HTML Images, Links and Table

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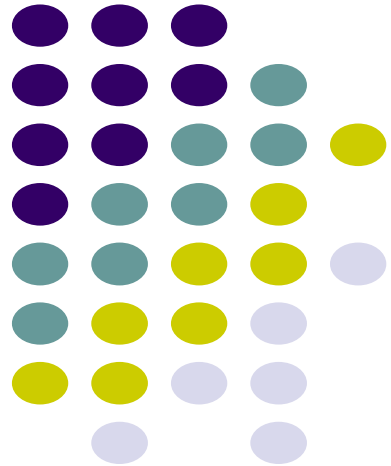


Display an Image

- The HTML <img> tag is used to embed an image in a web page.
- The <img> tag creates a holding space for the referenced image.
- The <img> tag is empty, it contains attributes only, and does not have a closing tag.
- The <img> tag has attributes:
  - src - Specifies the path to the image
  - alt - Specifies an alternate text for the image if image is not able to display due to any error.
  - width – Specifies the width of the image
  - height – Specifies the height of the image

Display an Image

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <title>My Website</title>
        <meta charset="utf-8">
    </head>
    <body>
        <img src="bird.png" width="300" height="200" alt="Image cannot be displayed">
    </body>
</html>
```

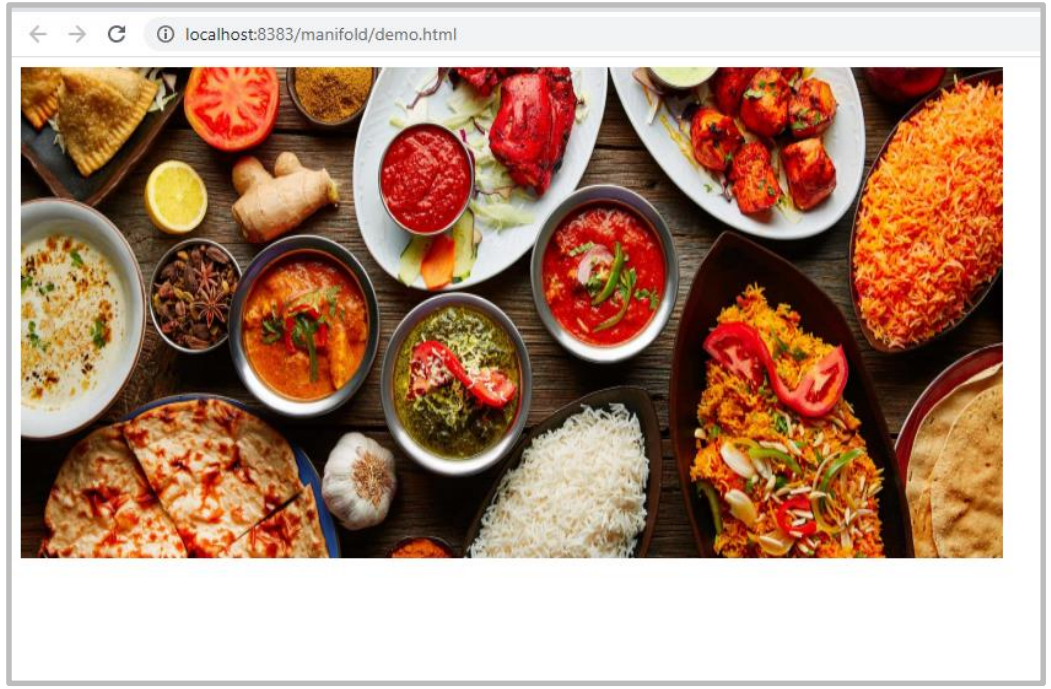
<figure> and <figcaption> tag

```
<body>
    <figure>
        <img src="bird.png" width="300" height="200">
        <figcaption>Fig.1 Bird</figcaption>
    </figure>
    <figure>
        <img src="duck.jpg" width="300" height="200">
        <figcaption>Fig.2 Duck</figcaption>
    </figure>
</body>
```

Display image from Internet

- To display the image from internet, copy the image address from any internet source. [Internet connection is mandatory]
- Then, give the image address in src attribute.

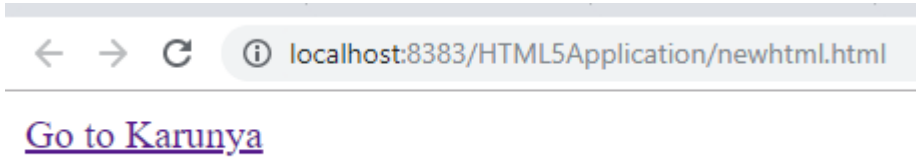
```
<body>
    <img width="800" height="400" src="https://rs.projects-abroad.net/v1/
        hero/indian-cuisine-south-africa-food-tours-product-5e146c7a97eb2.[1600].jpeg">
</body>
```

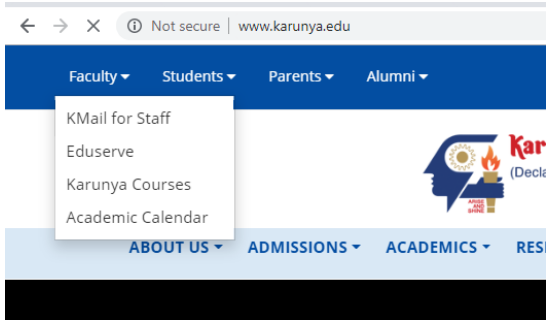


Working with Links and URLs

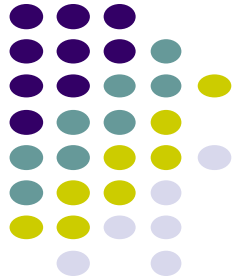
- A hyperlink interconnects the current web page with other Web pages available on the internet.
- You can create a hyperlink with HTML element called anchor element <a>.

```
<a href="http://www.karunya.edu">Go to Karunya</a>
```



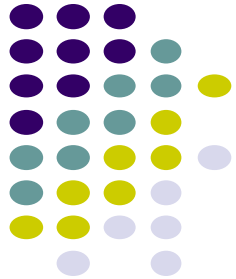


HTML Links(Hyperlink)



- Links are found in nearly all web pages.
- Links allow users to click and navigate from page to page.
- Also, called as Hyperlinks or Anchors
- By default, links will appear as follow in most of the browsers:
  - An unvisited link is underlined and blue.
  - A visited link is underlined and purple.
  - An active link is underlined and red.

Creating HTML Links - <a> tag (anchor tag)



- Links are specified in HTML using the <a> tag.

```
<a href="url">Link text</a>
```

  - Anything between the opening <a> tag and the closing </a> tag becomes the part of the link that the user sees and clicks in a browser.

External Links:

