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Website Designin



Predict the output for the following code segment.

```
chtml>
chody>
col type = I start = 4>
cli> Kilobytes
cli> Megabytes
cli> Gigabytes
cli> Terabytes
cli> Col>
chtml>
```

LEARN

You will learn about:

Creating a table in HTML

TASK

You need to design a web page for Activity Studio. Create a table with the name of the coaches and timings for each activity organised during the summer vacation. A tabular representation will help the students take a quick glance at the name of the coaches and timing of their classes.

CREATING A TABLE IN HTML

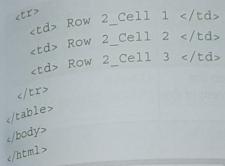
Tables are used to arrange and organize content. You have already learnt to create Tables are used to arrange and organized Data can also be displayed in a tabular edit and format tables in Microsoft Word. Data can also be displayed in a tabular format in HTML. To create tables in HTML, the following tags are used.

Table 8.1 Tags used to create tables in HTML

Description
It creates the structure of a table.
It sets a column heading in a table. The contents of the heading are displayed in bold.
It creates a row in a table.
It stores data in a cell. It can contain HTML elements such as text, images, lists and other tables. The default alignment of cell contents is left but can be changed using the align attribute.
It gives the caption or title to a table. It must be inserted immediately after the tag. A table should have no more than one caption.

Code 1: Create a table.

```
<!--- Create a Table -->
 Column1 Header 
   Column3 Header 
   Row 1 Cell 1 
   Row 1 Cell 2 
   Row 1 Cell 3
```



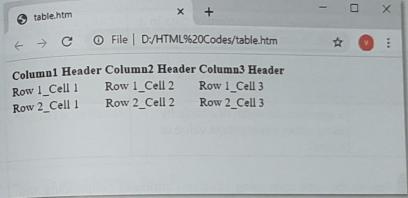


Fig. 8.1 Output

Did you notice that the table created does not have a border?

ATTRIBUTES OF TAG

 tag defines a table in an HTML document. The attributes of tag are listed in Table 8.2.

Table 8.2 tag attributes

Attribute	Description	Example
bgcolor	It sets background colour of the table.	"#ff0000">
border	It specifies the width of the border of the table. If the border attribute is not specified, the table will be displayed without any border. Also, border equal to zero means no border.	

Attribute

It specifies the space between the

colour name.

It specifies the spaces between the

cells that is the width of the cell

border. It is also in pixels.

<table align=

"left">

cell. It is given in pixels.

specifying either the colour code or

Description

Observe the space between the edge of the cell and the content of the cell.

8. Change the cellspacing to 20.

align

using either a percentage value or a

It specifies the height of a table by

table. It can be left, right or center. It specifies the alignment of data in a

width

a pixel.

using either a percentage value or It specifies the width of a table by

ctable border = "3" cellpadding="20" cellspacing= "20"

<table width="200",

Observe the space between the cells.

Code 2: Rewrite the same code using attributes cellpadding and

crusico chedo chedo	der de la Coll I elle de de la Coll I elle de la	Office of the Court of the Cour	ODY OTO Calumat sender UPS OTO Calumat sender UPS OTO Calumat sender UPS UPO	cratic barder - "3" religandings" all callinguisting "5":	c)— creeting ratios — r	I	Distriction Service	cellspacing.
						12	×	

Fig. 8.2 Code



default, table headings are bold and centre

- 0 x

Columni Header	Column2 Header	Column3 Header
Row J_Cell 1	Row 1_Cell 2	Row L_Cell 3
Bow 7 Call I	Runy 2_Cell 2	Row 2_Cell 3

Fig. 8.3 Output

Code 3: Change the alignment of the table.

Observe the output, the table is aligned to the right of the web page. align ="right"> To change the alignment of the table add align attribute to the code: cellpadding="20" cellspacing=

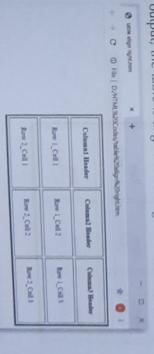


Fig. 8.4 Output

In order to change the width
of the cells, add the width
attribute to the code snippet:
<table border = "3"
cellpadding="20"
cellspacing= "5"align
="center" width

Compare the width of the cells with the cells of the previous table, the width of the table changed.

="300">

			1	0
			1	O table width.htm
			Q	Width
			. 0	M
Row 2_Cell 1	Row 1_Cell 1	Column1 Header	File DJHTML%	×
Row 2_Cell 2	Row 1_Cell 2	Column2 Header	C @ File D/HTML%20Codes/fable%20width.htm	+
Row 2_Cell 3	Row 1_Cell 3	Column3 Header	Owidth.htm	
			*	,

Fig. 8.5 Output

Code 5: Change the height of the cells in a table.

Add the height attribute in the code:

Table height.htm

40

O File | D:/HTML%20Codes/table%20heigh...

*



Fig. 8.6 Output

ACTIVITY 2

A. What will be the output if the Cellpadding and Cellspacing attribute of table are not used in the code?

β. Open notepad file.

