

Web Programming 1_Lab_4

Eng Rana Mohamed

rana.9237.gabr@gmail.com

HTML Tables

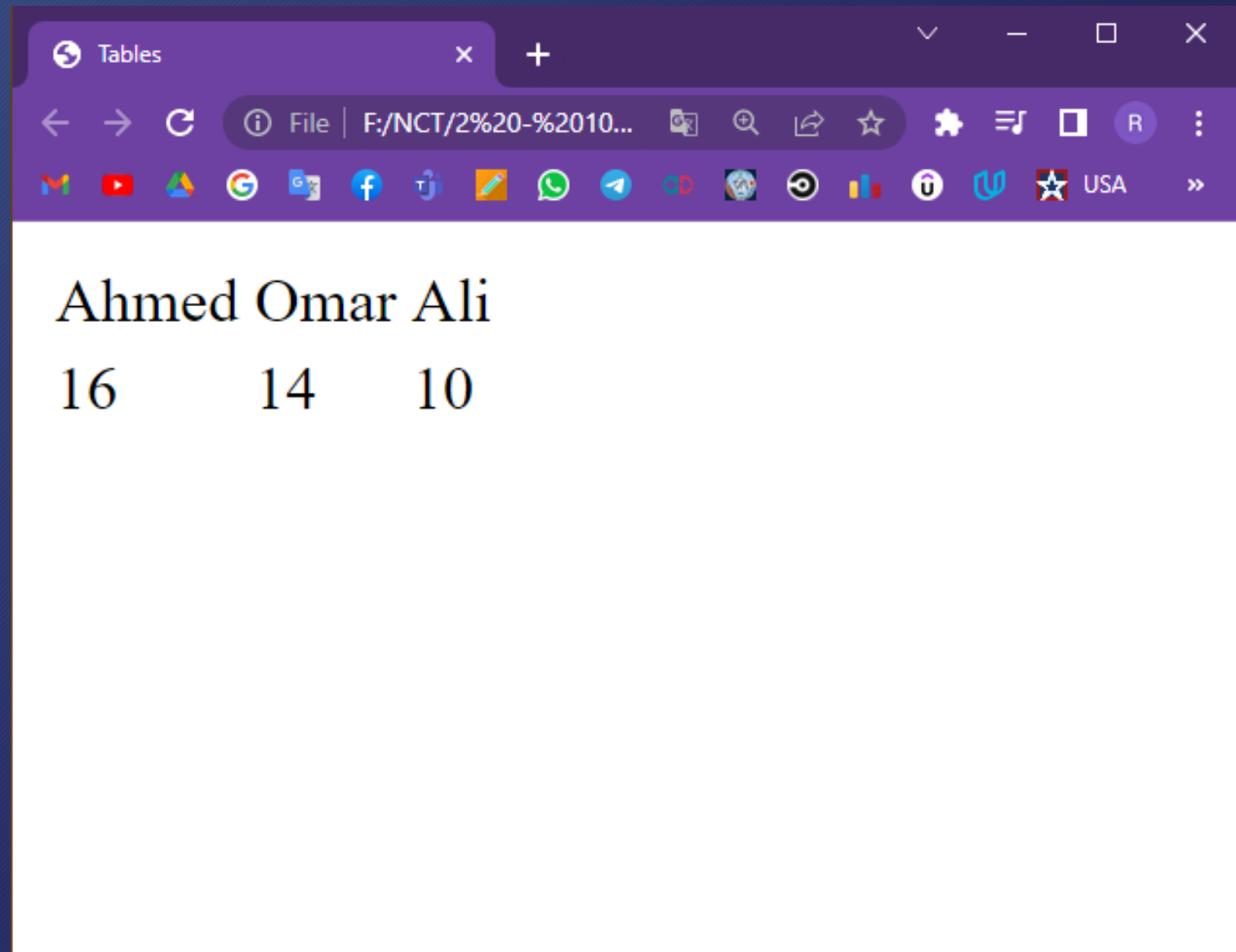
HTML Tables

- A table in HTML consists of table cells inside **rows** and **columns**.
- Each **table cell** is defined by a **<td>** and a **</td>** tag.
 - **td** stands for **table data**.
- A **table cell** can contain all sorts of HTML elements: text, images, lists, links, other tables, etc.

HTML Tables

- Each **table row** starts with a `<tr>` and ends with a `</tr>` tag.
 - **tr** stands for **table row**.
- You can have as many rows as you like in a table; just make sure that **the number of cells are the same in each row**.

