



Bharathidasan University

Centre for Differently Abled Persons

Tiruchirappalli - 620024.

- Programme Name : Bachelor of Computer Applications

Course Code : 20UCA1CC1

Course Title : Computer Fundamentals and
Internet Applications & HTML

- Unit : Unit IV

- Compiled by : **Dr. M. Prabavathy**
Associate Professor

Ms. M. Hemalatha
Guest Faculty





HTML : TABLE



HTML Tables

- A Table helps to arrange data in the form of rows and columns.
- In HTML, <table> tag is used to create table.
- A table element can contain another <table> element, <TR>, <TD> and <TH>.
- <TR> element defines a table row, <TD> defines a table cell and <TH> defines the table header.
- A data cell can contain text, images, lists, paragraphs, forms, horizontal rules, tables, etc.

<td></td>	<td></td>	<td></td>	<td></td>
<td></td>	<td></td>	<td></td>	<td></td>
<td></td>	<td></td>	<td></td>	<td></td>
<td></td>	<td></td>	<td></td>	<td></td>

Code/Output

```
<html>
  <head>
    <title> My Web Page </title>
  </head>
  <body topmargin="100">
    <table border="2" cellspacing="10" cellpadding="10" bgcolor="cyan" width="70%">
      <tr> <th>Name</th> <th>Marks</th> </tr>
      <tr> <td>Ashish</td><td>56</td> </tr>
      <tr> <td>Rajat</td> <td>88</td> </tr>
      <tr> <td>Meena</td> <td>67</td> </tr>
      <tr> <td>Sonam</td> <td>78</td> </tr>
    </table>
  </body>
</html>
```

Name	Marks
Ashish	56
Rajat	88
Meena	67
Sonam	78

Rowspan and Colspan in Table

- Rowspan- This attribute of <td> tag specifies the number of rows; a cell should span.
- Colspan- This attribute of <td> tag specifies the number of columns; a cell should span.
- For Example, <td Rowspan= "4"> means, this cell will take the space of four rows and <td Colspan= "4"> means, this cell will take space of four columns

COLSPAN="4"		
ROWSPAN="3"		

Code/Output

```
<table>
  <thead>
    <tr>
      <td colspan="3" align="center">STUDENT RECORD</td>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td rowspan="3">MCA</td>
      <td>Name</td>
      <td>Marks</td>
    </tr>
    <tr>
      <td>Ashish</td>
      <td>5</td>
    </tr>
    <tr>
      <td>Ajay</td>
      <td>8</td>
    </tr>
  </tbody>
</table>
```

STUDENT RECORD		
MCA	Name	Marks
	Ashish	5
	Ajay	8

HTML Header

- Tables can be divided into three portions – a header, a body, and a foot.
- The head and foot are remain the same for every page
- The body is the main content holder of the table.
- The three elements for separating the head, body, and foot of a table are –
 - <thead> – to create a separate table header
 - <tbody> – to indicate the main body of the table
 - <tfoot> – to create a separate table footer



Example

```
<table border = "1" width = "100%">
<thead>
<tr> <td colspan = "4">This is the head of the table</td> </tr>
</thead>
<tfoot>
<tr>      <td colspan = "4">This is the foot of the table</td> </tr>
</tfoot>
<tbody>
<tr>
<td>Cell 1</td>      <td>Cell 2</td>
<td>Cell 3</td>      <td>Cell 4</td>
</tr>
</tbody>
</table>
```

This is the head of the table

Cell 1

Cell 2

Cell 3

Cell 4

This is the foot of the table

Table Attributes

S.NO.	ATTRIBUTE	USAGE
1	BORDER	It specifies the width of border. BORDER="0" means NO BORDER
2	BGCOLOR	It specifies the background colour of the table.
3	CELLSPACING	It specifies the space between the cell border and cell content.
4	CELLPADDING	It specifies the space between two cells
5	WIDTH	It specifies the width of the table.