```
<a href="https://www.google.com/">Google Search</a>
```

Internal Links:

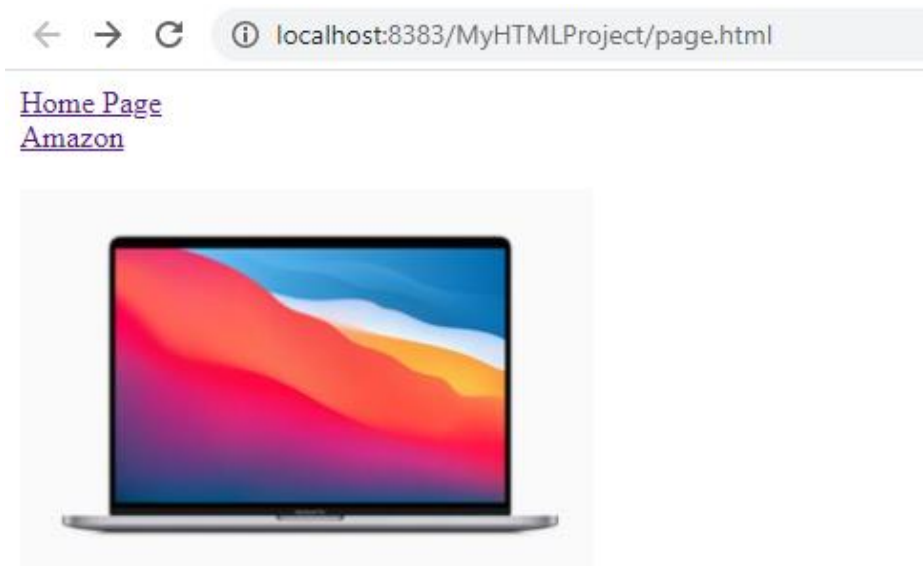
```
<a href="home.html">Home Page</a>
```

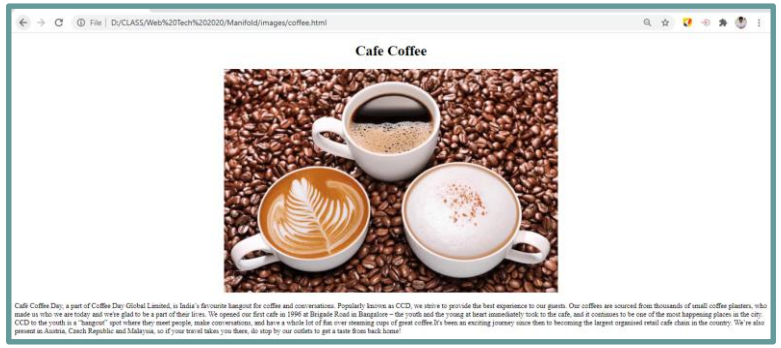
Image Links

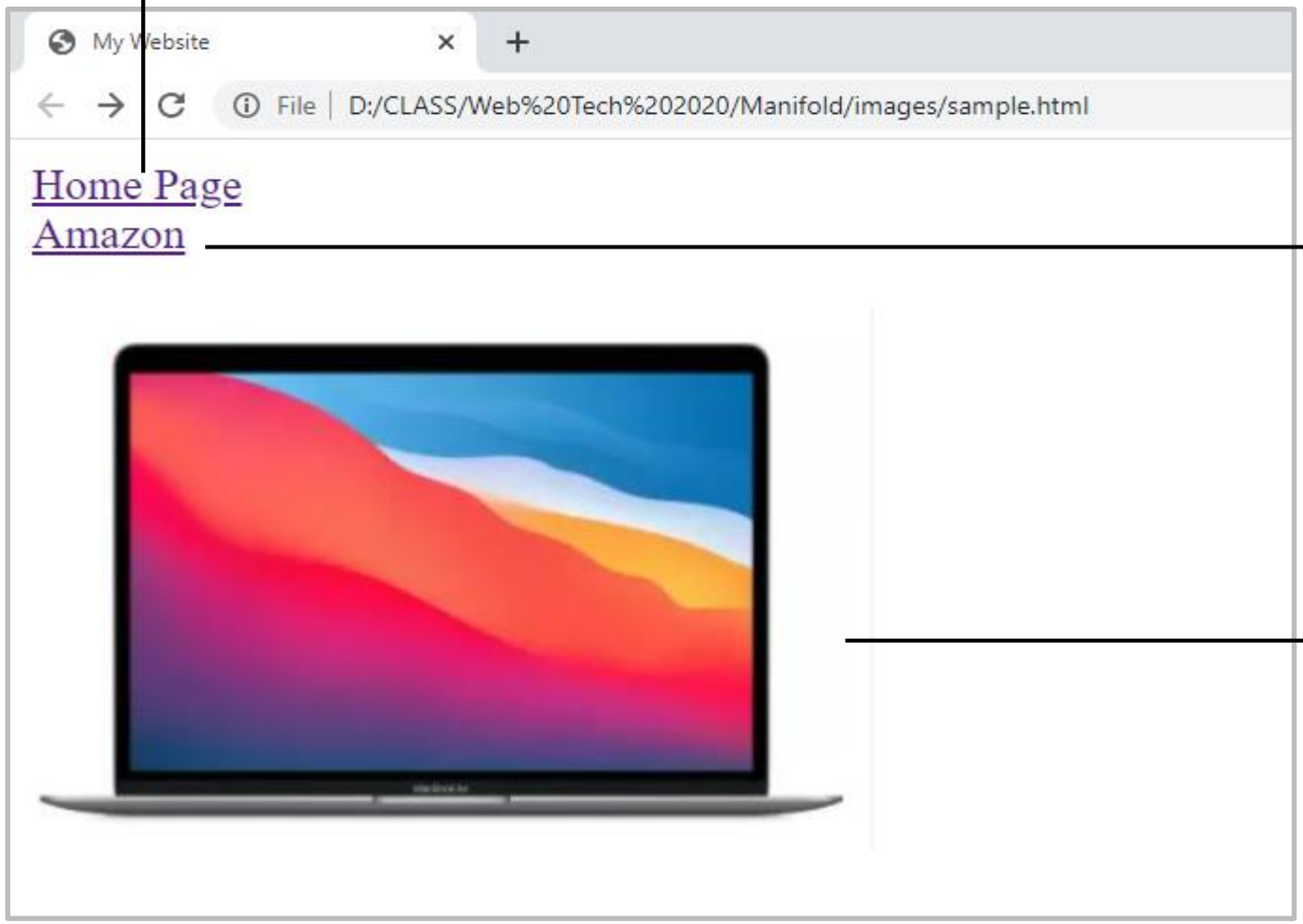
```
<a href="kites.jpg">
 <img src="kites-thumb.jpg" alt="kites">
</a>
```

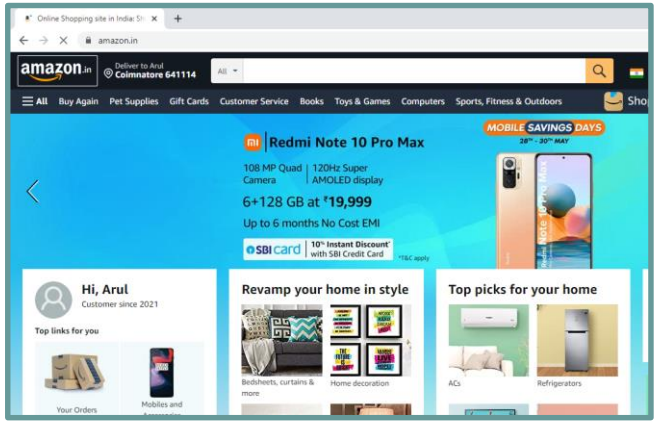
Links

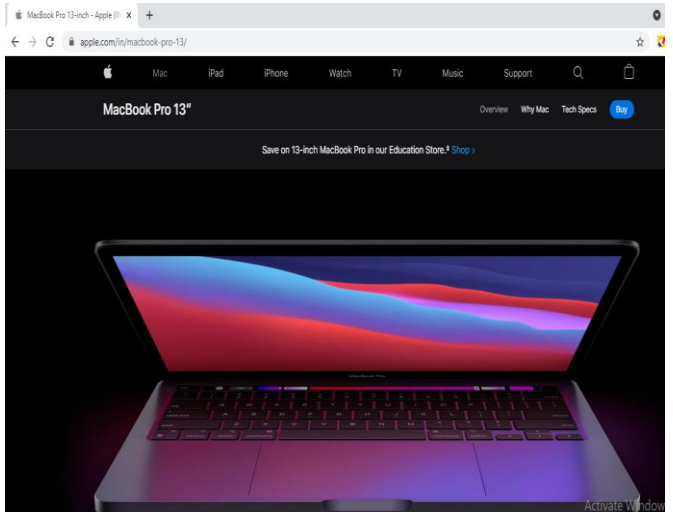
```
<body>
    <a href="home.html">Home Page</a>
    <br>
    <a href="https://www.amazon.in/">Amazon</a>
    <br>
    <br>
    <a href="https://www.apple.com/in/mac/">
        <img src='apple.jpg' width='300' height="200">
    </a>
</body>
```




Cafe Coffee
Cafe Coffee Day; a part of Coffee Day Global Limited, is India's favourite hangout for coffee and conversations. Popularly known as CCD, we strive to provide the best experience to our guests. Our coffees are sourced from thousands of small coffee planters, who made us who we are today and we're glad to be a part of their lives. We opened our first cafe in 1996 at Brigade Road in Bangalore – the youth and the young at heart immediately took to the cafe, and it continues to be one of the most happening places in the city. CCD to the youth is a "hangout" spot where they meet people, make conversations, and have a whole lot of fun over steaming cups of great coffee.It's been an exciting journey since then to becoming the largest organised retail cafe chain in the country. We're also present in Austria, Czech Republic and Malaysia, so if your travel takes you there, do stop by our outlets to get a taste from back home!


My Website
File | D:/CLASS/Web%20Tech%202020/Manifold/images/sample.html
Home Page
Amazon

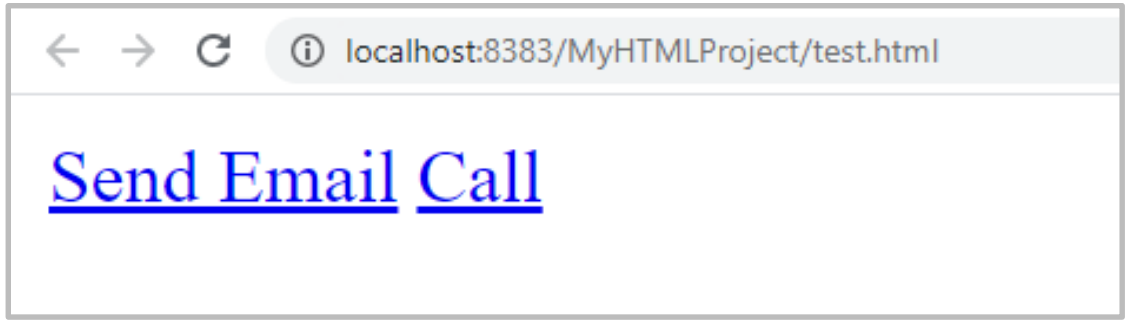

amazon.in
Redmi Note 10 Pro Max
6+128 GB at ₹19,999
Up to 6 months No Cost EMI
Hi, Arul
Revamp your home in style
Top picks for your home


MacBook Pro 13"
Save on 13-inch MacBook Pro in our Education Store.

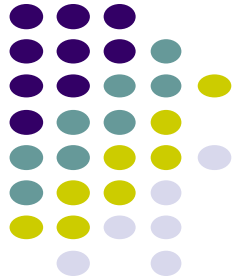
Link to email and phone number