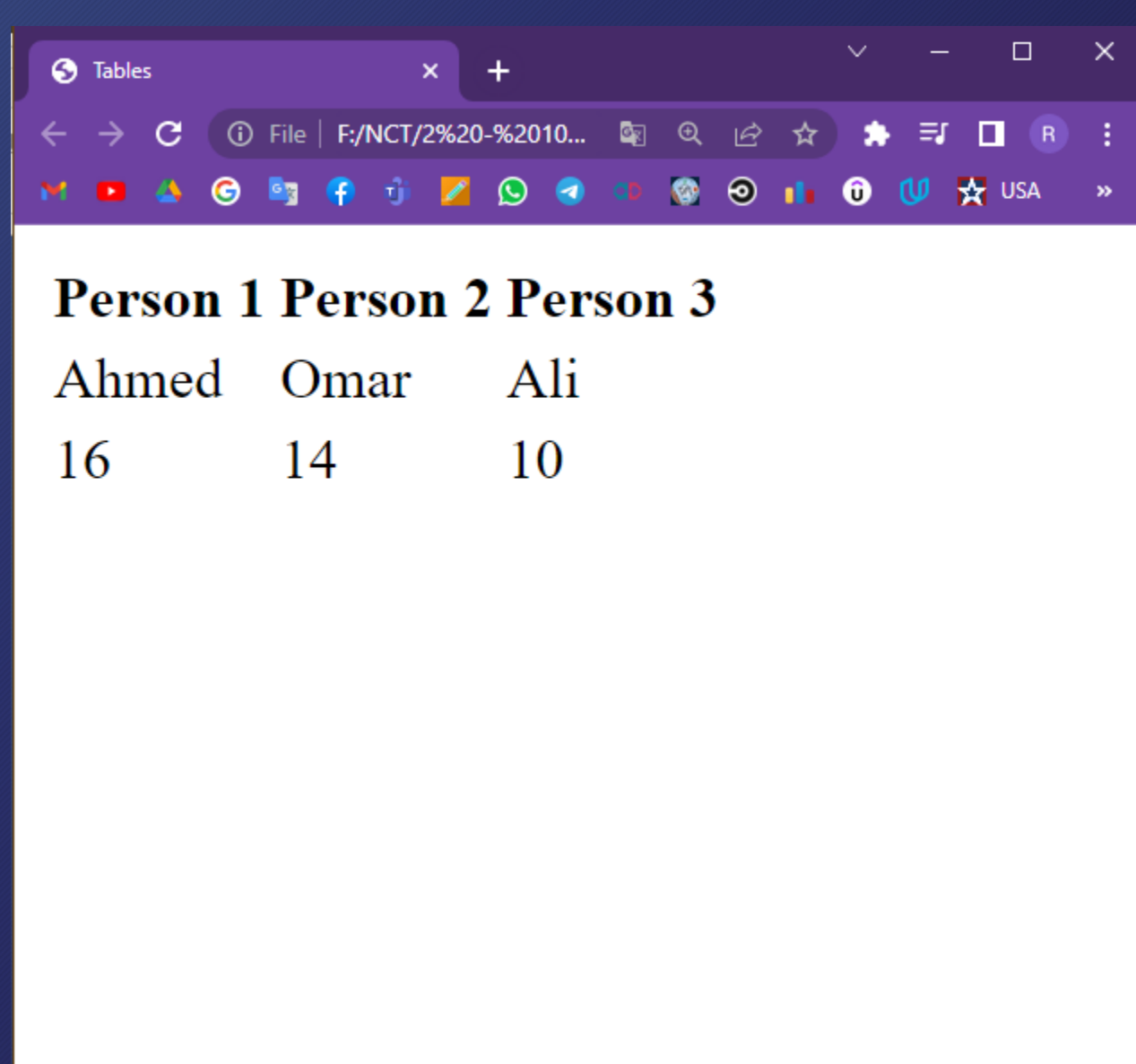
```
<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>Ali</td>
    </tr>
    <tr>
      <td>16</td>
      <td>14</td>
      <td>10</td>
    </tr>
  </table>
</body>
</html>
```