Table Background Color

- Bgcolor - Set background color for whole table or just for one cell
- Background - Set background image for whole table or just for one cell
- Bordercolor - Set border color

Example

```
<table border = "1" bordercolor = "green" bgcolor = "yellow">
  <tr>
    <th>Column 1</th>
    <th>Column 2</th>
    <th>Column 3</th>
  </tr>
  <tr>
    <td rowspan = "2">Row 1 Cell 1</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>
```

- This will produce the following result

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

Example

```
<table border = "1" bordercolor = "green" background =  
"/images/test.png">  
<tr>  
<th>Column 1</th>  
<th>Column 2</th>  
<th>Column 3</th>  
</tr>  
<tr>  
<td rowspan = "2">Row 1 Cell 1</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>
```

- This will produce the following result

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		



HTML - LIST

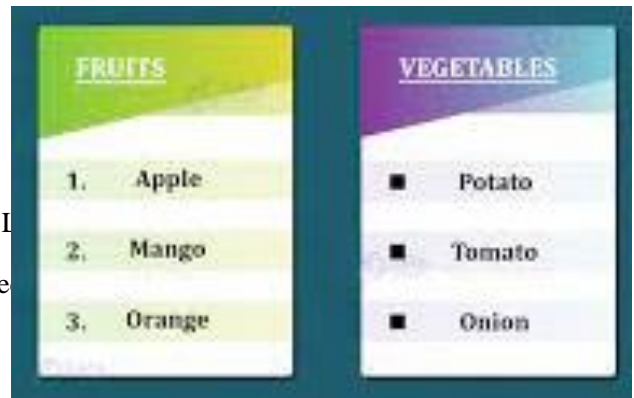


Unit - IV – HTML - Tags

HTML Lists

- List element `` is used to create a list of items
- List can be of two types:

- (i) Ordered List
- (ii) Unordered List



Ordered Lists

- This type of List can be used when ordered of items in the list is important
- It can be created using `` tag
- Each list item starts with the `` tag
- This attribute is used to set the numbering type of the list
 - Type= "1"
 - Type= "A"
 - Type= "I"



Unordered Lists

- This type of list is used when order of items in the list is not important
- In unordered list, type attribute is used to set the type of bullet
- It can be created using tag
- Each list item starts with the tag
- Type Attribute of Unordered List

○ type= "disc"

○ type= "circle"

○ Type= "square"

```
<html>
<head>
  <title> My Web Page </title>
</head>
<body topmargin="100">
  <h1>unordered List </h1>
  <ul type="circle">
    <li>wheat</li>
    <li>Rice</li>
    <li>Sugar</li>
    <li>Coffee</li>
  </ul>
  <h1>ordered List</h1>
  <ul type="A">
    <li>Sunday</li>
    <li>Monday</li>
    <li>Tuesday</li>
    <li>Wednesday</li>
  </ul>
</body>
</html>
```





HTML - LINKS



HTML Links

- A Hyperlink is an element to link a web page to another web page, any file, or some other portion of the same web page
- <a > anchor tag is used to create hyperlink
- A link can be any text or an image
- Whenever you point that hyperlink, your mouse pointer will be changed to a hand symbol

```
<html>
<head>
<title> Document with two links </title>
</head>

Hello, this is my
<a href="URL of your first name file"> first name </a>
and
<a href="URL of your last name file"> last name </a>

</body>
</html>
```

