# HTML Tables

English Language Department

Class Code: 6fbyilf

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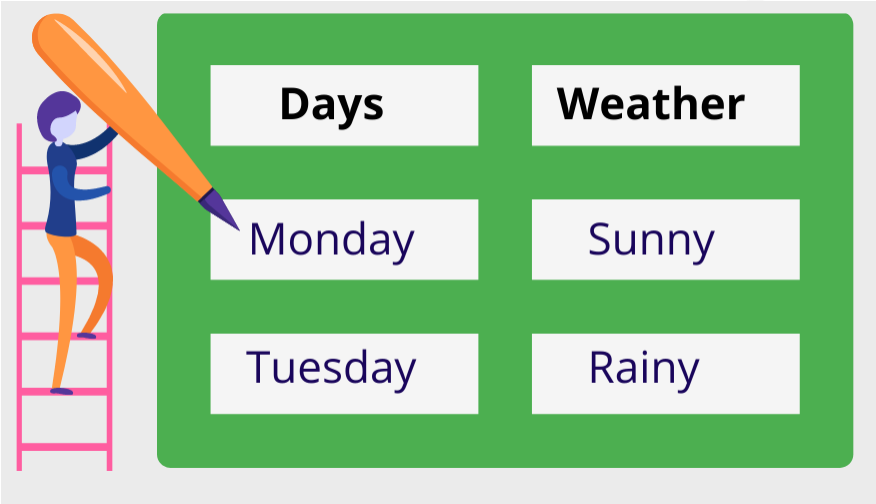


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# Tables

- HTML tables allow web developers to arrange data into rows and columns.
- The HTML tables are created using the **<table>** tag.
- **<th>** tag is used to create table header. Each table row starts with a <th> and end with a </th> tag.
- **<tr>** tag is used to create table rows, Each table row starts with a <tr> and end with a </tr> tag.
- **<td>** tag is used to create data cells. Everything between <td> and </td> are the content of the table cell
- **border** attribute specify the border of the table, we can do more styling in CSS.

| | <td> | <td> | <td> |
|---|---|---|---|
| <tr> | Content | Content | Content |
| <tr> | Content | Content | Content |
| <tr> | Content | Content | Content |

**Structure of table in HTML.**

```
<table border="1">
    <th>
        Name
    </th>
    <tr>
        <td>yusra</td>
    </tr>
    <tr>
        <td>Pasha</td>
    </tr>
</table>
```

| Name |
|---|
| yusra |
| Pasha |

# Padding and Spacing

- HTML tables can adjust the padding inside the cells, and also the space between the cells.

With Padding

| | | |
|---|---|---|
| hello | hello | hello |
| hello | hello | hello |
| hello | hello | hello |

With Spacing

| | | |
|---|---|---|
| hello | hello | hello |
| hello | hello | hello |
| hello | hello | hello |

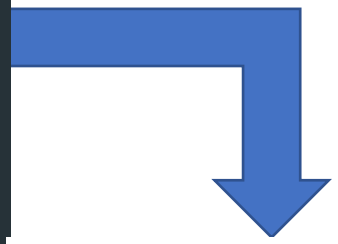
- ***cellspacing***: The cellspacing attribute defines space between table cells
- ***cellspacing***: cellpadding represents the distance between cell borders and the content within a cell.

- We define the cellpadding and cellspacing in the **<table>** opening tag.

```
<table border="1" cellpadding="5" cellspacing="6">
</table>
```

# Example

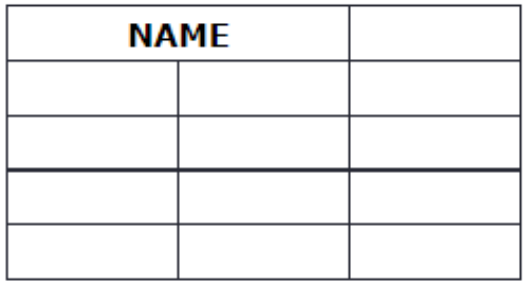
```
<table border="1" cellpadding="5" cellspacing="5">
    <th>Name</th>
    <th>Department</th>
    <tr>
        <td>yusra</td>
        <td>Computer Engineering</td>
    </tr>
    <tr>
        <td>Pasha</td>
        <td>ELT</td>
    </tr>
</table>
```