HTML Tables

- Sometimes you want your cells to be table header cells. In those cases use the `<th>` tag instead of the `<td>` tag.
 - `th` stands for **table header**.
- By default, the text in `<th>` elements are **bold and centered**.


```
<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table>
    <tr>
      <th>Person 1</th>
      <th>Person 2</th>
      <th>Person 3</th>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>Ali</td>
    </tr>
    <tr>
      <td>16</td>
      <td>14</td>
      <td>10</td>
    </tr>
  </table>
</body>
</html>
```



The screenshot shows a web browser window with a single tab titled "Tables". The address bar shows the file path "F:/NCT/2%20-%2010...". The browser's toolbar includes navigation buttons (back, forward, refresh), a search bar, and various extension icons. The main content area displays a table with the following data:

Person 1	Person 2	Person 3
Ahmed	Omar	Ali
16	14	10

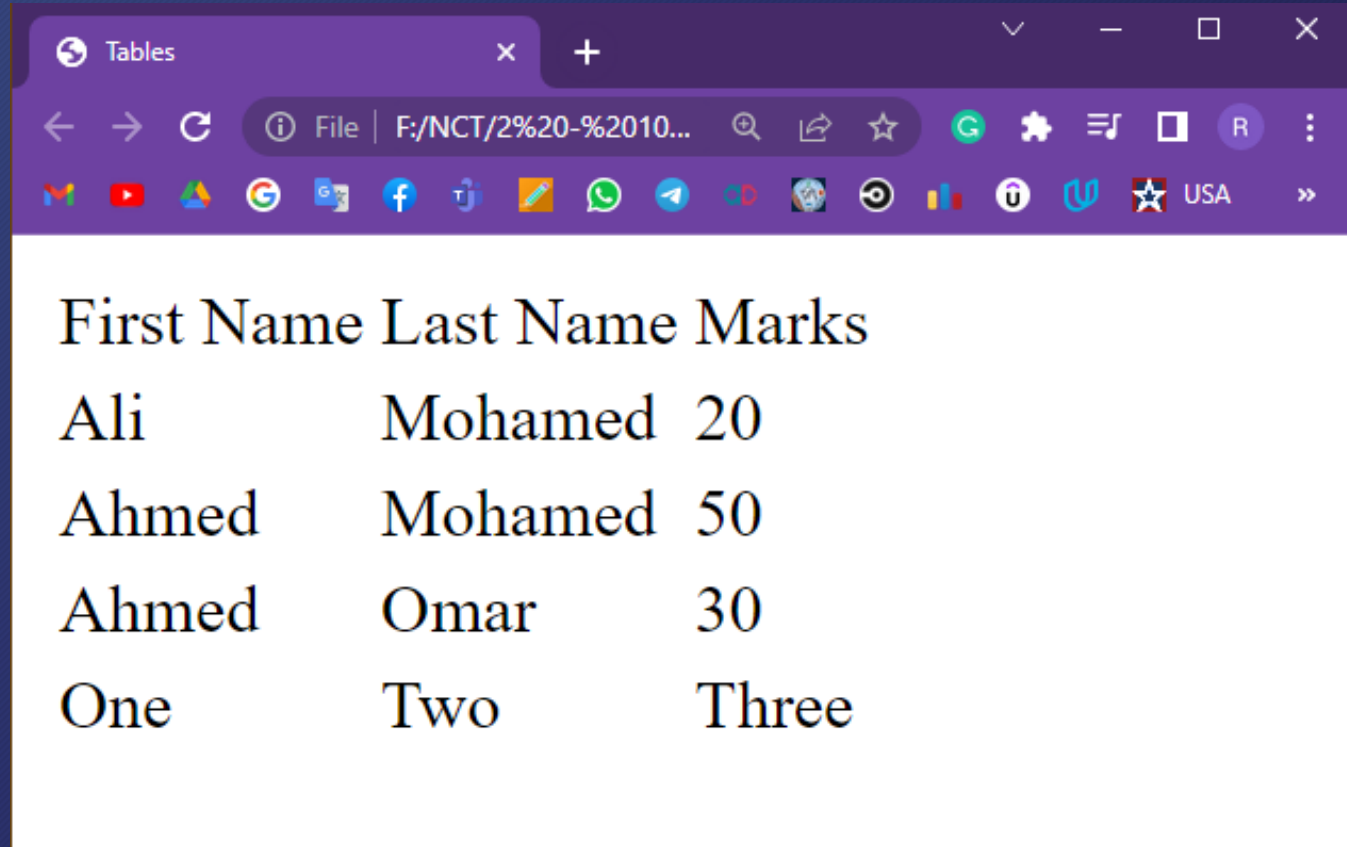
HTML Tables

- **<thead>** : Groups the header content in a table
- **<tbody>** : Groups the body content in a table
- **<tfoot>**: Groups the footer content in a table