do not type in verbatim

do not type in verbatim

This text will be highlighted when displayed

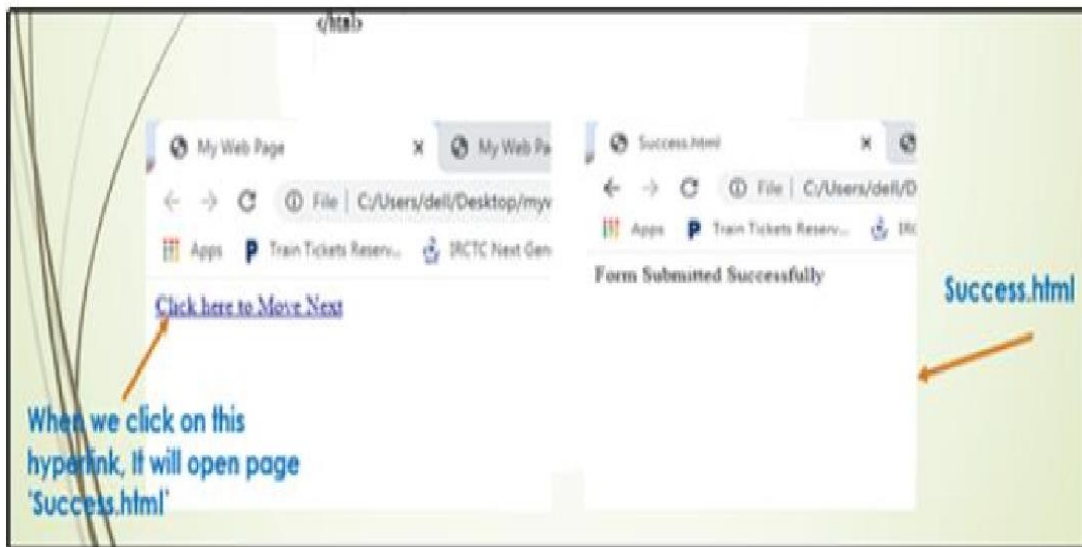


The target attribute is used to specify the location where linked document is opened

- `_blank` - Opens the linked document in a new window or tab
- `_self` - Opens the linked document in the same frame
- `_parent` - Opens the linked document in the parent frame

Example

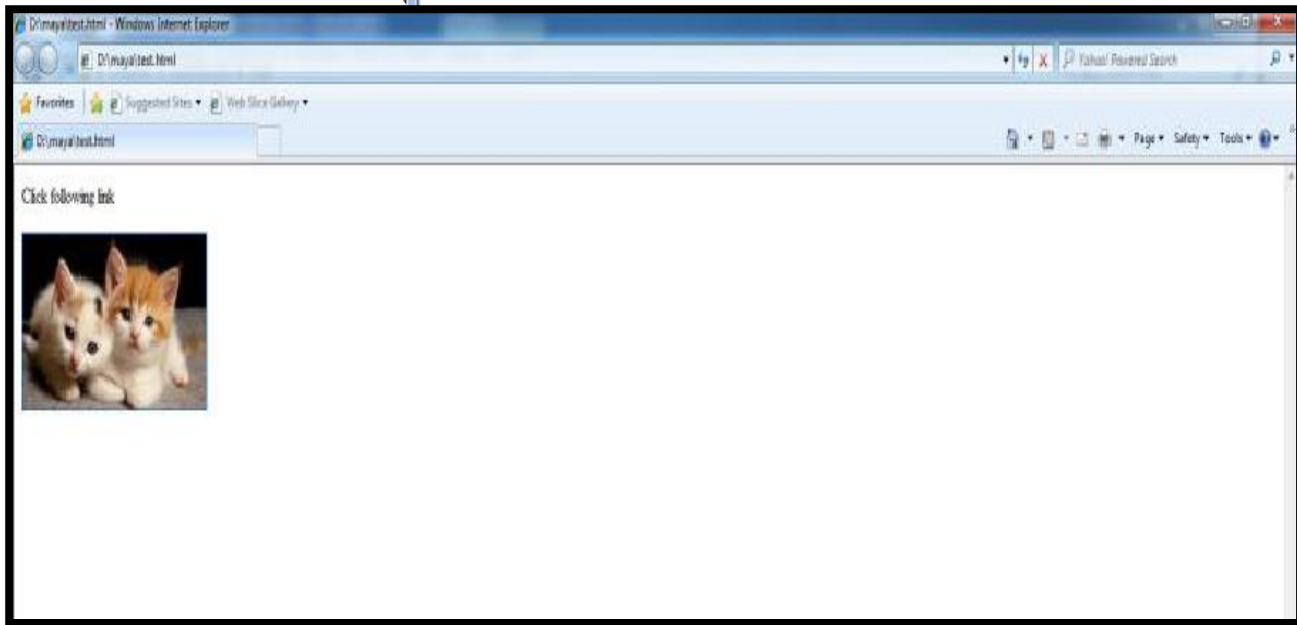
```
mywebpage - Notepad
File Edit Format View Help
<html>
  <head>
    <title> My web Page </title>
  </head>
  <body>
    <!-- Use of Hyperlink-->
    <a href="Success.html"> Click here to M
  </body>
</html>
```



Link using image

- Use an image inside hyperlink at the place of text
- Example

```
Untitled - Notepad
File Edit Format View Help
<body>
  <p>Click following link</p>
  <a href = "d://maya/cat.jpg" >
    <img src = "d:/maya/cat.jpg" border = "1"/>
  </a>
</body>
```



Linking Email

- HTML `<a>` tag provides you option to specify an email address to send an email.
- While using `<a>` tag as an email tag, you will use `mailto: email address` along with `href` attribute
- Syntax: `Send Email`
- This will produce the following result



Send Email