```
<body>
    <a href="mailto:arulvmax@gmail.com">Send Email</a>
    <a href="tel:9944291181">Call</a>
</body>
```

When user click Email, it opens a email client application such as ourlook, gmail app.
When user click the 'Call' link it opens a dialer application(works in smartphone)



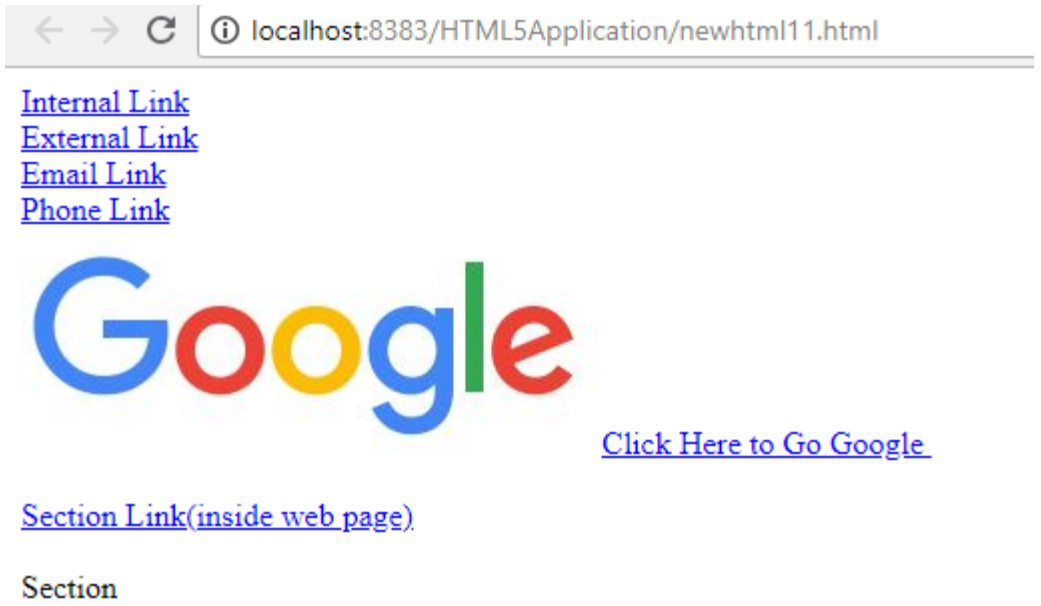
Creating Bookmark Links



- Using id attribute

```
<body>
    <a href="#d4">Content 6</a>  <a href="#d10">Content 10</a>
    <div id='d1'>
        <h1>Content 1: DHTML stands for Dynamic Hypertext Markup lang
         Dynamic HTML is not a markup or programming language but it
    </div>
     <div id='d2'>
        <h1>Content 2: DHTML stands for Dynamic Hypertext Markup lang
         Dynamic HTML is not a markup or programming language but it
    </div>
     <div id='d3'>
        <h1>Content 3: DHTML stands for Dynamic Hypertext Markup lang
         Dynamic HTML is not a markup or programming language but it
    </div>
     <div id='d4'>
        <h1>Content 4: DHTML stands for Dynamic Hypertext Markup lang
         Dynamic HTML is not a markup or programming language but it
    </div>
```

```
<body>
    <a href="abc.html">Internal Link</a> <br>
    <a href="www.flipkart.com">External Link</a> <br>
    <a href="mailto:abc@gmail.com">Email Link</a><br>
    <a href="tel:913349453493">Phone Link</a><br>
    <a href="www.google.com">
        <img src="google.JPG">Click Here to Go Google
    </a><br><br>
    <a href="#section">Section Link(inside web page)</a><br><br>
    <div id="section">Section</div>
</body>
```



HTML Tables

- HTML tables allow web developers to arrange data into rows and columns.
  - The <table> tag defines an HTML table.
  - Each table row is defined with a <tr> tag. Each table column header is defined with a <th> tag. Each table column data/cell is defined with a <td> tag.
  - By default, the text in <th> elements are bold and centered.
  - By default, the text in <td> elements are regular and left-aligned.

Example:

```
<table border="1">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td>Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td>Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td>Rs.50000</td>
    </tr>
</table>
```

th – table heading(**bold** and **center**)

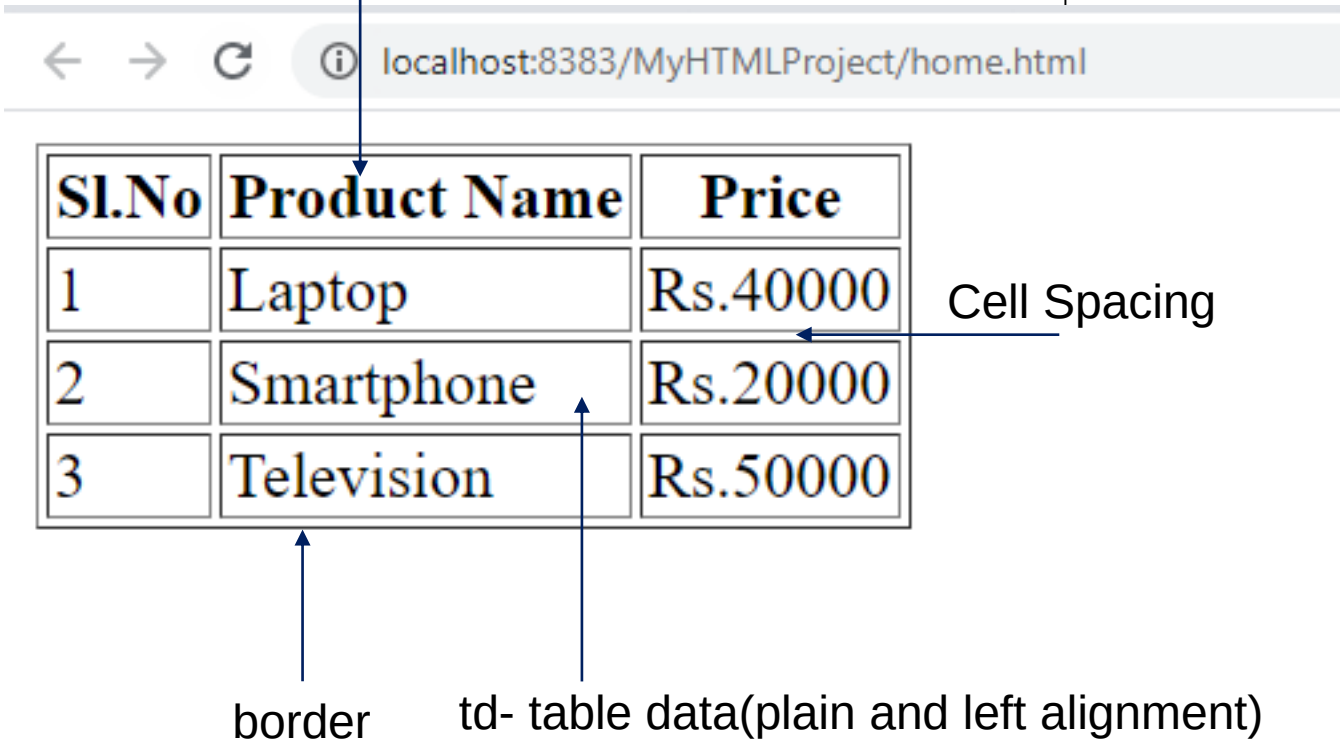


Table Attributes
- width

- **width** – to set the table width in terms of number of pixels or percentage.

