

Web Technologies and Programming Lecture 09

Tables in HTML

Summary of the previous lecture

- Adding images to web page
- Using images as links
- Image map
- Adding video to web page
- Adding audio o web page

Outline

- How to create tables
- Page lay-out using tables

- Tables display information in rows and columns
- Tables are commonly used to display all manner of data that fits in a grid such as train schedules, television listings, financial reports etc.

- An HTML table consists of the element and one or more elements like
- •
- <
- >
- Tables are divided into table rows with the
 tag.
- Table rows are divided into table data with the tag.
- A table row can also be divided into table headings with the tag.

In HTML tag is used to start a table while
 tag indicates the end of the table

```
Table Structure
```

- tag starts a row of the table and
 the row
- is used to create a cell inside the row while

The contents of the cell are written between
 and
 td> tags

• tag is used to declare the cell of the heading row of the table

An HTML Table with a Border Attribute

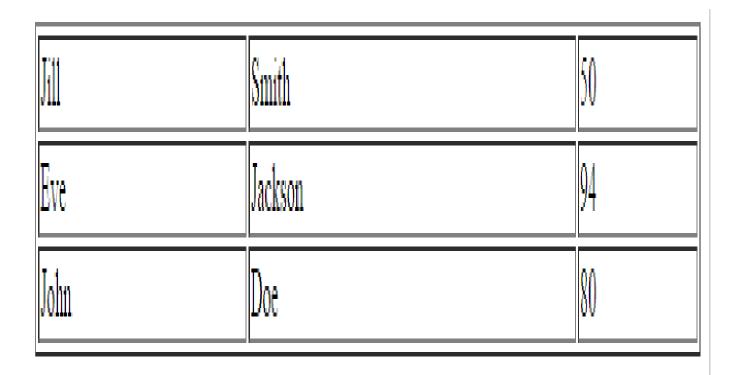
• If you do not specify a border for the table, it will be displayed without borders.

A border can be added using the border attribute:

```
 Name 
 Registration No. 
Ali
FA13-BCS-001
```

Name	Registration No.
Ali	FA13-BCS-001

```
<!DOCTYPE html>
< html>
<body>
Jill
 Smith
 50
\langle tr \rangle
 Eve
 Jackson
 94
<
 John
 Doe
 80
</body>
</html>
```



1.1 Table Attributes

- Table level attributes
- Row level attributes
- Cell level attributes

- The Border Attribute: Indicates the presence of the border around the table
 - -
- The align Attribute:
 - -
 - Other values for align are
 - » Center
 - » Left
 - » right

- The bgcolor Attribute: sets the background color of the table
 - -
- The background Attribute: sets the specified image at the background of the table
 - -

The height and width Attributes:

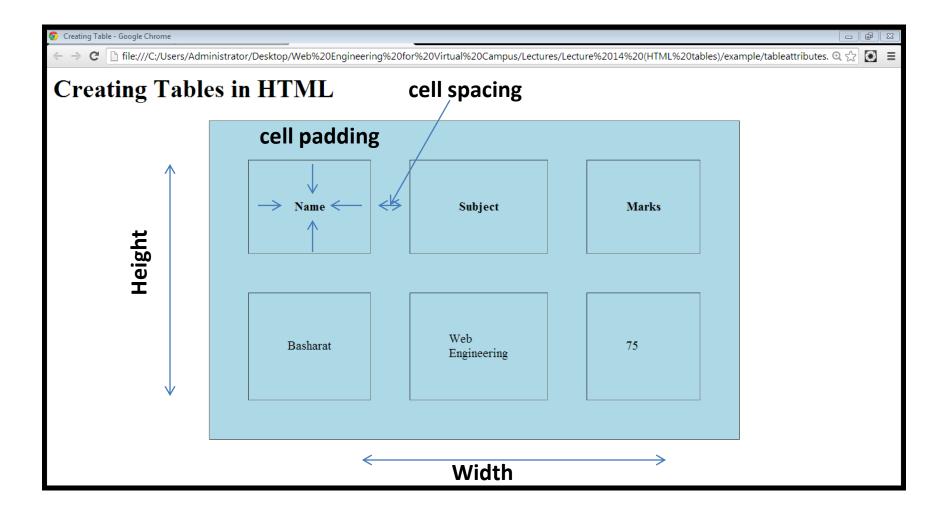
- The cellpadding Attribute:
 - The cell padding attribute is used to create a gap between the edges of a cell and its contents
 - -