- **<caption>**: Table Title


```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table>
    <thead>
      <tr>
        <td>First Name</td>
        <td>Last Name</td>
        <td>Marks</td>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ali</td>
        <td>Mohamed</td>
        <td>20</td>
      </tr>
      <tr>
        <td>Ahmed</td>
        <td>Mohamed</td>
        <td>50</td>
      </tr>
      <tr>
        <td>Ahmed</td>
        <td>Omar</td>
        <td>30</td>
      </tr>
    </tbody>
    <tfoot>
      <tr>
        <td>One</td>
        <td>Two</td>
        <td>Three</td>
      </tr>
    </tfoot>
  </table>
</body>
</html>

```



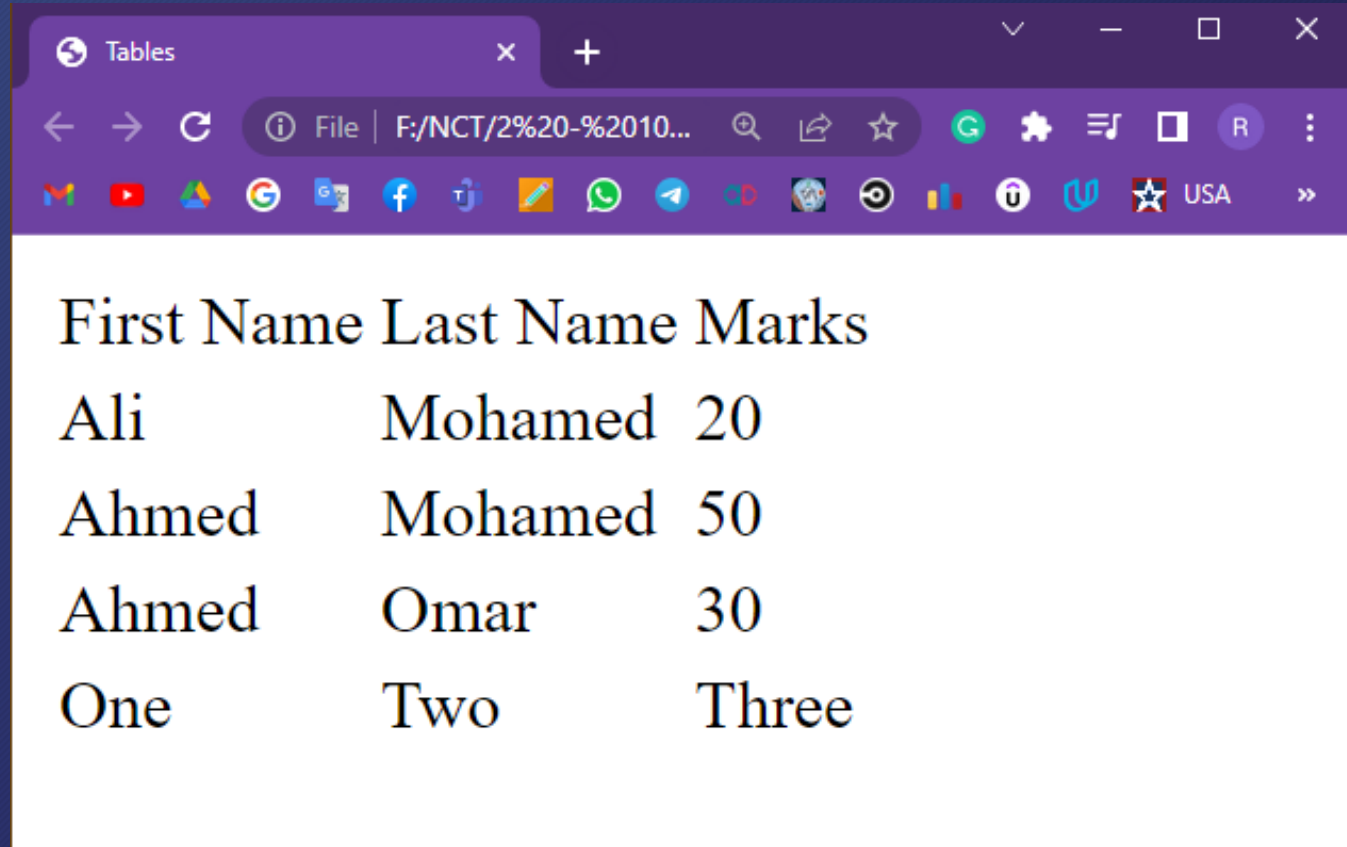
The screenshot shows a web browser window with a single tab titled "Tables". The address bar displays the file path "F:/NCT/2%20-%2010...". The browser's toolbar includes navigation buttons (back, forward, refresh), a search bar, and various extension icons. The main content area displays a table with three columns: "First Name", "Last Name", and "Marks". The table contains four rows of data, including a footer row with the words "One", "Two", and "Three".

