TUTORIAL 06

"Working with Tables"

module_15:
"...more TABLES"
"dlr_mornings.html"

Listener Supported *Since* **1975**

Home   Schedule   Programs   Music   News   Events   Listen Live   Contact Us

Listener
DLR
Radio
Sponsored

DLR Morning Schedule

DLR airs listener-supported public radio in Bismarck, North Dakota from 5:00 a.m. to 10:30 p.m.

You can Listen Live to streaming audio of our broadcast or download programs from our Podcast.

Please refer below for our current morning schedule.

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00	Dawn Air					Dawn Air Weekends	Sunday Magazine
5:30							
6:00							Weekend Reflections
6:30							
7:00	Local News					Weekend Wrap	Radio U
7:30	World News Feed						
8:00	Classical Roots					What Can You Say?	University on the Air
8:30							
9:00							
9:30						Animal Talk	
10:00	Symphony City						Word Play
10:30							Brain Stew
11:00						Opera Live from the East Coast	The Inner Mind
11:30							Grammar Rules!!
12:00	Book Club						Weekend Wrap

Support your Public Radio Station

All Times Central

DLR · 4300 Magnolia Lane · Bismarck, ND 58504 · (701) 555 - 5611

dlr_mornings.html

```html
<!DOCTYPE html>
<html>
<head>
  <!-- Tut6 Review Assignment  DLR Morning Schedule
       Filename: dlr_mornings.html  -->
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <title>DLR Morning Schedule</title>
  <link href="dlr_reset2.css" rel="stylesheet" />
  <link href="dlr_styles2.css" rel="stylesheet" />
  <link href="dlr_tables2.css" rel="stylesheet" />
  <link href="dlr_columns2.css" rel="stylesheet" />
</head>
```

CSS

```
<body>
  <header>
    <h1>Listener Supported <em>Since</em> 1975</h1>
    <nav>
      <a id="navicon" href="#"><img src="dlr_navicon2.png" alt="" /></a>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Schedule</a></li>
        <li><a href="#">Programs</a></li>
        <li><a href="#">Music</a></li>
        <li><a href="#">News</a></li>
        <li><a href="#">Events</a></li>
        <li><a href="#">Listen Live</a></li>
        <li><a href="#">Contact Us</a></li>
      </ul>
    </nav>
  </header>
```

```
<div id="container">

  <section id="main">
      <img src="dlr_logo2.png" alt="DLR" />
      <h2>DLR Morning Schedule</h2>
      <p>DLR airs listener-supported public radio in Bismarck, North Dakota from
         5:00 a.m. to 10:30 p.m. <br />You can <a href="#">Listen Live</a> to streaming audio
         of our broadcast or download programs from our <a href="#">Podcast</a>.
         <br />Please refer below for our current morning schedule.</p>
```

Now, let's code the TABLE

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00	Dawn Air					Dawn Air Weekends	Sunday Magazine
5:30							
6:00							Weekend Reflections
6:30							
7:00	Local News					Weekend Wrap	Radio U
7:30	World News Feed						
8:00	Classical Roots					What Can You Say?	University on the Air
8:30							
9:00							
9:30						Animal Talk	
10:00	Symphony City						Word Play
10:30							Brain Stew
11:00						Opera Live from the East Coast	The Inner Mind
11:30							Grammar Rules!!
12:00	Book Club						Weekend Wrap
Support your Public Radio Station							

All Times Central

17 rows ... 8 columns

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00	Dawn Air					Dawn Air Weekends	Sunday Magazine
5:30							
6:00							Weekend Reflections
6:30							

```
<table class="programs">
  <caption>All Times Central</caption>

  <colgroup>
    <col class="timeColumn" />
    <col class="wDayColumns" span="5" />
    <col class="wEndColumns" span="2" />
  </colgroup>
```

Eight (8)
columns
(Defined in
3 groups)

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun

```
<thead>
  <tr>
    <th>Time</th>
    <th>Mon</th>
    <th>Tue</th>
    <th>Wed</th>
    <th>Thu</th>
    <th>Fri</th>
    <th>Sat</th>
    <th>Sun</th>
  </tr>
</thead>
```

ROW#1

Support your Public Radio Station

```
<tfoot>
  <tr>
    <td colspan="8">Support your Public Radio Station</td>
  </tr>
</tfoot>
```

ROW#17

<tbody>
  <tr>
  <th>5:00</th>
  ROW#2
  <td **rowspan="4" colspan="5"**>Dawn Air</td>
  <td **rowspan="4"**>Dawn Air Weekends</td>
  <td **rowspan="2"**>Sunday Magazine</td>
</tr>