The height and width Attributes:

- The cellspacing Attribute:
 - The cellspacing attribute is used to create a space between the borders of each cell

```
tableattributes - Notepad
<h+m1>
<head>
<title> Creating Table </title>
</head>
<body>
<h1>Creating Tables in HTML</h1>

Name
Subject
Marks
```



Differences Between HTML 4.01 and HTML5

```
The "align", "bgcolor", "cellpadding", "cellspacing", "frame", "rules", "summary", and "width" attributes are not supported in HTML5.
```

1.1.2 Row level attributes

The align Attribute:

Aligns content of the row

- —
- The bgcolor Attribute:

Apply background color to row

- The background Attribute:

Adds image as the background of row

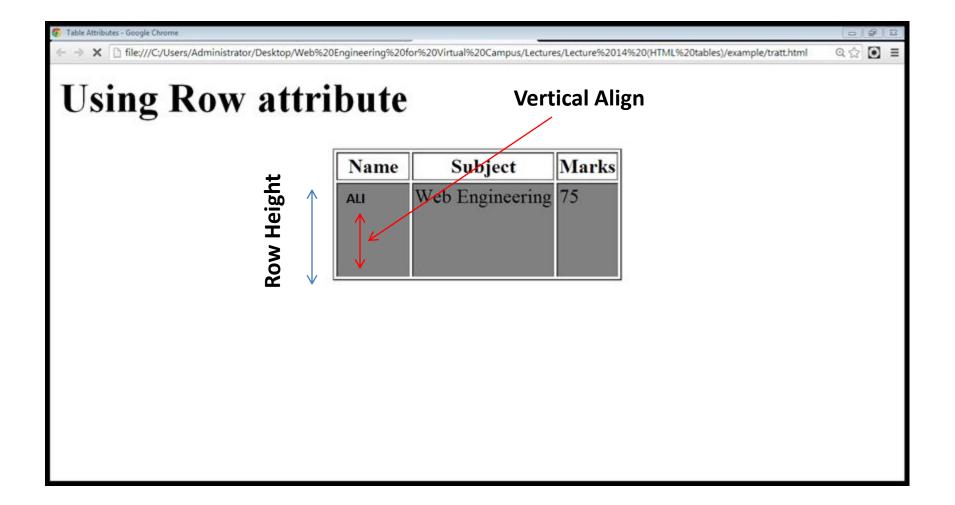
1.1.2 Row level attributes

- The height Attributes:
- Change height on table row
 - -
- The width Attributes:
- Change width of the row
 - -
- The valign Attributes:
- Changes row vertical alignment

1.1.2 Row level attributes...

```
<h1>Using Row attribute</h1>
Name
Subject
Marks
<tr height="75" algin="center" valign="top"
bgcolor="gray">
Basharat
Web Engineering
75
</body>
```

1.1.2 Row level attributes...



1.1.3 Cell level attributes

- The align Attribute:
 - -
- The bgcolor Attribute:
- The height and width Attributes:
- The valign Attributes:

1.1.3 Cell level attributes

- The rowspan Attributes:
- used when a cell should span across more than one rows

- The colspan Attribute:
- used when a cell should span across more than one column

1.1.3 Cell level attributes...

```
Name
Subjects
OOP
DB
ALi
75
80
```

Name	Subjects	
	ООР	DB
ALi	75	80

1.2 Creating HTML tables Caption

An HTML Table With a Caption

 To add a caption to a table, use the <caption> tag:

1.2 Adding caption to the table

- <aption> tag is used to add a caption of the table
- We usually add caption before the first row of the table

1.2 Creating HTML table caption

- An HTML Table With a Caption
- To add a caption to a table, use the <caption> tag:

1.2 Creating HTML tables Caption

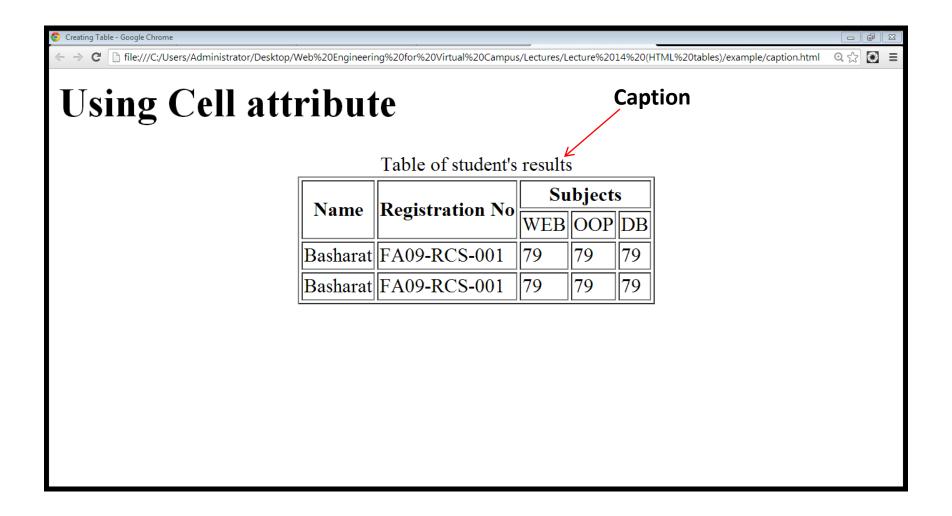
Example

```
<caption>Monthly savings/caption>
Month
January
```

1.2 Adding caption to the table...

```
caption - Notepad
<html>
<head>
<title> Creating Table </title>
</head>
<body>
<h1>Using Cell attribute</h1>
<caption>Table of student's results</caption>
Name
Registration No
Subjects
WEB
00P
```

1.2 Adding caption to the table...



1.3 Creating HTML tables - id attribute

A Special Style for One Table

To define a special style for a special table, add an **id** attribute to the table:

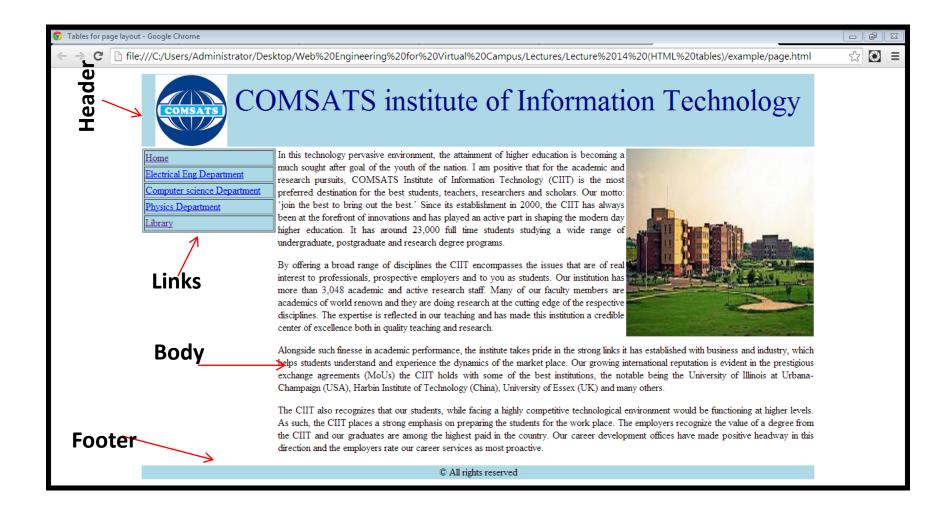
1.3 Creating HTML tables - id attribute

A Special Style for One Table

Example

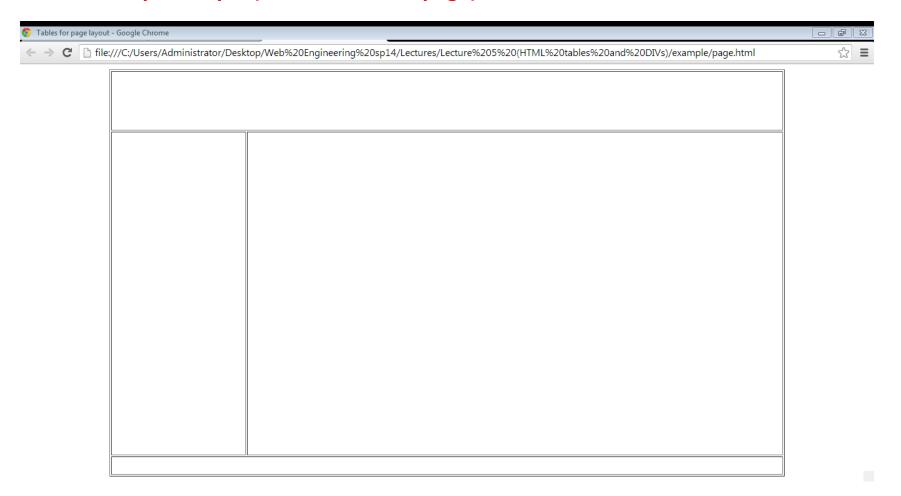
```
Firstname
Lastname
Points
Eve
Jackson
94
```