```
<table border="1" width="500">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td>Rs.40000</td>
    </tr>
     <tr>
```

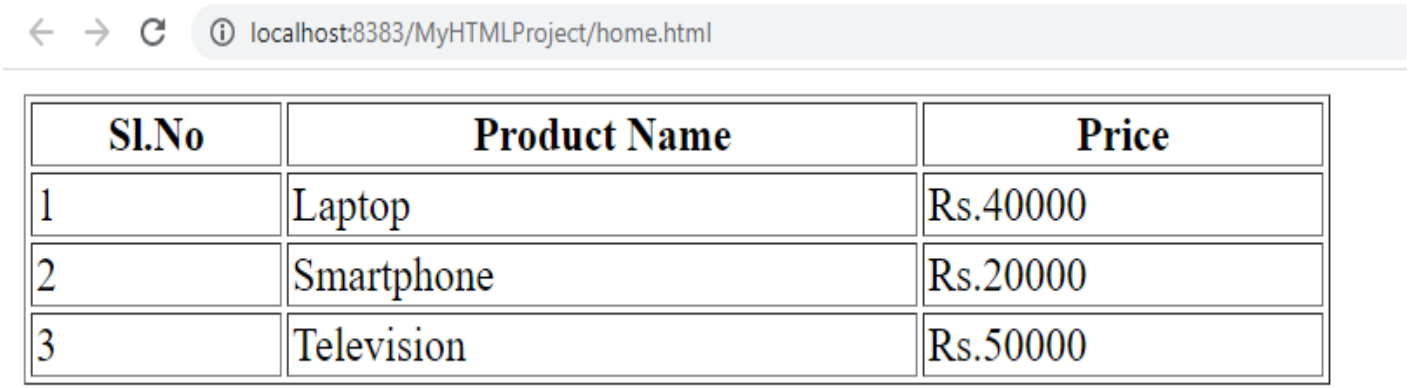


Table Attributes
- width

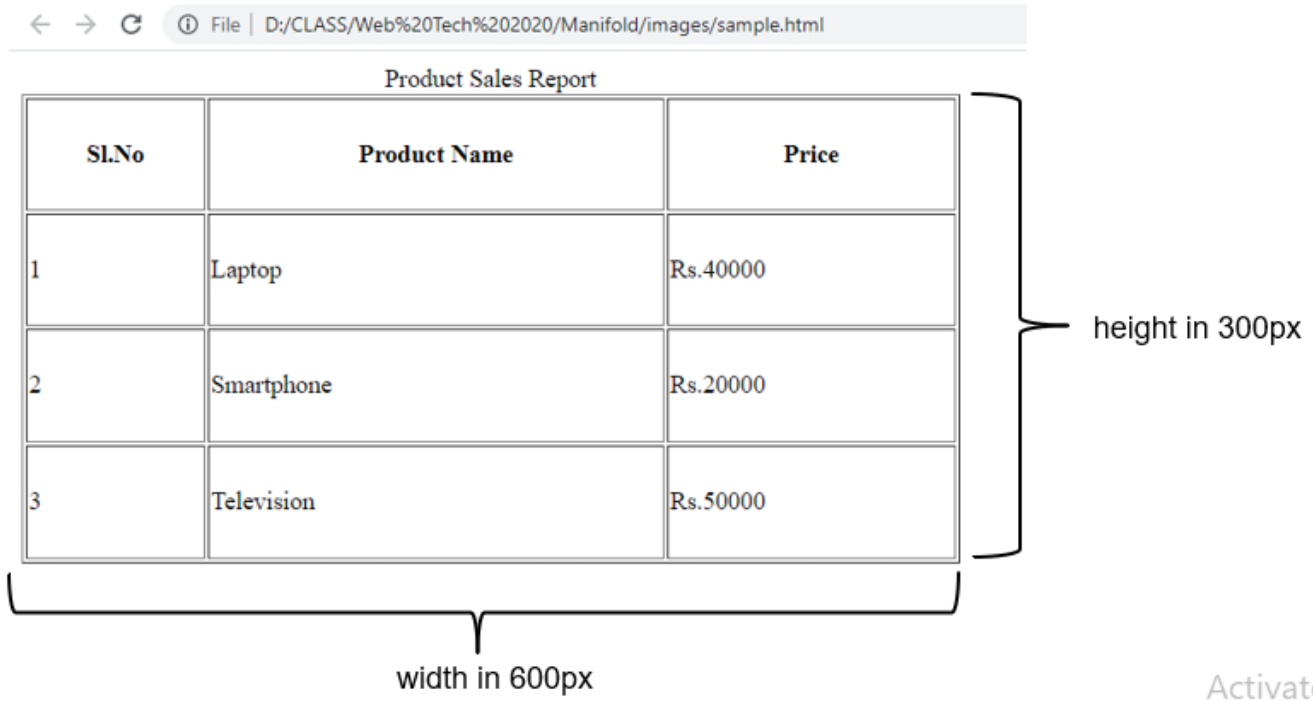
- Creating Full sized table using width=100%

```
<table border="1" width="100%">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td>Rs.40000</td>
    </tr>
     <tr>
```

Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

Changing Height

```
<table border="1" width="600" height="300">
        <caption>Product Sales
Report</caption>
        <tr>
            <th>Sl.No</th>
            <th>Product Name</th>
            <th>Price</th>
        </tr>
…
```



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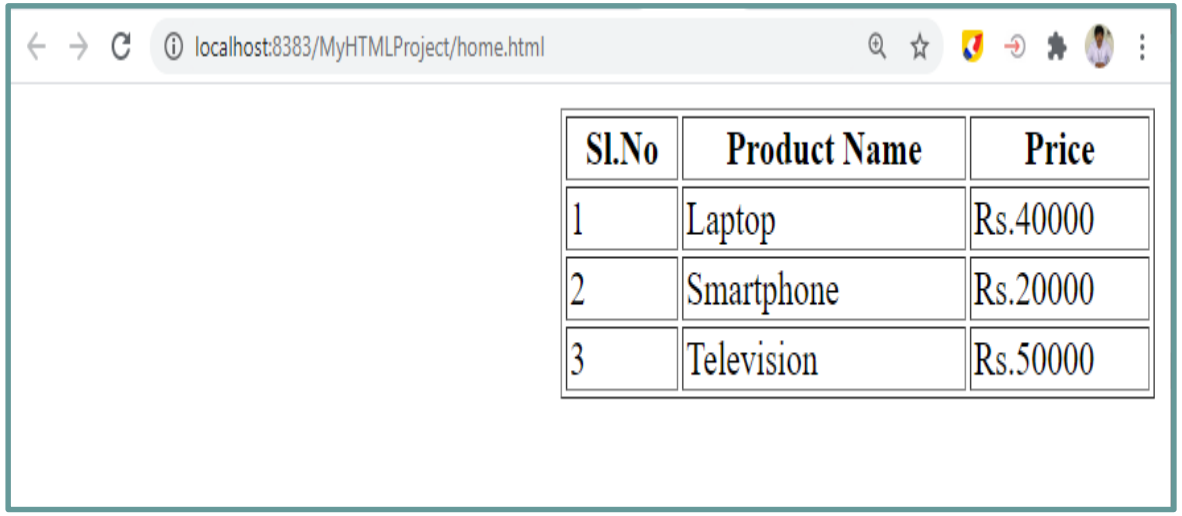
Go to Settin

Table Attributes

- align

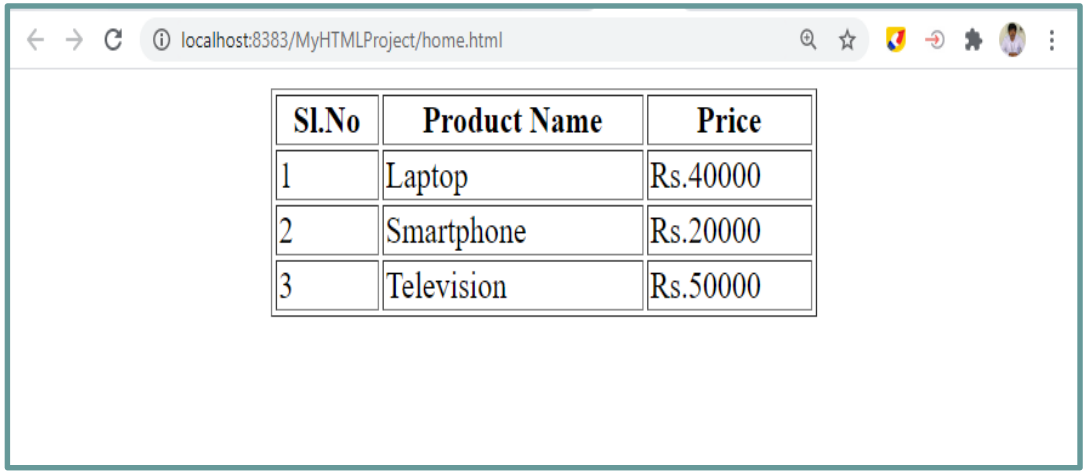
- align – attribute used align the table in left, center or right positions.