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00	Dawn Air					Dawn Air Weekends	Sunday Magazine
5:30							
6:00							Weekend Reflections
6:30							

dlr_mornings.html

Time	Mon	Tue	Wed	Thu	Fri	Sat	Sun
5:00	Dawn Air					Dawn Air Weekends	Sunday Magazine
5:30							
6:00							Weekend Reflections
6:30							

```
<tr>
  <th>5:30</th>
</tr>
```
ROW#3

```
<tr>
  <th>6:00</th>
  <td rowspan="2">Weekend Reflections</td>
</tr>
```
ROW#4

```
<tr>
  <th>6:30</th>
</tr>
```
ROW#5

```
<tr>
  <th>7:00</th>
  <td colspan="5">Local News</td>
  <td rowspan="2">Weekend Wrap</td>
  <td rowspan="2">Radio U</td>
</tr>
<tr>
  <th>7:30</th>
  <td colspan="5">World News Feed</td>
</tr>
<tr>
  <th>8:00</th>
  <td rowspan="4" colspan="5">Classical Roots</td>
  <td rowspan="3">What Can You Say?</td>
  <td rowspan="4">University on the Air</td>
</tr>
<tr>
  <th>8:30</th>
</tr>
<tr>
  <th>9:00</th>
</tr>
```

```
<tr>
  <th>9:30</th>
  <td rowspan="3">Animal Talk</td>
</tr>
<tr>
  <th>10:00</th>
  <td rowspan="4" colspan="5">Symphony City</td>
  <td>Word Play</td>
</tr>
<tr>
  <th>10:30</th>
  <td>Brain Stew</td>
</tr>
<tr>
  <th>11:00</th>
  <td rowspan="3">Opera Live from the East Coast</td>
  <td>The Inner Mind</td>
</tr>
<tr>
  <th>11:30</th>
  <td>Grammar Rules!!</td>
</tr>
```

```
    <tr>
        <th>12:00</th>
        <td colspan="5">Book Club</td>
        <td>Weekend Wrap</td>
    </tr>
</tbody>

</table>
</section>

</div>
    <footer>
        DLR &#183; 4300 Magnolia Lane &#183; Bismarck,
        ND 58504 &#183; (701) 555 - 5611
    </footer>
</body>
</html>    <!-- End of dlr_mornings.html  -->
```

module 15:

"Working with HTML TABLES"
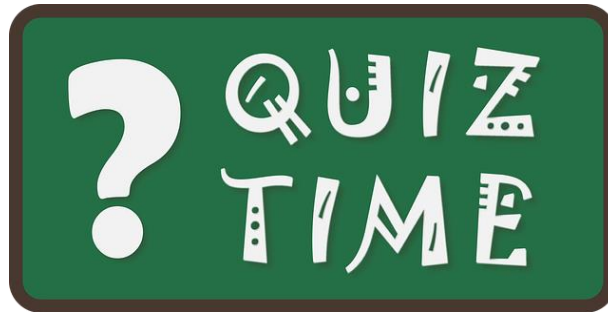
1. The starting tag of a table is:

(A) <tr>

(B) <table>

(C) <input type="table">

(D) <tablet>

Level of difficulty: **Easy**

1. The starting tag of a table is:

Answer

(B) **\<table\>** ✔

\<table class="schedule"\>

Level of difficulty: **Easy**

2. In HTML tables, a table row is defined by

(A) <th>

(B) <tr>

(C) <td>

(D) <rowspan>

Level of difficulty: **Easy**

2. In HTML tables, a table row is defined by

Answer

(B) **<tr>** ✔

<tr>
  <th>6:00 PM</th>
  <td colspan="7">National News</td>
</tr>

Level of difficulty: **Easy**

3. In HTML tables, a table header is defined by

(a) **<th>**

(b) **<tr>**

(c) **<td>**

(d) **<head>**

Level of difficulty: **Easy**

3. In HTML tables, a table header is defined by

Answer

(a) **<th>** ✔

<tr>
   <th>Time**</th>**
   <th>Mon**</th>**
   ...

Level of difficulty: **Easy**

4. **If you want to merge two or more rows in a table, which attribute can you use?**

(a) **\<colmerge\>**

(b) **\<rowmerge\>**

(c) **\<colspan\>**

(d) **\<rowspan\>**

Level of difficulty: **Easy**

4. If you want to merge two or more rows in a table, which attribute can you use?

Answer

(D) <rowspan> ✔

```
<tr>
   <th>9:00 PM</th>
   <td rowspan="2">Open Mike Nite</td>
<tr>
```