 We can use tables to define the structure of the web page



```
File Edit Format View Help
  </head>
  <body>
  <table border="1" height="100%" width="80%"
                                align="center">
Header
   
   
                       Body and links
   
  Footer
    colspan="2"> 
  </body>
  </html>
              Example: Step 1 (Structure of the page)
```

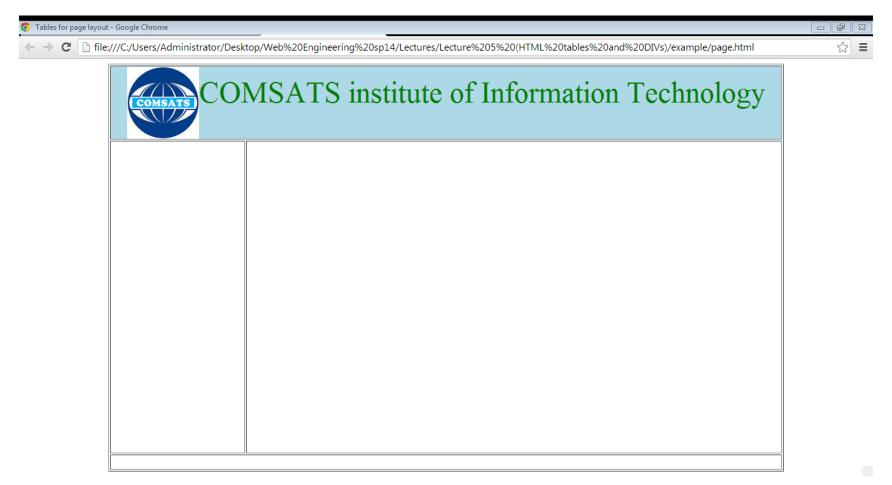
Example: Step 1 (Structure of the page)



Example: Step 2 (Header section)

```
</head>
<body>
<u><t</u>r height="15%">

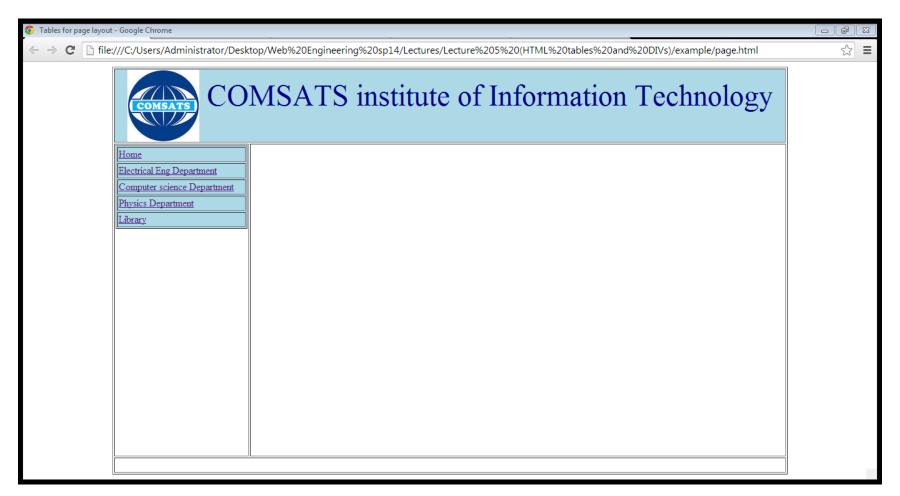
<font color="green" size="7">
<img src="comsats.jpg" align=Middle>
                               Adding Logo
COMSATS institute of Information Technology
</font>
Title
```