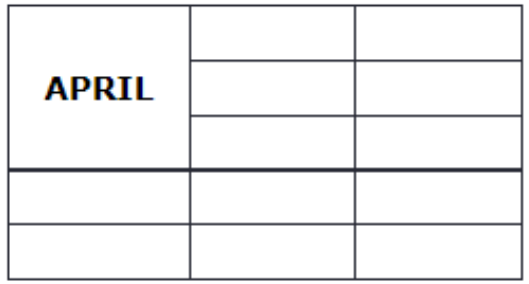


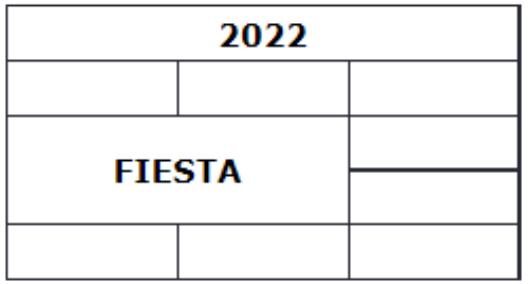
| Name | Department |
| --- | --- |
| yusra | Computer Engineering |
| Pasha | ELT |

# Colspan & Rowspan

- HTML tables can have cells that spans over multiple rows and/or columns.
- 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.



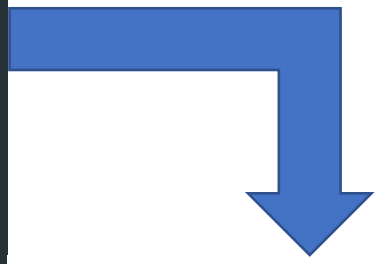



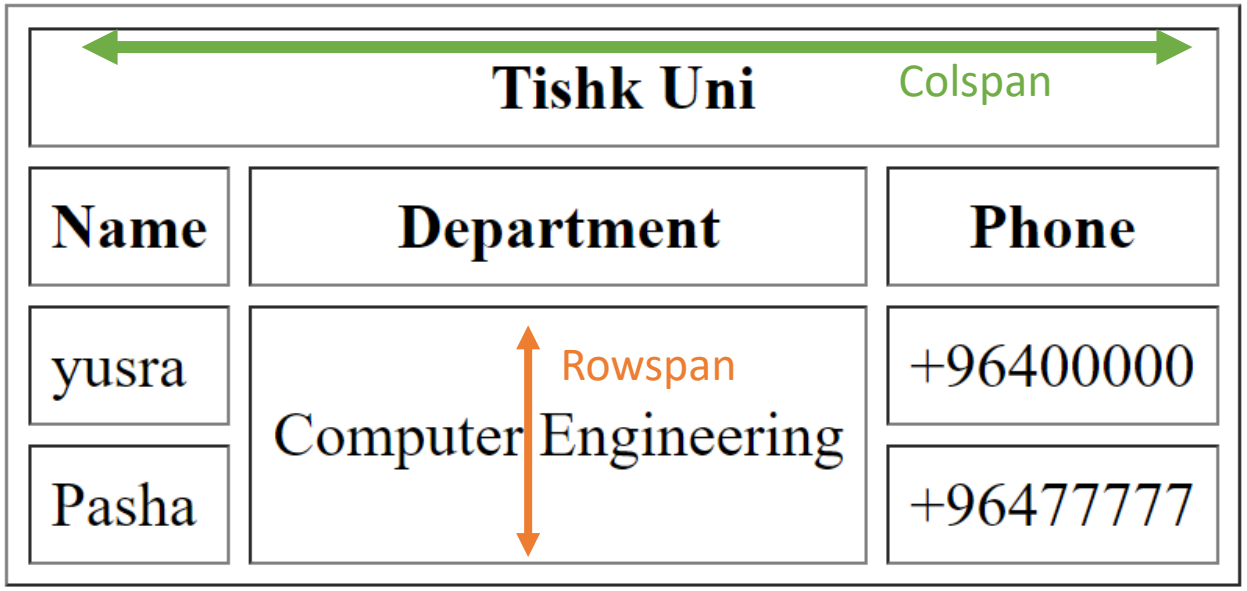

```
<td rowspan="2">Computer Engineering</td>
```

```
<th colspan="3">Tishk Uni</th>
```

# Example

```
<table border="1" cellpadding="5" cellspacing="5">
  <tr>
    <th colspan="3">Tishk Uni</th>
  </tr>
  <tr>
    <th>Name</th>
    <th>Department</th>
    <th>Phone</th>
  </tr>
  <tr>
    <td>yusra</td>
    <td rowspan="2">Computer Engineering</td>
    <td>+96400000</td>
  </tr>
  <tr>
    <td>Pasha</td>
    <td>+96477777</td>
  </tr>
</table>
```





# Tables Background

- You can set table background using one of the following two ways −
  - **bgcolor** attribute − You can set background color for whole table or just for one cell.
  - **background** attribute − You can set background image for whole table or just for one cell.
- You can also set border color also using **bordercolor** attribute.