```
<table border="1" width="300" align="right">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
```



Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

```
<table border="1" width="300" align="center">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
```

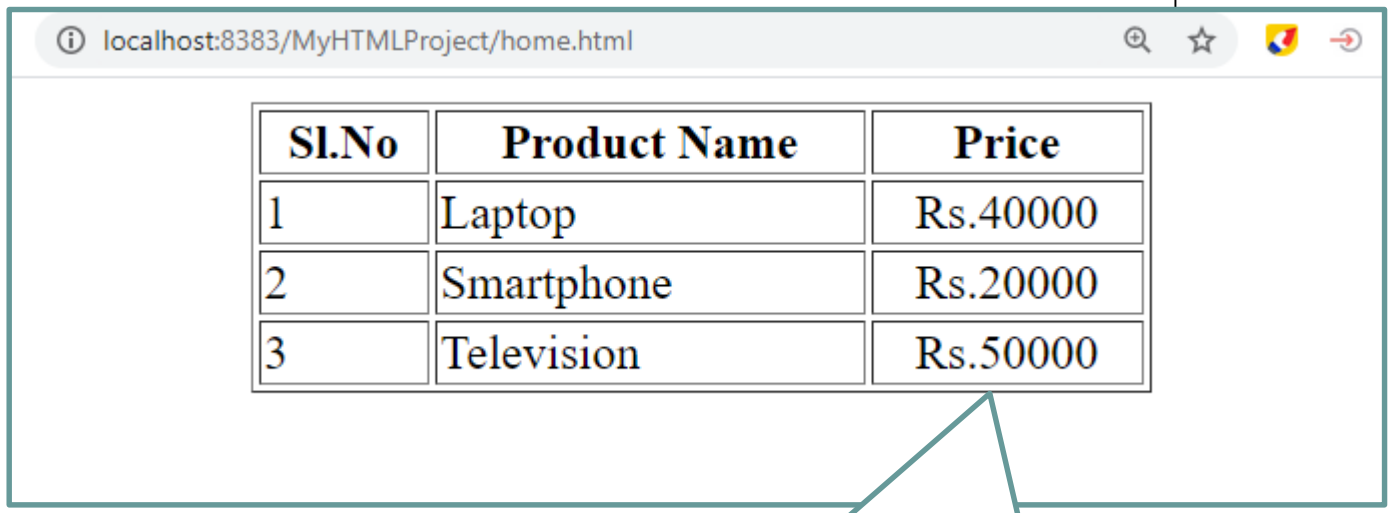


Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

Table Attribute – align

- You can also align the table cell data

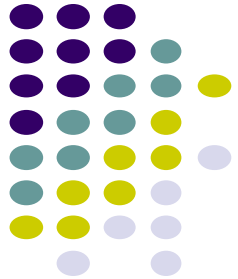
```
<table border="1" width="300" align="center">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td align="center">Rs.50000</td>
    </tr>
</table>
```



Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

Here, you can notice that, the Price cell data alignment changed to center. Same way, you can modify the alignment as left or right also.

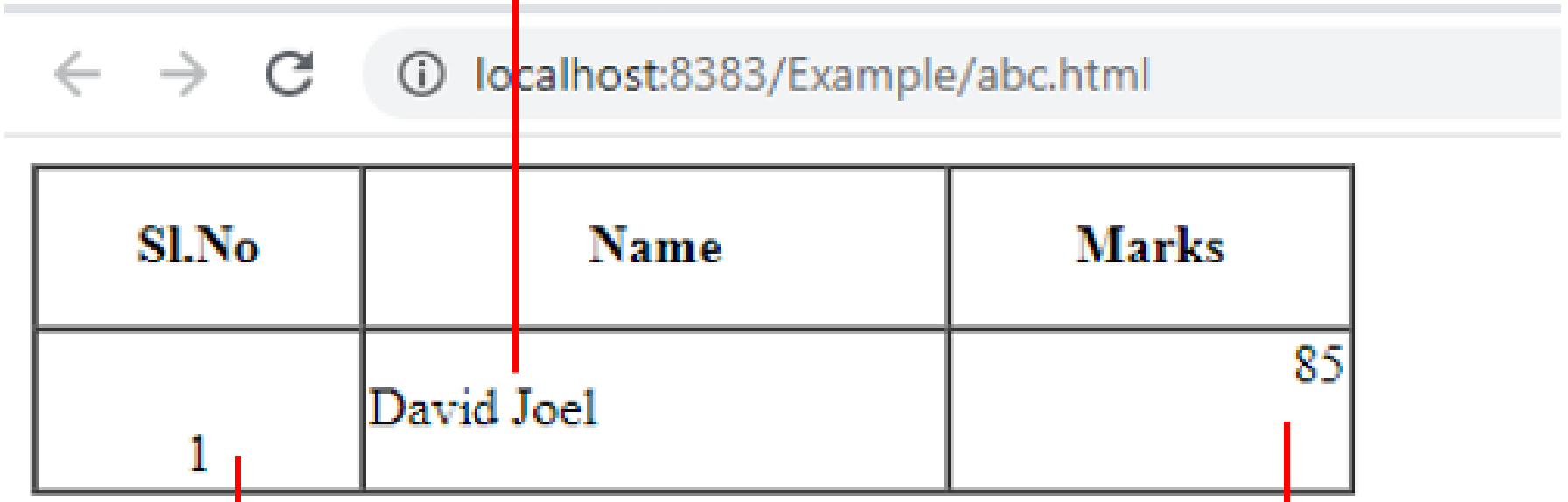
Vertical Alignment



- valign attribute can be used to align the content of a cell vertically as top, middle and bottom.

```
<table border="1" cellspacing="0" width="400" height="100">
            <tr>
                <th>Sl.No</th>
                <th>Name</th>
                <th>Marks</th>
            </tr>
             <tr>
                <td valign="bottom" align="center">1</td>
                <td valign="middle" align="left">David Joel</td>
                <td valign="top" align="right">85</td>
            </tr>
 </table>
```

valign=middle and align=left



valign=bottom and align=center

valign=top and align=right

Row Alignment

- align and valign can be used to align a specific row also

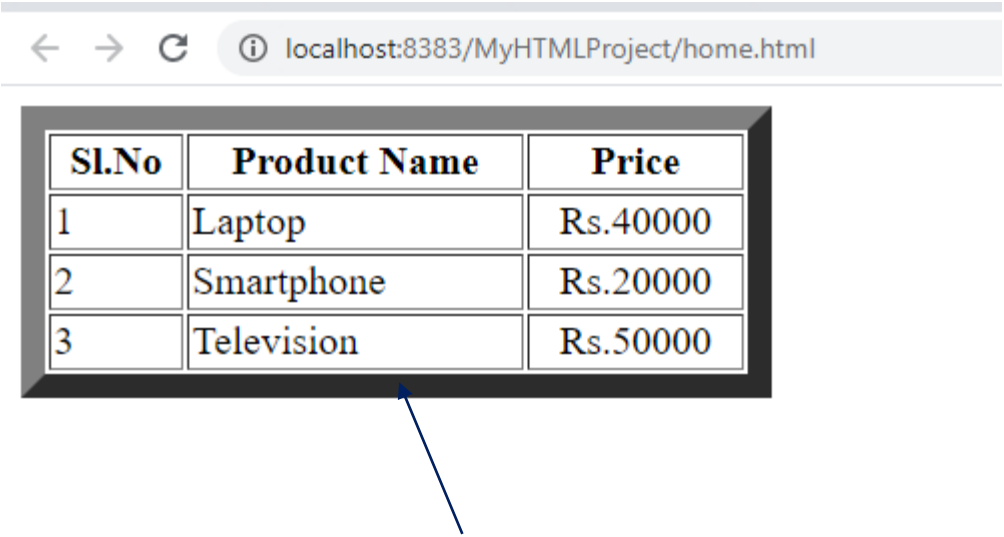
```
<table border="1" width="500" height="200">
            <tr>
                <th>Sl.No</th>
                <th>Product Name</th>
                <th>Price</th>
            </tr>
            <tr align="left" valign="top">
                <td>1</td>
                <td>Laptop</td>
                <td>Rs.40000</td>
            </tr>
            <tr align="center" valign="bottom">
                <td>2</td>
                <td>Smartphone</td>
                <td>Rs.20000</td>
            </tr>
            <tr>
                <td>3</td>
                <td>Television</td>
                <td>Rs.50000</td>
            </tr>
</table>
```

Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

Table Attribute – border

- border attribute is used to set the border of the table in pixels. The default border is 0.

```
<table border="10" width="300">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
```



Border less table

- You can create border less table using border=0 or without specifying the attribute.

