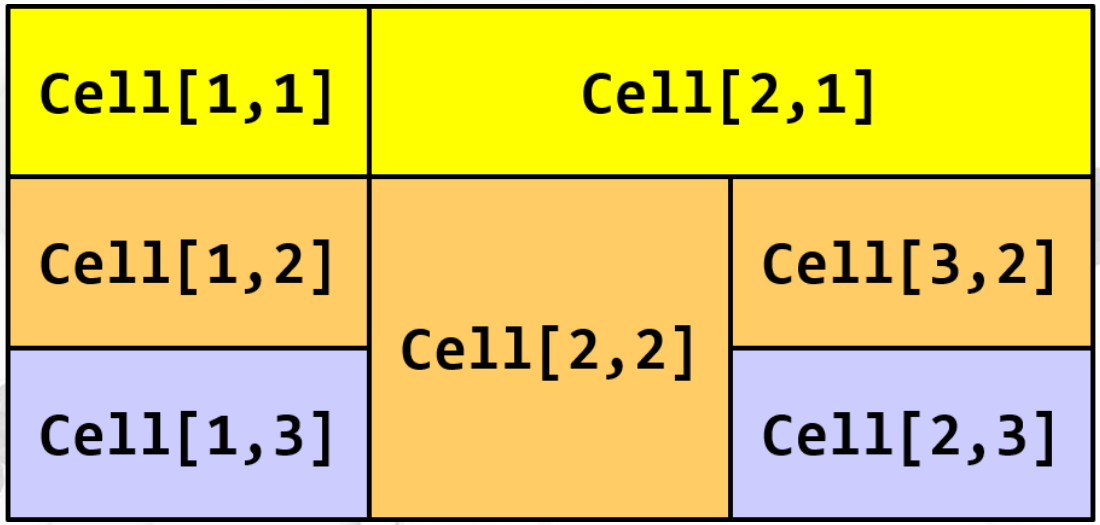
Column and Row Span

Example

```
<table cellpadding="5">
    <tr class="Row1">
        <td>Cell [1, 1]</td>
        <td colspan="2">Cell [2, 1]</td>
    </tr>
    <tr class="Row2">
        <td>Cell [1, 2]</td>
        <td rowspan="2">Cell [2, 2]</td>
        <td>Cell [3, 2]</td>
    </tr>
    <tr class="Row3">
        <td>Cell [1, 2]</td>
        <td>Cell [2, 3]</td>
    </tr>
</table>
```

Column and Row Span

Example



Summary

Exercise

Write the HTML tags for the following table

STT	Ngày Đặt	Khách Hàng	Điện Thoại	Địa Chỉ	Ghi Chú	Tình Trạng
1	2022-03-05 12:44:52	kirito	0394826477	40HV,PC,TDM,BD	Ok	Đã xử lý

Mã đơn hàng: **DCP-20220305124452**

Hủy | Đã xử lý | Chờ kiểm tra kho

THÔNG TIN CHI TIẾT

STT	HÌNH	TÊN SP	LOẠI GIÁ	SỐ LƯỢNG	ĐƠN GIÁ	THÀNH TIỀN
1		XE Ô TÔ BEN ĐIỆN TRẺ EM NEL909		1	0 VNĐ	0 VNĐ
					Tổng cộng	0 VNĐ

2	**2021-12-10 16:24:15**	**Đ**	**0344**	**Xxz**		**Mới**
3	**2021-12-10 09:28:06**	**TRANMANHHOAI**	**0344238347**	**BINH DUONG**		**Đã hủy**
4	2021-12-10 09:28:00	TRANMANHHOAI	0344238347	BINH DUONG		Đã xử lý
5	**2021-12-10 09:18:16**	**TRANMANHHOAI**	**0344238347**	**BINH DUONG**		**Đã hủy**

Q&A