- You can add the background color and border color in the **<table>** opening tag to give the color to the whole table.
- To give the color to a specific row, column, or cell we put the bgcolor or bordercolor to the particular tag

```
<table border="1"  bgcolor="pink" bordercolor="white">
```

| Tishk Uni | | |
|---|---|---|
| **Name** | **Department** | **Phone** |
| yusra | Computer Engineering | +96400000 |
| Pasha | | +96477777 |

| Name | Department | Phone |
|---|---|---|
| yusra | Computer Engineering | +96400000 |
| Pasha | | +96477777 |

```
<tr bgcolor="red">
  <th>Name</th>
  <th>Department</th>
  <th bgcolor="grey">Phone</th>
</tr>
```

# Example

```
<table border="1" cellpadding="5" cellspacing="5" bgcolor="pink" bordercolor="white">
  <tr>
    <th colspan="3">Tishk Uni</th>
  </tr>
  <tr>
    <th>Name</th>
    <th>Department</th>
    <th>Phone</th>
  </tr>
  <tr>
    <td>yusra</td>
    <td rowspan="2">Computer Engineering</td>
    <td>+96400000</td>
  </tr>
  <tr>
    <td>Pasha</td>
    <td>+96477777</td>
  </tr>
</table>
```

| Tishk Uni | | |
|---|---|---|
| **Name** | **Department** | **Phone** |
| yusra | Computer Engineering | +96400000 |
| Pasha | | +96477777 |