```
<table>
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td align="center">Rs.50000</td>
    </tr>
</table>
```

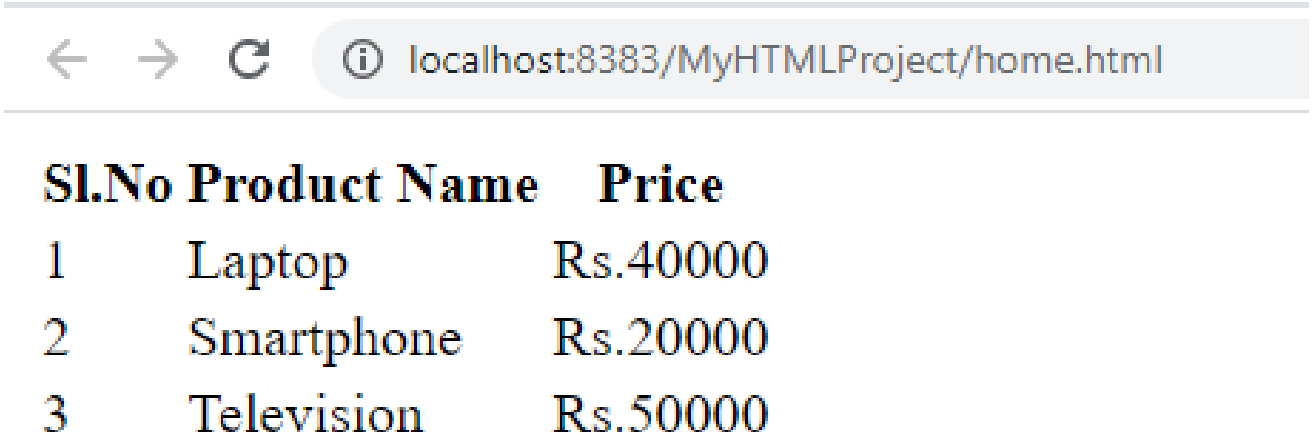


Table Attribute – cellspacing

- The purpose of the HTML cellspacing attribute is to set a spacing between table cells in pixels(default is 1)

```
<table border="1" width="300" cellspacing="10">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td align="center">Rs.50000</td>
    </tr>
</table>
```

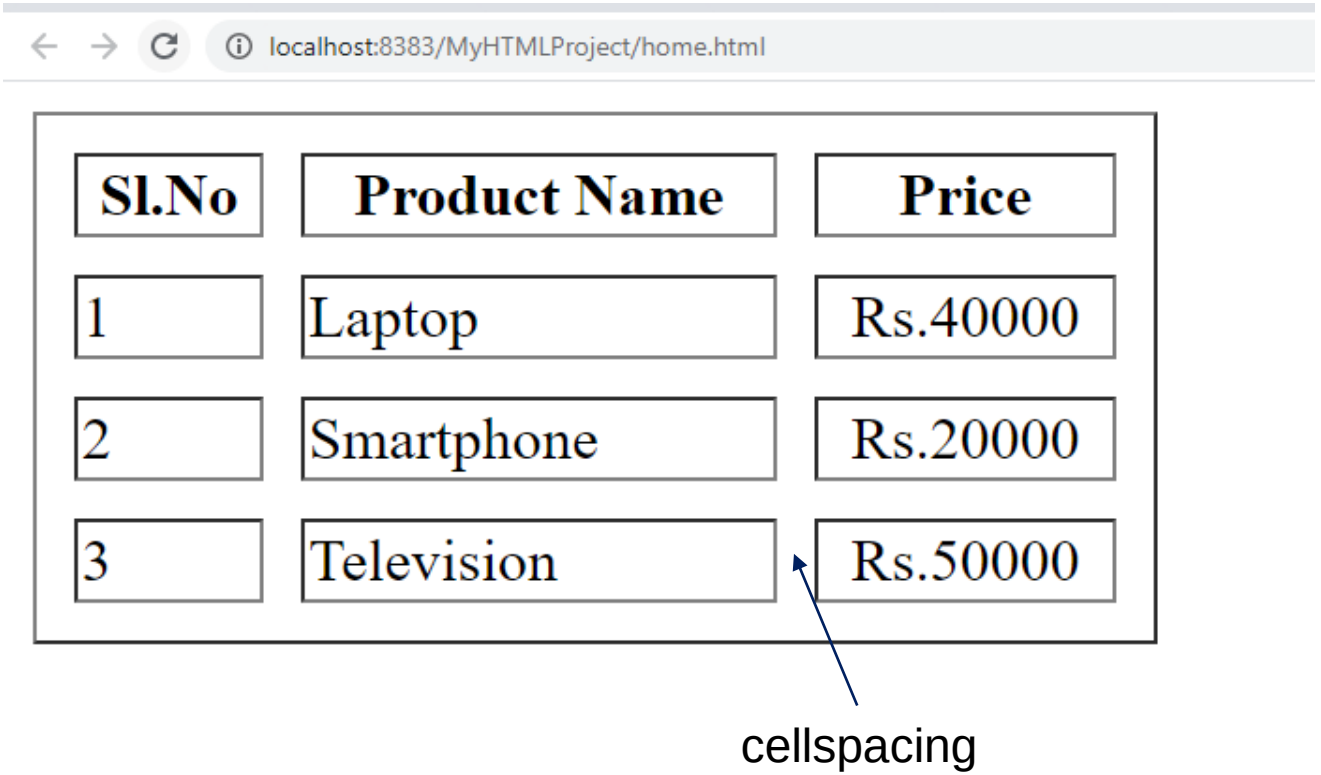
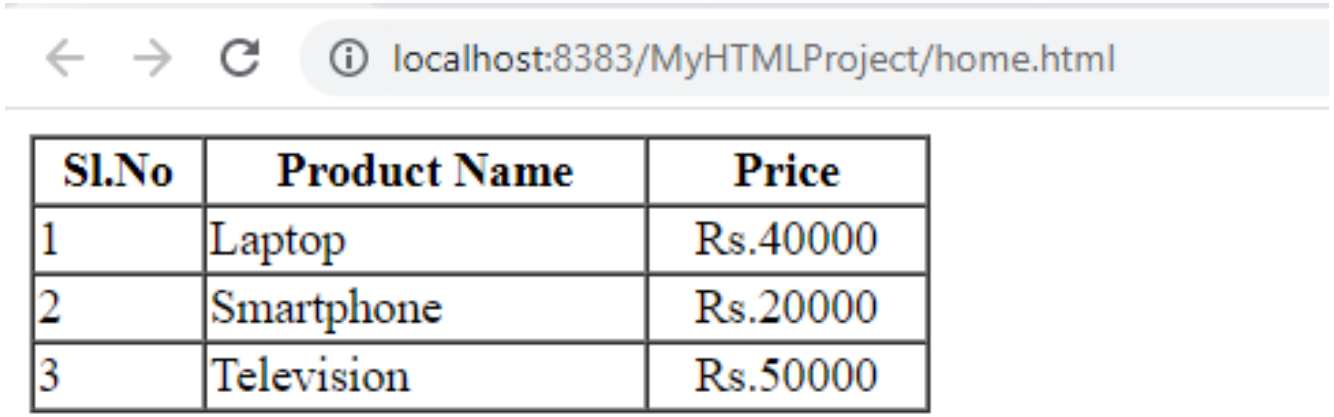


Table Attribute – cellspacing

- To make single border, set cellspacing as 0

```
<table border="1" width="300" cellspacing="0">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td align="center">Rs.50000</td>
    </tr>
</table>
```

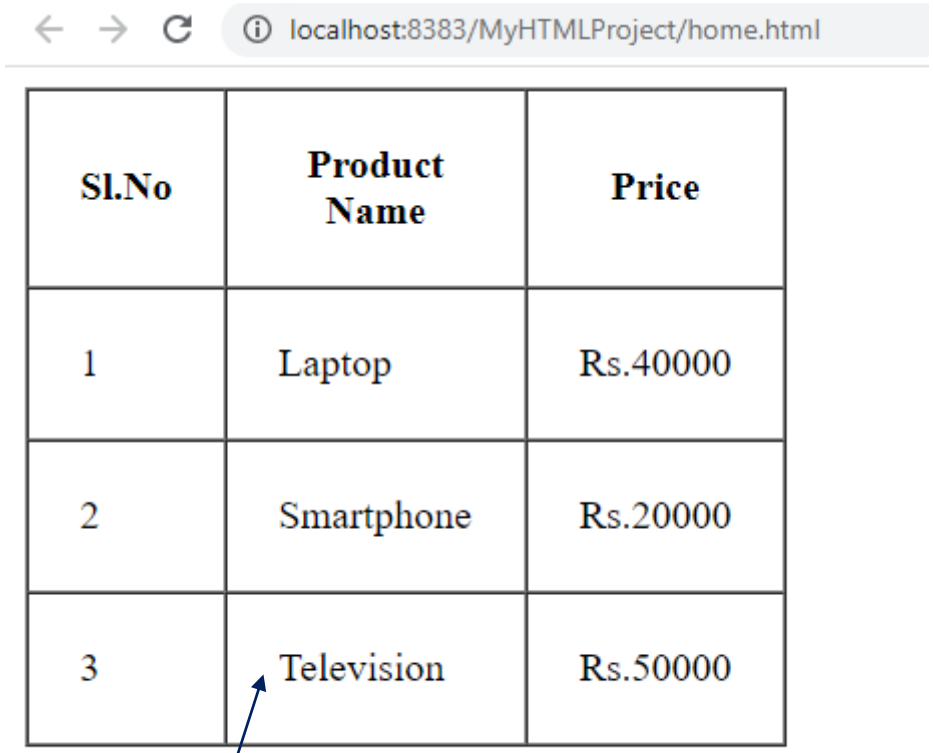


Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000

Table Attribute – cellpadding

- The cellpadding attribute specifies the space, in pixels, between the cell wall and the cell content.

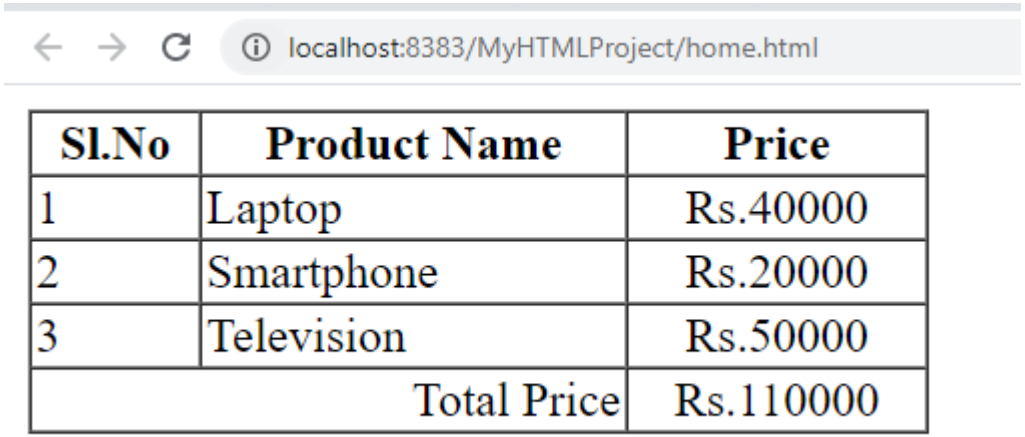
```
<table border="1" width="300" cellspacing="0" cellpadding="20">
    <tr>
        <th>Sl.No</th>
        <th>Product Name</th>
        <th>Price</th>
    </tr>
    <tr>
        <td>1</td>
        <td>Laptop</td>
        <td align="center">Rs.40000</td>
    </tr>
     <tr>
        <td>2</td>
        <td>Smartphone</td>
        <td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td>
        <td>Television</td>
        <td align="center">Rs.50000</td>
    </tr>
</table>
```



<td> Attribute – colspan

- colspan attribute used to merge 2 or more columns.