Level of difficulty: **Easy**

5. **The content inside a <td> element is left aligned by default.**

TRUE or FALSE

Level of difficulty: **Challenge**

5. The content inside a <td> element is left aligned by default.

TRUE or FALSE

Answer

TRUE ✔

Level of difficulty: **Challenge**

6. **If you do not require a table border, use**

(a) **border = false**

(b) **border = no border**

(c) **border = "1"**

(d) **border = "0"**

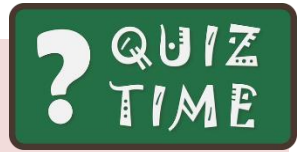Level of difficulty: **Challenge**

6. If you do not require a table border, use

Answer

(d) **border = "0"**   ✔

```
Preferred method : Using CSS

table, tr, td {
  border:none;
}
```
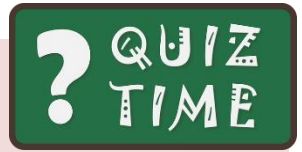
Level of difficulty: **Challenge**

7. In HTML tables, header data is automatically _____

(a) **centered**

(b) **centered and bolded**

(c) **bolded**

(d) **left-justified and italicized**

Level of difficulty: **Challenge**

7. **In HTML tables, header data is automatically _____**

Answer

(b) **centered and bolded** ✔

Level of difficulty: **Challenge**

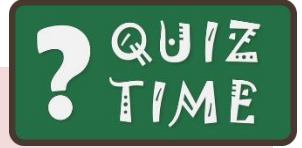**8.** In HTML tables, to merge two or more columns into a single cell, use the _____ attribute.

(a) **<spancols>**

(b) **<rowspan>**

(c) **<colspan>**

(d) **<name>**

Level of difficulty: **Challenge**

8. **In HTML tables, to merge two or more columns into a single cell, use the _____ attribute.**

Answer

(c) **<colspan>** ✔

```
<tr>
  <th>6:30 PM</th>
  <td colspan="7">World News</td>
</tr>
```

Level of difficulty: **Challenge**

9. **In HTML tables, use the _____ tag to serve as a title or explanation.**
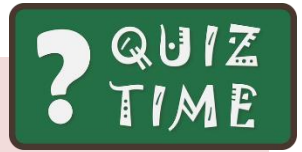
(a) **<title>**

(b) **<explain>**

(c) **<text>**

(d) **<caption>**

Level of difficulty: **Challenge**

9. **In HTML tables, use the _____ tag to serve as a title or explanation.**
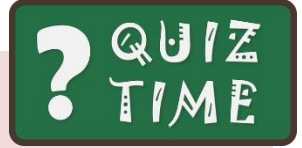
Answer

(d) **\<caption\>**

✔

\<table class="schedule"\>
  \<caption\>All Times Central**\</caption\>**

Level of difficulty: **Challenge**

10. **The three elements for separating the head, body and footer section of a table are ?**

(a) **\<head\>, \<body\>, \<footer\>**

(b) **\<thead\>, \<tbody\>, \<tfooter\>**

(c) **\<thead\>, \<tbody\>, \<tfoot\>**

(d) **\<th\>, \<tb\>, \<tf\>**

Level of difficulty: **Challenge**

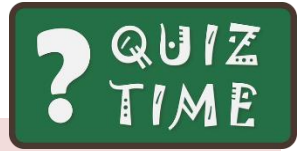**10.** **The three elements for separating the head, body and footer section of a table are ?**

Answer

(c) **\<thead\>, \<tbody\>, \<tfoot\>** ✔

Level of difficulty: **Challenge**

11. Tables do not have borders by default.

TRUE or FALSE

Level of difficulty: **Challenge**

11. Tables do not have borders by default.
TRUE or FALSE

Answer

> # TRUE ✔

```
table.schedule th, table.schedule td {
    border: 1px solid gray;
    padding: 5px;
    vertical-align: top;
}
```

Level of difficulty: **Challenge**

12. **The following CSS code will add a 1-pixel border to the table and 10-pixels of padding to its cells when you add the _____ property.**

```
table,th,td {
  border: 1px solid black;
}
th,td {
  _____: 10px;
}
```

(a) **spacing**
(b) **padding**
(c) **width**
(d) **padCell**

Level of difficulty: **Challenge**

12. The following CSS code will add a 1-pixel border to the table and 10-pixels of padding to its cells when you add the _____ property.

```
table,th,td {
   border: 1px solid black;
}
th,td {
   _____: 10px;
}
```

Answer

(b) **padding** ✔

Level of difficulty: **Challenge**

13. **When adding a caption to a table, the <caption> element must be placed directly below the opening <table> tag.**
TRUE or FALSE

Level of difficulty: **Challenge**

13. **When adding a caption to a table,**
the <caption> element must be placed
directly below the opening <table> tag.
TRUE or FALSE

Answer

TRUE ✓

```
<table class="schedule">
    <caption>All Times Central</caption>
```

Level of difficulty: **Challenge**

14. By default, a caption appears at the bottom of the table.

TRUE or FALSE

Level of difficulty: **Challenge**

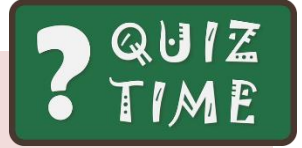**14.** **By default, a caption appears at the bottom of the table.**

TRUE or FALSE

Answer

FALSE ✓

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.