# Color Palette Names

| Red colors | Green colors | Blue/Cyan color | Yellow colors |
|---|---|---|---|
| IndianRed | GreenYellow | Aqua | Gold |
| LightCoral | Chartreuse | Cyan | Yellow |
| Salmon | LawnGreen | LightCyan | LightYellow |
| DarkSalmon | Lime | PaleTurquoise | LemonChiffon |
| LightSalmon | LimeGreen | Aquamarine | LightGoldenrodYellow |
| Red | PaleGreen | Turquoise | PapayaWhip |
| Crimson | LightGreen | MediumTurquoise | Moccasin |
| FireBrick | MediumSpringGreen | DarkTurquoise | PeachPuff |
| DarkRed | SpringGreen | CadetBlue | PaleGoldenrod |
| **Pink colors** | MediumSeaGreen | SteelBlue | Khaki |
| Pink | SeaGreen | LightSteelBlue | DarkKhaki |
| LightPink | ForestGreen | PowderBlue | **Purple colors** |
| HotPink | Green | LightBlue | Lavender |
| DeepPink | DarkGreen | SkyBlue | Thistle |
| MediumVioletRed | YellowGreen | LightSkyBlue | Plum |
| PaleVioletRed | OliveDrab | DeepSkyBlue | Violet |
| **Orange colors** | Olive | DodgerBlue | Orchid |
| LightSalmon | DarkOliveGreen | CornflowerBlue | Fuchsia |
| Coral | MediumAquamarine | RoyalBlue | Magenta |
| Tomato | DarkSeaGreen | Blue | MediumOrchid |
| OrangeRed | LightSeaGreen | MediumBlue | MediumPurple |
| DarkOrange | DarkCyan | DarkBlue | BlueViolet |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| AliceBlue | #FFF0F8FF | GhostWhite | #FFF8F8FF | NavajoWhite | #FFFFDEAD |
| AntiqueWhite | #FFFAEBD7 | Gold | #FFFFD700 | Navy | #FF000080 |
| Aqua | #FF00FFFF | Goldenrod | #FFDAA520 | OldLace | #FFFDF5E6 |
| Aquamarine | #FF7FFFD4 | Gray | #FF808080 | Olive | #FF808000 |
| Azure | #FFF0FFFF | Green | #FF008000 | OliveDrab | #FF6B8E23 |
| Beige | #FFF5F5DC | GreenYellow | #FFADFF2F | Orange | #FFFFA500 |
| Bisque | #FFFFE4C4 | Honeydew | #FFF0FFF0 | OrangeRed | #FFFF4500 |
| Black | #FF000000 | HotPink | #FFFF69B4 | Orchid | #FFDA70D6 |
| BlanchedAlmond | #FFFFEBCD | IndianRed | #FFCD5C5C | PaleGoldenroc | #FFEEE8AA |
| Blue | #FF0000FF | Indigo | #FF4B0082 | PaleGreen | #FF98FB98 |
| BlueViolet | #FF8A2BE2 | Ivory | #FFFFFFF0 | PaleTurquoise | #FFAFEEEE |
| Brown | #FFA52A2A | Khaki | #FFF0E68C | PaleVioletRed | #FFDB7093 |
| BurlyWood | #FFDEB887 | Lavender | #FFE6E6FA | PapayaWhip | #FFFFEFD5 |
| CadetBlue | #FF5F9EA0 | LavenderBlush | #FFFFF0F5 | PeachPuff | #FFFFDAB9 |
| Chartreuse | #FF7FFF00 | LawnGreen | #FF7CFC00 | Peru | #FFCD853F |
| Chocolate | #FFD2691E | LemonChiffon | #FFFFFACD | Pink | #FFFFC0CB |
| Coral | #FFFF7F50 | LightBlue | #FFADD8E6 | Plum | #FFDDA0DD |
| CornflowerBlue | #FF6495ED | LightCoral | #FFF08080 | PowderBlue | #FFB0E0E6 |
| Cornsilk | #FFFFF8DC | LightCyan | #FFE0FFFF | Purple | #FF800080 |
| Crimson | #FFDC143C | LightGoldenrodYellow | #FFFAFAD2 | Red | #FFFF0000 |
| Cyan | #FF00FFFF | LightGray | #FFD3D3D3 | RosyBrown | #FFBC8F8F |
| DarkBlue | #FF00008B | LightGreen | #FF90EE90 | RoyalBlue | #FF4169E1 |
| DarkCyan | #FF008B8B | LightPink | #FFFFB6C1 | SaddleBrown | #FF8B4513 |
| DarkGoldenrod | #FFB8860B | LightSalmon | #FFFFA07A | Salmon | #FFFA8072 |
| DarkGray | #FFA9A9A9 | LightSeaGreen | #FF20B2AA | SandyBrown | #FFF4A460 |
| DarkGreen | #FF006400 | LightSkyBlue | #FF87CEFA | SeaGreen | #FF2E8B57 |
| DarkKhaki | #FFBDB76B | LightSlateGray | #FF778899 | SeaShell | #FFFFF5EE |
| DarkMagenta | #FF8B008B | LightSteelBlue | #FFB0C4DE | Sienna | #FFA0522D |
| DarkOliveGreen | #FF556B2F | LightYellow | #FFFFFFE0 | Silver | #FFC0C0C0 |
| DarkOrange | #FFFF8C00 | Lime | #FF00FF00 | SkyBlue | #FF87CEEB |
| DarkOrchid | #FF9932CC | LimeGreen | #FF32CD32 | SlateBlue | #FF6A5ACD |
| DarkRed | #FF8B0000 | Linen | #FFFAF0E6 | SlateGray | #FF708090 |
| DarkSalmon | #FFE9967A | Magenta | #FFFF00FF | Snow | #FFFFFAFA |
| DarkSeaGreen | #FF8FBC8F | Maroon | #FF800000 | SpringGreen | #FF00FF7F |
| DarkSlateBlue | #FF483D8B | MediumAquamarine | #FF66CDAA | SteelBlue | #FF4682B4 |
| DarkSlateGray | #FF2F4F4F | MediumBlue | #FF0000CD | Tan | #FFD2B48C |
| DarkTurquoise | #FF00CED1 | MediumOrchid | #FFBA55D3 | Teal | #FF008080 |
| DarkViolet | #FF9400D3 | MediumPurple | #FF9370DB | Thistle | #FFD8BFD8 |
| DeepPink | #FFFF1493 | MediumSeaGreen | #FF3CB371 | Tomato | #FFFF6347 |
| DeepSkyBlue | #FF00BFFF | MediumSlateBlue | #FF7B68EE | Transparent | #00FFFFFF |
| DimGray | #FF696969 | MediumSpringGreen | #FF00FA9A | Turquoise | #FF40E0D0 |
| DodgerBlue | #FF1E90FF | MediumTurquoise | #FF48D1CC | Violet | #FFEE82EE |
| Firebrick | #FFB22222 | MediumVioletRed | #FFC71585 | Wheat | #FFF5DEB3 |
| FloralWhite | #FFFFFAF0 | MidnightBlue | #FF191970 | White | #FFFFFFFF |
| ForestGreen | #FF228B22 | MintCream | #FFF5FFFA | WhiteSmoke | #FFF5F5F5 |
| Fuchsia | #FFFF00FF | MistyRose | #FFFFE4E1 | Yellow | #FFFFFF00 |
| Gainsboro | #FFDCDCDC | Moccasin | #FFFFE4B5 | YellowGreen | #FF9ACD32 |