```
<table border="1" width="300" cellspacing="0">
    <tr>
        <th>Sl.No</th> <th>Product Name</th> <th>Price</th>
    </tr>
    <tr>
        <td>1</td> <td>Laptop</td> <td align="center">Rs.40000</td>
    </tr>
     <tr>
         <td>2</td> <td>Smartphone</td><td align="center">Rs.20000</td>
    </tr>
     <tr>
        <td>3</td> <td>Television</td> <td align="center">Rs.50000</td>
    </tr>
    <tr>
        <td colspan="2" align="right">Total Price</td>
        <td align="center">Rs.110000</td>
    </tr>
</table>
```

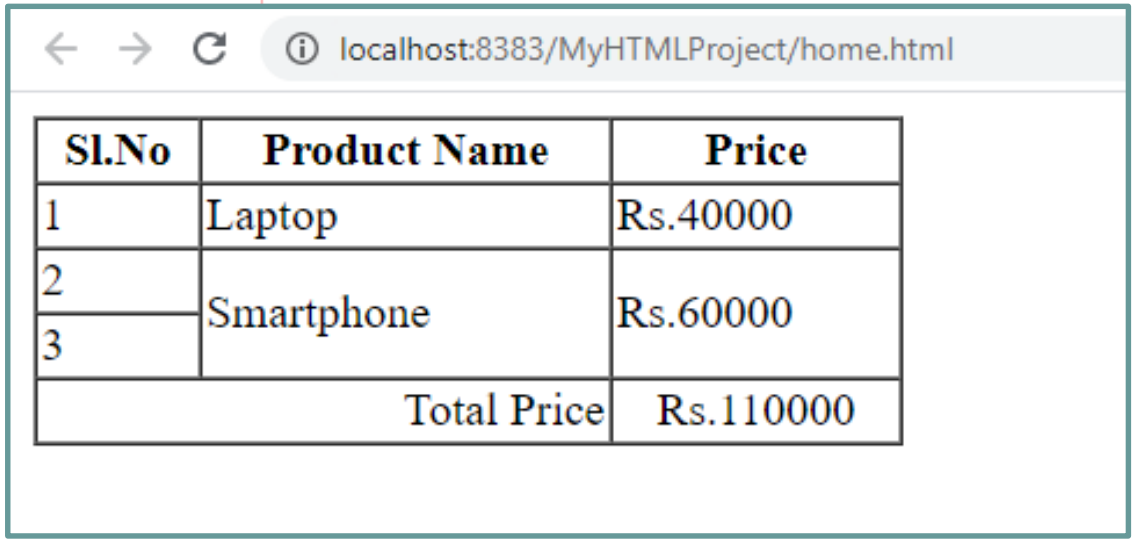


Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.20000
3	Television	Rs.50000
	Total Price	Rs.110000

<td> Attribute – rowspan

- rowspan attribute used to merge 2 or more rows.

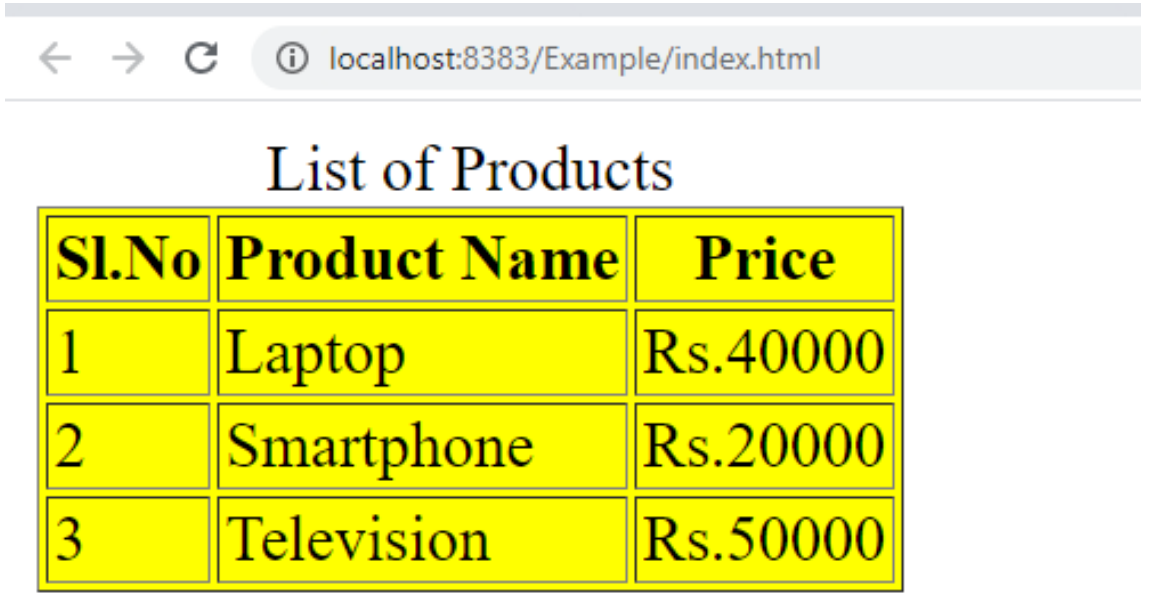
```
<table border="1" width="300" cellspacing="0">
    <tr>
        <th>Sl.No</th> <th>Product Name</th> <th>Price</th>
    </tr>
    <tr>
        <td>1</td> <td>Laptop</td> <td>Rs.40000</td>
    </tr>
     <tr>
         <td>2</td> <td rowspan="2">Smartphone</td><td rowspan="2">Rs.60000</td>
    </tr>
    <tr>
        <td>3</td>
    </tr>
    <tr>
        <td colspan="2" align="right">Total Price</td>
        <td align="center">Rs.110000</td>
    </tr>
</table>
```



Sl.No	Product Name	Price
1	Laptop	Rs.40000
2	Smartphone	Rs.60000
3		
	Total Price	Rs.110000

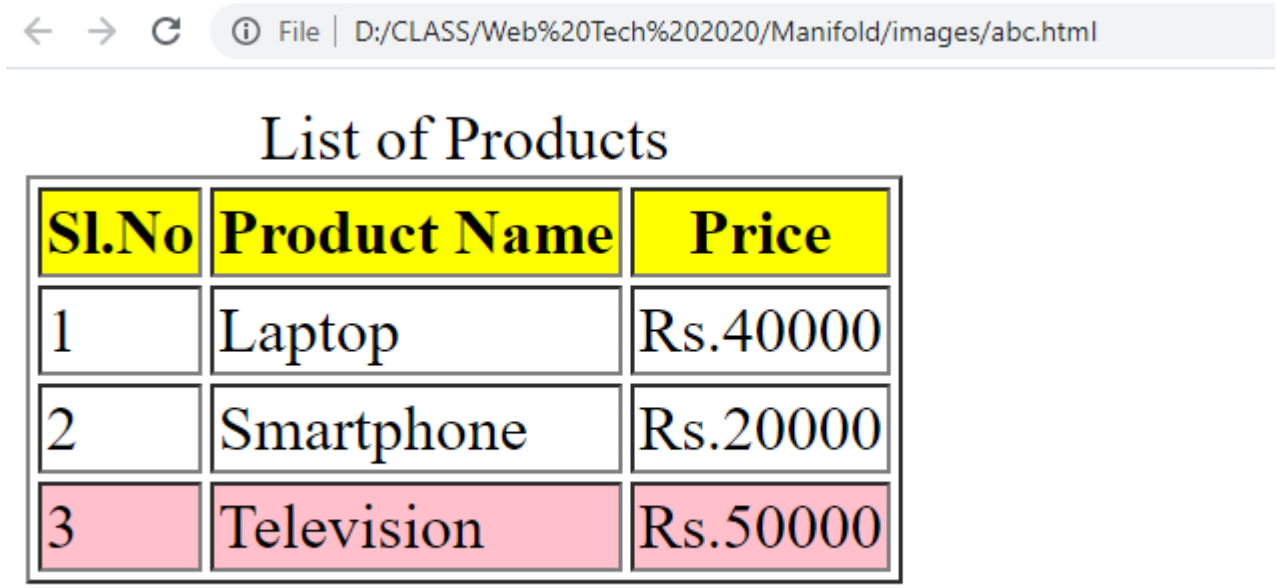
Setting background color for Table

