# How to Use Cell Spanning in an HTML Table

Perhaps you have come across cells that stretch across two or more columns or rows in a table. That's called cell spanning.

If you worked in programs like MS office or Excel you have probably used the function by highlighting the cells and clicking the command, and voilà! You have it.

The same features can be applied in an HTML table by using two cell attributes, `colspan` for horizontal spanning and `rowspan` for vertical spanning. The two attributes are assigned numbers greater that zero which shows the number of cells you wish to span.

**An Example with use of `span`**

```
<table>
    <tr>
        <th>Name</th>
        <th>Subject</th>
        <th>Marks</th>
    </tr>
    <tr>
        <td rowspan = "2">Hillary</td>
        <td>Advanced Web</td>
        <td>75</td>
    </tr>
    <tr>
        <td>Operating Syatem</td>
        <td>60</td>
    </tr>
        <tr>
        <td rowspan = "2">Lary</td>
        <td>Advanced Web</td>
        <td>80</td>
    </tr>
    <tr>
        <td>Operating Syatem</td>
        <td>75</td>
    </tr>
    <tr>
        <td colspan="3">Total Average: 72.5</td>
    </tr>
```

</table>

**Output:---**

| NAME | SUBJECT | MARKS |
|------|---------|-------|
| Hillary | Advanced Web | 75 |
| | Operating Syatem | 60 |
| Lary | Advanced Web | 80 |
| | Operating Syatem | 75 |
| | Total Average: 72.5 | |

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# How to Add a Table Header, Body, & Footer in HTML Tables

Just like how a website or any other document has three main sections – the header, body, and footer – so does a table.

In a table they are divided by using attributes namely:

- `<thead>` - provides a separate haeder for the table
- `<tbody>` - conatins main content of the table
- `<tfoot>` - creates a separete footer for the table

**An Example with use of `<thead>`, `<tbody>` & `<tfoot>`**

```
<table>
    <thead>
        <tr>
            <th colspan="2">October</th>
            <th colspan="2">November</th>
        </tr>
    </thead>

    <tbody>
        <tr>
```

```
          <td>Sales</td>
          <td>Profit</td>
          <td>Sales</td>
          <td>Profit</td>
        </tr>
        <tr>
          <td>$200,00</td>
          <td>$50,00</td>
          <td>$300,000</td>
          <td>$70,000</td>
        </tr>
    </tbody>

    <tfoot>
      <tr>
          <th colspan= "4">November was more produstive</th>
      </tr>
    </tfoot>
</table>
```

**Output:--**

| OCTOBER | | NOVEMBER | |
|---|---|---|---|
| Sales | Profit | Sales | Profit |
| $200,00 | $50,00 | $300,000 | $70,000 |
| NOVEMBER WAS MORE PRODUSTIVE | | | |