First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30
One	Two	Three

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table>
    <tfoot>
      <tr>
        <td>One</td>
        <td>Two</td>
        <td>Three</td>
      </tr>
    </tfoot>
    <thead>
      <tr>
        <td>First Name</td>
        <td>Last Name</td>
        <td>Marks</td>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ali</td>
        <td>Mohamed</td>
        <td>20</td>
      </tr>
      <tr>
        <td>Ahmed</td>
        <td>Mohamed</td>
        <td>50</td>
      </tr>
      <tr>
        <td>Ahmed</td>
        <td>Omar</td>
        <td>30</td>
      </tr>
    </tbody>
  </table>
</body>
</html>

```



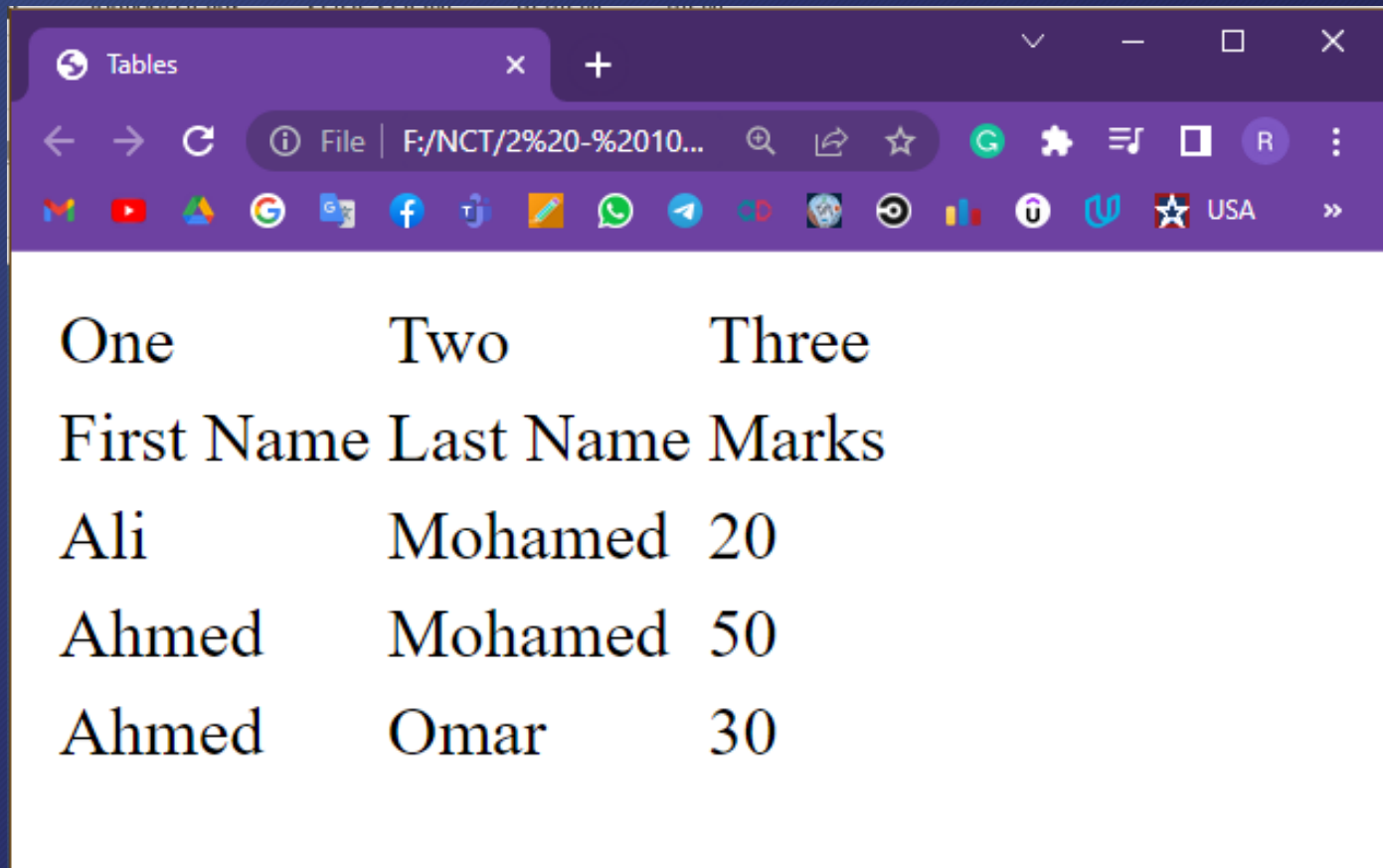
The screenshot shows a web browser window with a single tab titled "Tables". The address bar displays the file path "F:/NCT/2%20-%2010...". The browser's toolbar includes navigation buttons (back, forward, refresh), a search bar, and various extension icons. The main content area displays a table with three columns: "First Name", "Last Name", and "Marks". The table contains four rows of data, including a header row and three data rows.

First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30
One	Two	Three

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table>
    <tr>
      <td>One</td>
      <td>Two</td>
      <td>Three</td>
    </tr>
    <tr>
      <td>First Name</td>
      <td>Last Name</td>
      <td>Marks</td>
    </tr>
    <tr>
      <td>Ali</td>
      <td>Mohamed</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Mohamed</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>30</td>
    </tr>
  </table>
</body>
</html>

