Grade 9
1ˢᵗ Quarter
Lesson 4

TLE ICT DEPT.

TABLES

Merging Cells Horizontally

Cells in the same row can be merged using the colspan attribute of <td></td> and <th></th>.

```html
<html>
<head><title>Tables</title></head>
<body>
<table align="center" border="1" width="600">
<tr>
<td>Row 1 Cell 1</td>
<td colspan="2">Row 1 Cell 2</td>          ➡ Merge cells
</tr>
<tr>
<td>Row 2 Cell 1</td>
<td>Row 2 Cell 2</td>
<td>Row 2 Cell 3</td>
</tr>
</table>
</body>
</html>
```

| Tables | × | + |

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| Row 1 Cell 1 | Row 1 Cell 2 | |
| Row 2 Cell 1 | Row 2 Cell 2 | Row 2 Cell 3 |

Notice how the 2ⁿᵈ cell merged with the 3ʳᵈ cell on the 1ˢᵗ row.

Merged cells

Merging Cells Vertically

Cells in the adjacent row can also be merged using the rowspan attribute of `<td></td>` and `<th></th>`.

```
<html>
<head><title>Tables</title></head>
<body>
<table align="center" border="1" width="600">
<tr>
<td rowspan="2">Row 1 Cell 1</td>
<td colspan="2">Row 1 Cell 2</td>
</tr>
<tr>
<td>Row 2 Cell 2</td>
<td>Row 2 Cell 3</td>
</tr>
</table>
</body>
</html>
```
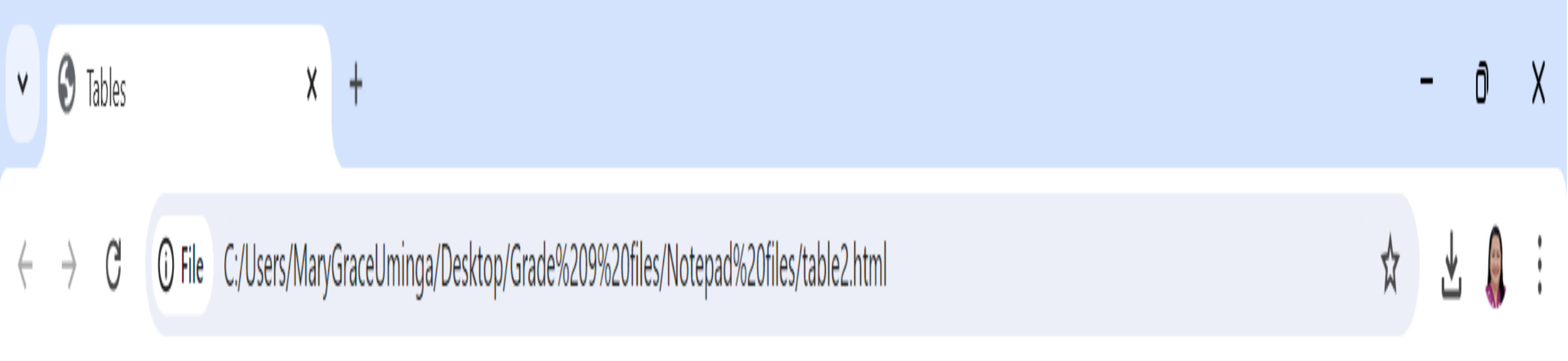
Row 1 Cell 1 | Row 1 Cell 2
Row 2 Cell 2 | Row 2 Cell 3

Merged cells

Notice how the 1ˢᵗ cell from both rows merged with each other and how the 1ˢᵗ tag for the 1ˢᵗ cell on the 2ⁿᵈ row was removed.

Merging Cells Horizontally and Vertically

Merged cells on the same row can also be merged with cells on the adjacent rows by combining the rowspan and colspan attributes.

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table4.html

File Edit View

```html
<html>
<head><title>Tables</title></head>
<body>
<table align="center" border="1" width="600">
<tr>
<td>Row 1 Cell 1</td>
<td colspan="2" rowspan="2">Row 1 Cell 2 </td>
</tr>
<tr>
<td>Row 2 Cell 1</td>
</tr>
<tr>
<td>Row 3 Cell 1</td>
<td>Row 3 Cell 2</td>
<td>Row 3 Cell 3</td>
</tr>
</table>
</body>
</html>
```
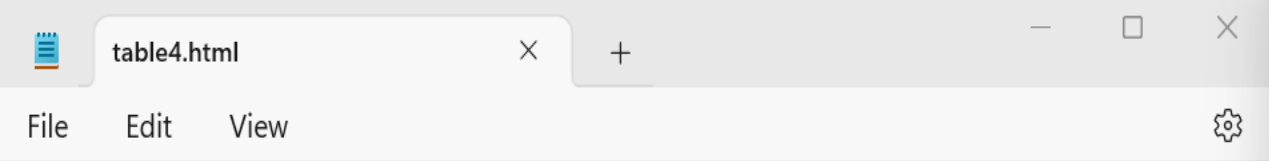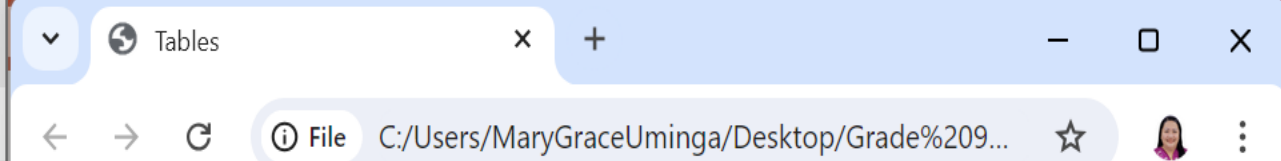
Merge columns and rows

Tables

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Row 1 Cell 1	Row 1 Cell 2	
Row 2 Cell 1		
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Notice how the 2nd and 3rd cells from the 1st and 2nd rows merge with each other.