Level of difficulty: **Challenge**

15. You can change a captions position to bottom by using the _____ CSS property?

(a) caption

(b) bottom

(c) caption-bottom

(d) caption-side

Level of difficulty: **Challenge**

15. **You can change a captions position to bottom by using the _____ CSS property?**

Answer

(d) **caption-side**   ✔

i.e.   **caption {**
         caption-side: bottom;
         }

Level of difficulty: **Challenge**

16. In HTML5, the <tfoot> element can be placed either before or after the <tbody> element, but must appear after any <caption>, <colgroup> and <thead> elements.

TRUE or FALSE

Level of difficulty: **SUPER challenge**

16. In HTML5, the <tfoot> element can be placed either before or after the <tbody> element, but must appear after any <caption>, <colgroup> and <thead> elements.

TRUE or FALSE

Answer

TRUE ✔

Level of difficulty: **SUPER challenge**

17. The _____ tag is used to specify a group of one or more columns in a table for formatting.

(a) **<group >**

(b) **<groupCols>**

(c) **<col>**

(d) **<colgroup>**

Level of difficulty: **SUPER challenge**

17. The _____ tag is used to specify a group of one or more columns in a table for formatting.

Answer

(d) **\<colgroup\>** ✔

```
<colgroup>
    <col id="firstCol" />
    <col class="dayCols" span="7" />
</colgroup>
```

Level of difficulty: **SUPER challenge**

18. The _____ tag is used to specify properties for each column within a <colgroup> element.

(a) **<group>**

(b) **<groupCols>**

(c) **<col>**

(d) **<colgroup>**

Level of difficulty: **SUPER challenge**

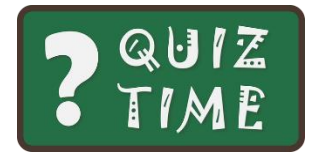**18.** **The _____ tag is used to specify properties for each column within a `<colgroup>` element.**

Answer

(c) **`<col>`**   ✔

```
<colgroup>
    <col id="firstCol" />
    <col class="dayCols" span="7" />
</colgroup>
```

Level of difficulty: **SUPER challenge**

19. The <thead>, <tbody> and <tfoot> elements MUST have at least one <tr> tag.

TRUE or FALSE

Level of difficulty: **SUPER-DUPER challenge**

19. **The <thead>, <tbody> and <tfoot> elements MUST have at least one <tr> tag.**

TRUE or FALSE

Answer

TRUE ✓

Level of difficulty: **SUPER-DUPER challenge**

20. **The <thead>, <tbody> and <tfoot> elements are "normal" elements, which means none of them will affect the layout of the table.**

TRUE or FALSE

Level of difficulty: **SUPER-DUPER challenge**

20. **The <thead>, <tbody> and <tfoot> elements are "normal" elements, which means none of them will affect the layout of the table.**

TRUE or FALSE

Answer

TRUE ✔

21. You should not use HTML tables for page layout, they should be used for displaying _____ only.

(a) **images**

(b) **financial reports**

(c) **entire web sites**

(d) **data**

Level of difficulty: **SUPER-DUPER challenge**

21. You should not use HTML tables for page layout, they should be used for displaying _____ only.

Answer

(d) **data** ✔

22. A set of <table> and </table> opening and closing tags respectively are required to create the table shell.

TRUE or FALSE

22. A set of **<table>** and **</table>** opening and closing tags respectively are required to create the table shell.

TRUE or FALSE

Answer

TRUE ✓

Level of difficulty: **SUPER-DUPER challenge**

Closing Notes:

HTML tables are not always advisable

Despite being useful for presenting tabular data in web pages, HTML5 does not recommend tables for page layouts because:

1. When used as layout documents, tables may not render correctly to non-visual media *i.e.* screen readers, making it difficult for visually impaired users to navigate pages.

2. The table code could become harder to maintain since table layouts involve more complex HTML structures.

3. Tables, especially 'nested tables' (one or more tables placed in another table) ones could take longer to load on a web page.

... Closing Notes:

... HTML tables are not always advisable

4. Table created layout can hurt search engine optimization (SEO). Since search engines place a higher rating on content at the top of a web page *i.e.* navigation, headers, first paragraph content thus placing a much lower rating on the table data.

5. Tables are not automatically responsive since they are sized according to their content. Viewing HTML table layouts on mobile devises may be very difficult to read.