```



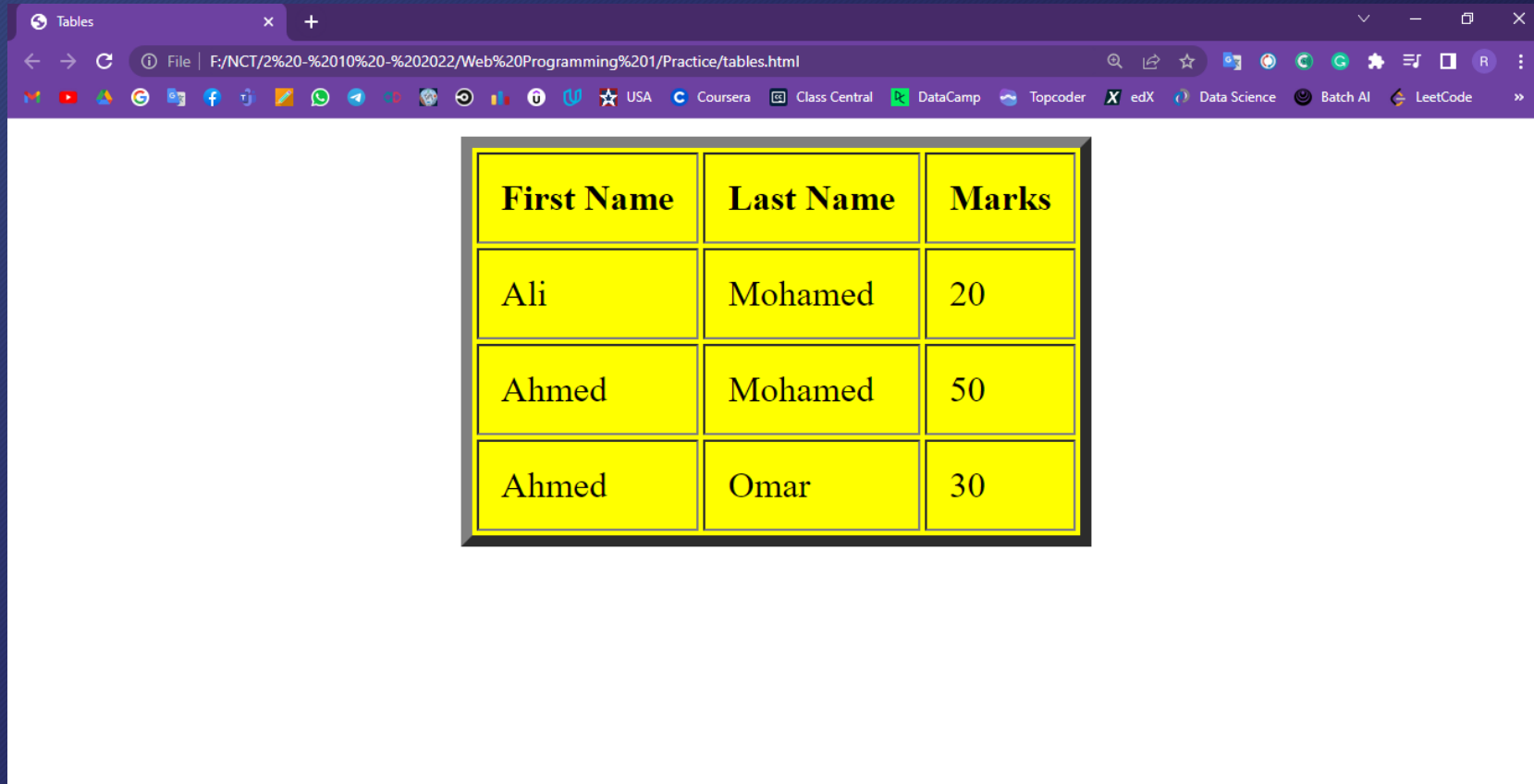
HTML Tables Attributes

- **align** → left , center , right
- **bgcolor** → For background color
- **border**
- **cellpadding** → specifies the space between the cell content and its borders
- **colspan**
- **rowspan**

```

<!DOCTYPE html>
<html>
<head>
    <title>Tables</title>
</head>
<body>
    <table border="5" , bgcolor="yellow" , align="center" , cellpadding="10">
        <tr>
            <th>First Name</th>
            <th>Last Name</th>
            <th>Marks</th>
        </tr>
        <tr>
            <td>Ali</td>
            <td>Mohamed</td>
            <td>20</td>
        </tr>
        <tr>
            <td>Ahmed</td>
            <td>Mohamed</td>
            <td>50</td>
        </tr>
        <tr>