Tip

Each row or column in a table must have the same number of cells defined. Cells that span across rows or columns count for as many cells as the value of their rowspan or colspan attribute.

Nesting Tables

Just like lists, tables can be nested. Web page developers use this technique to enhance even more the layout and structure.

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```html
<html>
<head><title>Tables</title></head>
<body>
<table border="1" width="100%">
<tr>
<td width="30%" valign="top">
<h3 align="center">LINKS</h3>
<ul>
<li><a href="home.html">Home</a>
<li><a href="directory.html">Directory</a>
```

```html
<li><a href="songs.html">Songs</a>
<li><a href="poems.html">Poems</a>
<li><a href="feedbacks.html">Feedback</a>
</ul>
</td>
<td>
<table align="center" border="3"
bordercolor="red" width="600"
cellpadding="4" cellspacing="6">
<caption><h3>Directory</h3></caption>
```

```html
<tr bgcolor="yellow">
<th>Name</th>
<th>Mobile Number</th>
<th>Landline</th>
</tr>
<tr>
<td align="center"bgcolor="pink">
Michael Vincent</td>
<td>+639171234567</td>
<td>+6322412311</td></tr>
```

```html
<tr>
<td align="center" bgcolor="green">Matthew Francis</td>
<td>+639188901234</td>
<td>+6322411312</td>
</tr>
<tr><td align="center" bgcolor="purple">Agnes Marie</td>
<td>+639195678901</td>
<td>+6322110218</td>
```

```
</tr>
</table>
</td>
</tr>
</table>
</body>
</html>
```

LINKS

- Home
- Directory
- Songs
- Poems
- Feedback

Directory

Name	Mobile Number	Landline>
Michael Vincent	+639171234567	+6322412311
Matthew Francis	+639188901234	+6322411312
Agnes Marie	+639195678901	+6322110218

The outer table contains the links bar on the left side and the main content on the other side.

A bright mind is nothing without a humble heart

The outer table contains the links bar on the left side and the main content on the other side.

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Creating a Table with Invisible Border

You can also try laying out tables without border.

```html
<html>
<head><title>Tables</title></head>
<body>
<table border="0" width="100%">
<tr>
<td width="30%" valign="top">
<h3 align="center">LINKS</h3>
<ul>
<li><a href="home.html">Home</a>
<li><a href="directory.html">Directory</a>
```

```html
<li><a href="songs.html">Songs</a>
<li><a href="poems.html">Poems</a>
<li><a href="feedbacks.html">Feedback</a>
</ul>
</td>
<td>
<table align="center" border="3"
bordercolor="red" width="600"
cellpadding="4" cellspacing="6">
<caption><h3>Directory</h3></caption>
```

```html
<tr bgcolor="yellow">
<th>Name</th>
<th>Mobile Number</th>
<th>Landline</th>
</tr>
<tr>
<td align="center"bgcolor="pink">
Michael Vincent</td>
<td>+639171234567</td>
<td>+63224212311</td></tr>
```

```html
<tr>
<td align="center" bgcolor="green">Matthew Francis</td>
<td>+639188901234</td>
<td>+63224111312</td>
</tr>
<tr><td align="center" bgcolor="purple">Agnes Marie</td>
<td>+639195678901</td>
<td>+63221110218</td>
```

```html
</tr>
</table>
</td>
</tr>
</table>
</body>
</html>
```

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LINKS

Directory

- [Home](#)
- [Directory](#)
- [Songs](#)
- [Poems](#)
- [Feedback](#)

Name	Mobile Number	Landline>
Michael Vincent	+639171234567	+6322412311
Matthew Francis	+639188901234	+6322411312
Agnes Marie	+639195678901	+6322110218

The border of the outer table was removed.

TIP

When creating a table without a border, design the table first with a visible border for you to align and arrange texts. When you have everything in place, you can remove the border by changing the table border to 0.

Adding an Image to a Table

You can add image to a cell by using the tag pair <td><img src="…">

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```
<html>
<head><title>Image</title></head>
<body>
<h2 align="center">IT Learning</h2>
<table align="center" border="1"
bordercolor="black" bgcolor="pink"> </tr>
<tr>
<td align="center" width="200px">BOOKS</td>
<td align="center" width="200px">SOFTWARE</td>
<td align="center"
width="200px">HARDWARE</td>
</tr>
```

```html
<tr>
<td align="center">Creative Design</td>
<td align="center">Adobe</td>
<td align="center">Asus Notebook</td>
</tr>
<tr><td><img src="belgian.jpg" width="200"
height="250"></td>
<td align="center">Microsoft</td>
<td align="center">InFocus projector</td><br>
</tr></table>
</body>
</html
```

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IT Learning

BOOKS	SOFTWARE	HARDWARE
Creative Design	Adobe	Asus Notebook
	Microsoft	InFocus projector