```
<table border="1" bgcolor="yellow">
        <caption>List of Products</caption>
        <tr>
            <th>Sl.No</th>
            <th>Product Name</th>
            <th>Price</th>
        </tr>
        <tr>
            <td>1</td>
            <td>Laptop</td>
            <td>Rs.40000</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Smartphone</td>
            <td>Rs.20000</td>
        </tr>
        <tr>
            <td>3</td>
            <td>Television</td>
            <td>Rs.50000</td>
        </tr>
    </table>
```



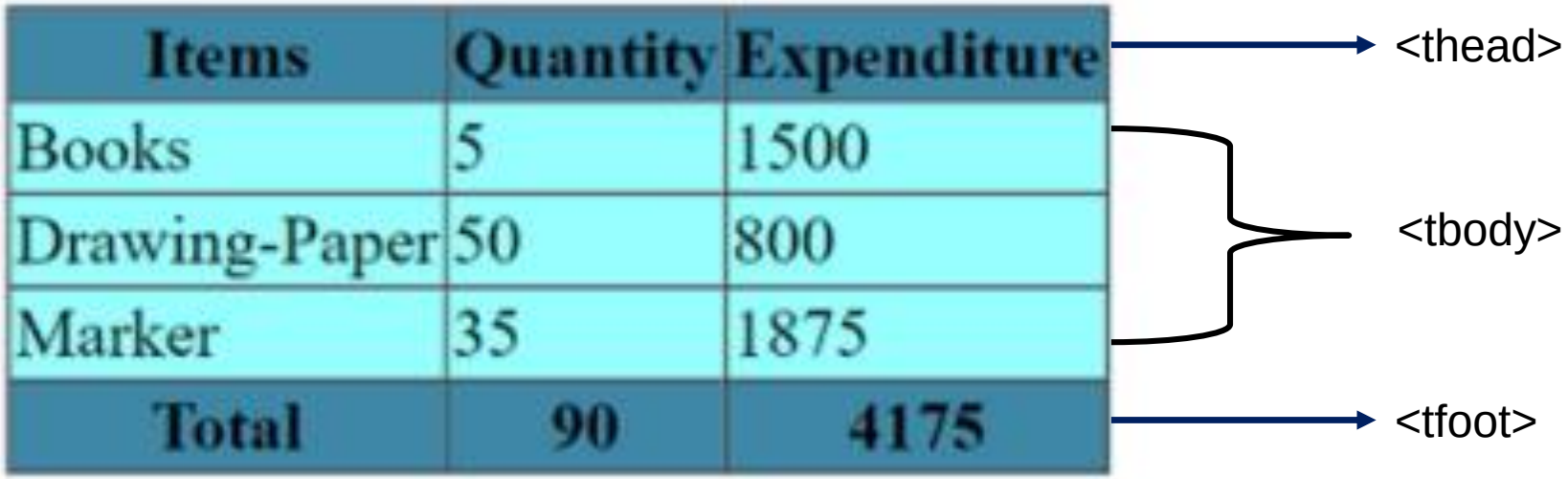
Setting Row background color

```
<table border="1">
    <caption>List of Products</caption>
        <tr bgcolor="yellow">
            <th>Sl.No</th>
            <th>Product Name</th>
            <th>Price</th>
        </tr>
        <tr>
            <td>1</td>
            <td>Laptop</td>
            <td>Rs.40000</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Smartphone</td>
            <td>Rs.20000</td>
        </tr>
        <tr bgcolor="pink">
            <td>3</td>
            <td>Television</td>
            <td>Rs.50000</td>
        </tr>
    </table>
```



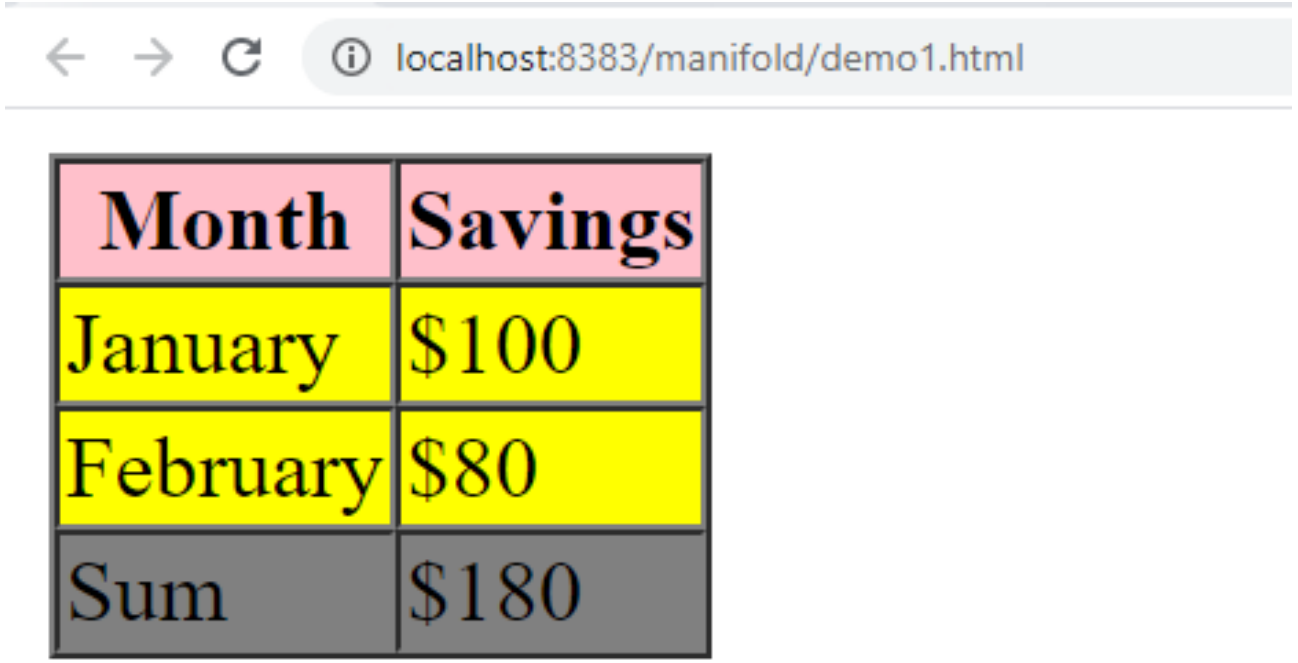
<thead>,<tbody>,<tfoot> tags in Table

- <thead> tag is used to group header content in an HTML table.
- <tbody> tag is used to group the body content in an HTML table.
- <tfoot> tag is used to group footer content in an HTML table.

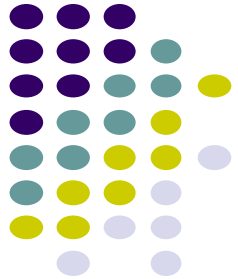


Example:
<thead>,<tbody>,<tfoot>

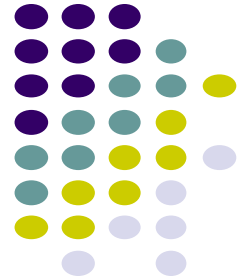
```
<table border="1" cellspacing="0">
        <thead bgcolor="pink">
            <tr>
                <th>Month</th>
                <th>Savings</th>
            </tr>
        </thead>
        <tbody bgcolor="yellow">
            <tr>
                <td>January</td>
                <td>$100</td>
            </tr>
            <tr>
                <td>February</td>
                <td>$80</td>
            </tr>
        </tbody>
        <tfoot bgcolor="gray">
            <tr>
                <td>Sum</td>
                <td>$180</td>
            </tr>
        </tfoot>
</table>
```



Exercise: Create a code for the below design?



<table>
<tr><td>Column 1</td><td>Column 2</td><td>Column 3</td></tr>
<tr><td rowspan="2">Row 1 Cell1</td><td>Row 1 Cell 2</td><td>Row 1 Cell 3</td></tr>
<tr><td>Row 2 Cell 2</td><td>Row 2 Cell 3</td></tr>
<tr><td colspan="3">Row 3 Cell 1</td></tr>
</table>



Thank You