            <td>Ahmed</td>
            <td>Omar</td>
            <td>30</td>
        </tr>
    </table>
</body>
</html>

```



First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="5" , bgcolor="yellow" , align="center" , cellpadding="10">
    <caption>Student Marks</caption>
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Marks</th>
    </tr>
    <tr>
      <td>Ali</td>
      <td>Mohamed</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Mohamed</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>30</td>
    </tr>
  </table>
</body>
</html>

```

Tables

File | F:/NCT/2%20-%2010%20-%202022/Web%20Programming%201/Practice/tables.html

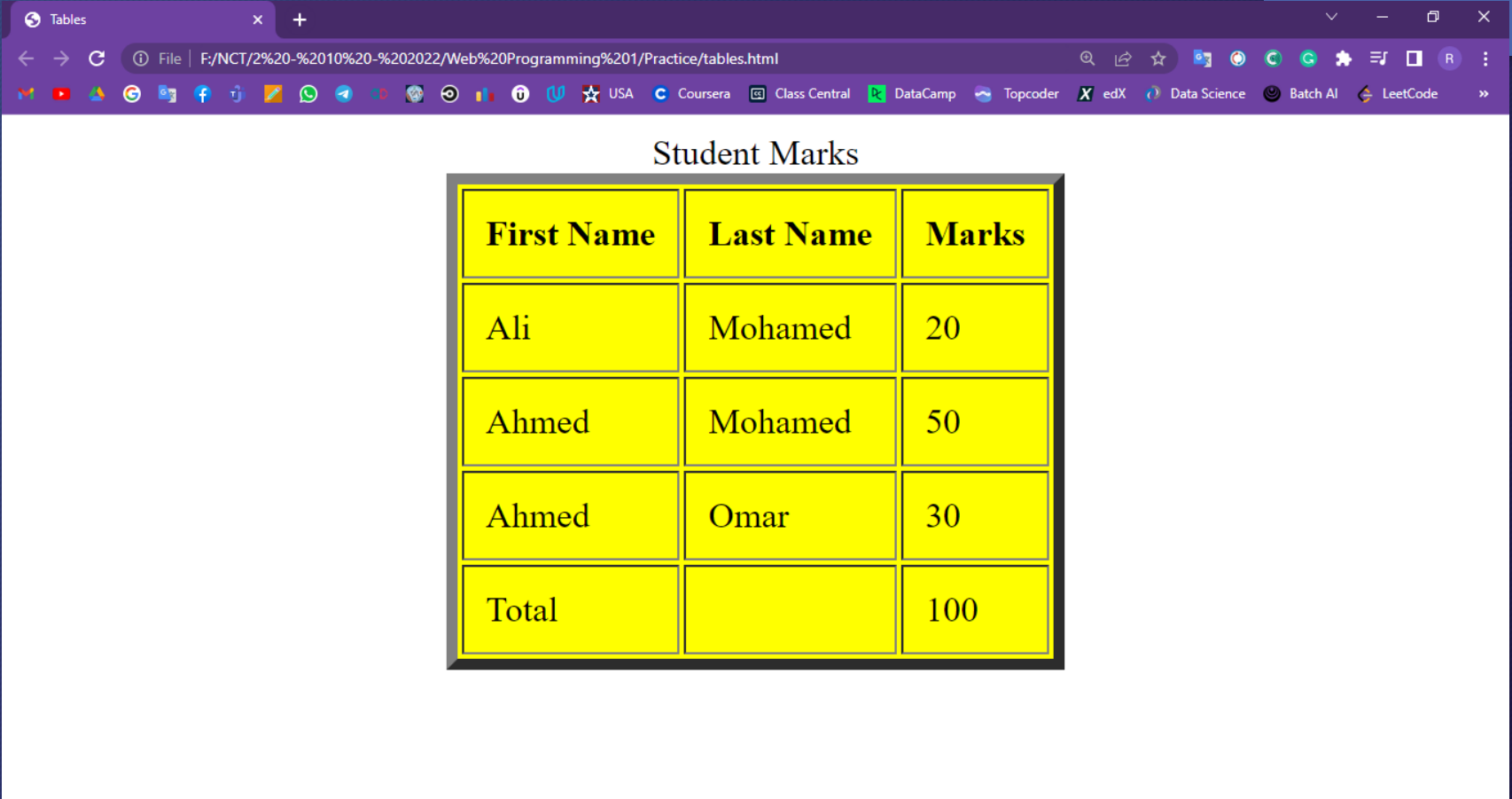
Student Marks

First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30