Add a table in the Activity Studio page. You can use the following code snippet:

ctable border= "1" cellpadding="15" cellspacing= "5" align=
"center">

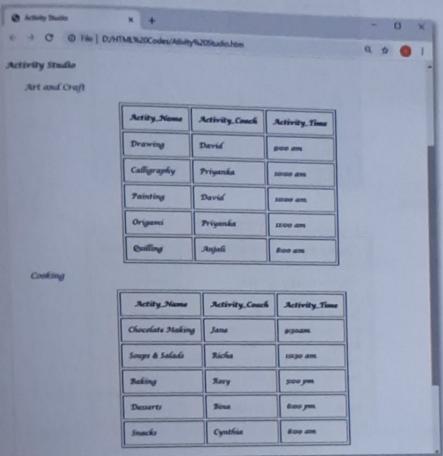
Actity Name

Activity_Coach

Activity_Time

```
Priyanka 
 11:00 am 
Quilling 
 Anjali 
 8:00 am 
<dd>  Cooking 
"center">
 Actity Name 
 Activity Coach 
  Activity Time 
«/tr>
 Chocolate Making 
 Jane 
 9:30am 
Soups & Salads 
  Richa 
 10:30 am 
 Baking 
  Rosy 
 > 5:00 pm
```

You may add more activities by adding rows in the table. The table will look like as shown below:



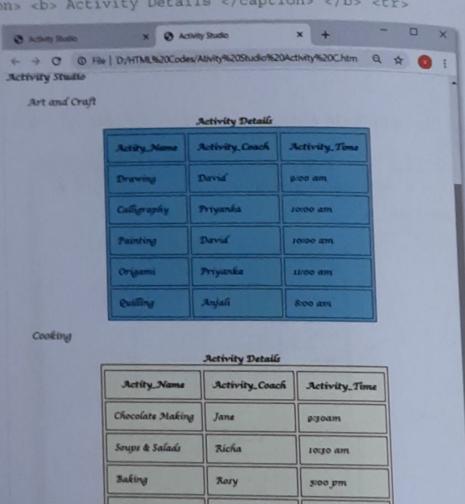
C. Add background colour, border colour and caption to the table as given in the following code snippet:

For Art and Craft:

<caption> Activity Details </caption>

For Cooking:

<caption> Activity Details </caption>



Bina

Cynthia

6100 pm

8:00 am

Desserts

Snacks

RECAP

- a stable > tag defines the structure of the table.
- a the tag defines a header cell in a table.
- tag defines a row in a table.
- a deb tag defines a cell in a table.

CHECKLIST

Ma to show whether you have understood these terms or need help.

Term	I got it!	I need help!
		The state of the s
de .		
e attributes		

ASSESS

A Fill in the blanks with the help of the given words.

Caption Width Cellpadding ...

- 1. The tag to start a table is
- 2. The tag is used to give the title to a table.
- attribute of tag specifies the width of a table by using either a percentage value or a pixel.
- 4. tag gives a column heading in a table.
- 5. is an attribute of the tag to set the distance between the cell content and the boundary.

☐ Tick (✓) the correct answer.

- 1. Which tag adds a row to a table?
 - 2 (0)
- b. an
- c.
- d. <trows>

- 2. The tag that stores data in a cell.
 - a. <1d>...</1d>
 - c ...

- b. <10...<10
- d. <able>...</able>

EXTEND

You have learnt to merge cells in Microsoft Word and Microsoft Excel. How do you think you can merge cells in HTML?

Following attributes of
 andwill further enhance the presentation of the table

Attribute	Description	Example
<colspan></colspan>	Merges the cells of a column(s) in a table. It is used inside the and it is used inside the td> tags.	
<rowspan></rowspan>	Merges the cells of a row(s) in a table. It is used inside the and tags. Value is the number of rows to be merged.	
<thead></thead>	Groups the header content in a table.	<colspan>; <rowspan>; bgcolor; align</rowspan></colspan>
<tfoot></tfoot>	Groups the footer content in a table.	<colspan>; <rowspan>; bgcolor; align</rowspan></colspan>

Open the Activity Studio project. In the table Activity Studio Details, add a table header. Centre align the content and highlight the rows.

Consider the following code snippet.

```
David 
9:00 am 
4/CID
 calligraphy 
Priyanka 
10:00 am 
Painting 
David 
10:00 am 
</17>
origami 
Priyanka 
 11:00 am 
 c/tr>
 Quilling 
 Anjali 
  8:00 am 
<dd>  Cooking 
 Batch 5 
 </thead>
```

```
 Actity_Name 
  Activity Coach 
  Activity Time 
 (tr)
  Chocolate Making 
  Jane 
 9:30am 
  Soups & Salads 
  Richa 
 > 10:30 am 
 >
  Baking 
  Rosy 
 > 5:00 pm 
  Desserts 
  Bina 
  6:00 pm 
  Snacks 
 Cynthia 
 8:00 am
```

C File | D:/HTML%20Codes/Ativity%20Studio.htm

art and Craft

Botch 3					
Actity_Name	Activity_Coach	Activity_Time			
Drawing	David	9:00 am			
Calligraphy	Priyanka	10:00 am			
Painting	David	10:00 am			
Origami	Priyanka	11:00 am			
Quilling	Anjali	8:00 am			

cooking

Batch s					
Actity_Name	Activity_Coach	Activity_Time			
Chocolate Making	Jane	9:30am			
Soups & Salads	Richa	10:30 am			
Baking	Rosy	5:00 pm			
Desserts	Bina	6:00 pm			
Snacks	Cynthia	8:00 am			