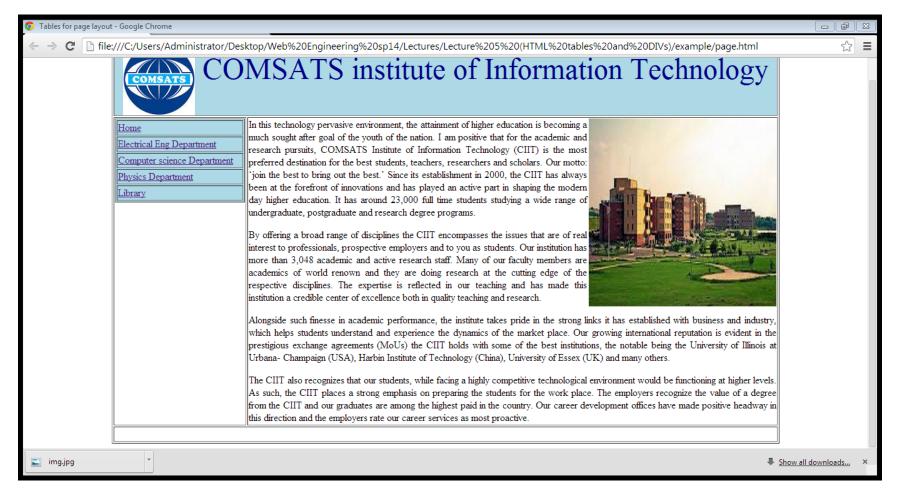
Example: Step 2 (Header section)

```
<a href="page.html">Home</a>
<a href="http://ww3.comsats.edu.pk/ee/">Electrical
<a href="http://ww3.comsats.edu.pk/cs/">Computer science
    href="http://ww3.comsats.edu.pk/phy/">Physics Departme
<a
<a href="page.html">Library</a>
```

Example: Step 3 (Links section)



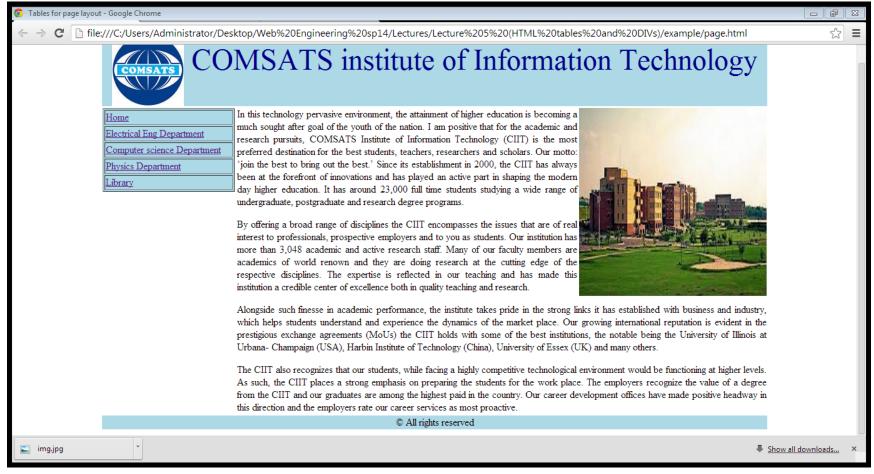
Example: Step 3 (Links section)



Example: Step 4 (body section)

```
File Edit Format View Help
Alongside such finesse in academic perform
align="justify">
The CIIT also recognizes that our students, while facing a hi
&copy All rights reserved
</body>
</html>
```

Example: Step 5 (footer section)



Example: Step 5 (footer section)

Summary

- Use the HTML element to define a table
- Use the HTML
 element to define a table row
- Use the HTML element to define a table data
- Use the HTML element to define a table heading
- Use the HTML <caption> element to define a table caption
- Use the CSS border property to define a border
- Use the CSS padding property to add padding to cells
- Use the CSS text-align property to align cell text
- Use the CSS border-spacing property to set the spacing between cells
- Use the colspan attribute to make a cell span many columns
- Use the rowspan attribute to make a cell span many rows
- Use the id attribute to uniquely define one table

Summary

- Creating tables in HTML
- Table attributes
 - Table level attributes
 - Row level attributes
 - Cell level attributes
- Page lay-out using tables

THANK YOU