```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="5" , bgcolor="yellow" , align="center" , cellpadding="10">
    <caption>Student Marks</caption>
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Marks</th>
    </tr>
    <tr>
      <td>Ali</td>
      <td>Mohamed</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Mohamed</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>30</td>
    </tr>
    <tr>
      <td>Total</td>
      <td></td>
      <td>100</td>
    </tr>
  </table>
</body>
</html>

```



First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30
Total		100

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="5" , bgcolor="yellow" , align="center" , cellpadding="10">
    <caption>Student Marks</caption>
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Marks</th>
    </tr>
    <tr>
      <td>Ali</td>
      <td>Mohamed</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Mohamed</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>30</td>
    </tr>
    <tr>
      <td colspan="2">Total</td>
      <td>100</td>
    </tr>
  </table>
</body>
</html>

```

Tables

File | F:/NCT/2%20-%2010%20-%202022/Web%20Programming%201/Practice/tables.html

Student Marks

First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30
Total		100

```

<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="5" , bgcolor="yellow" , align="center" , cellpadding="10">
    <caption>Student Marks</caption>
    <tr>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Marks</th>
    </tr>
    <tr>
      <td>Ali</td>
      <td>Mohamed</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Mohamed</td>
      <td>50</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>Omar</td>
      <td>30</td>
    </tr>
    <tr>
      <td colspan="3">100</td>
    </tr>
  </table>
</body>
</html>

```

Student Marks

First Name	Last Name	Marks
Ali	Mohamed	20
Ahmed	Mohamed	50
Ahmed	Omar	30
100		

Task

Table Caption

Date	Name	Points
Month	Osama	100
	Aya	100
	Ali	100
	Ahmed	100

```
<!DOCTYPE html>
<html>
<head>
  <title>Tables</title>
</head>
<body>
  <table border="3" , bgcolor="green" , align="center" , cellpadding="5">
    <caption>Table Caption</caption>
    <tr>
      <th>Date</th>
      <th>Name</th>
      <th>Points</th>
    </tr>
    <tr>
      <td rowspan="4">Month</td>
      <td>Osama</td>
      <td>100</td>
    </tr>
    <tr>
      <td>Aya</td>
      <td>100</td>
    </tr>
    <tr>
      <td>Ali</td>
      <td>100</td>
    </tr>
    <tr>
      <td>Ahmed</td>
      <td>100</td>
    </tr>
  </table>
</body>
</html>
```

