Table, Position & Overflow Property

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Akash Technolabs

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Table

- The look of an HTML table can be change with CSS.

- Table Borders

- To specify table borders in CSS, use the border property.

Example

- table, th, td

{

 border: 1px solid black;

}

- <table>

 <tr>

<th>Firstname</th>

<th>Lastname</th>

 </tr>

<tr>

Cont...

```
<td>Akash</td>
    <td>Padhiyar</td>
 </tr>
 <tr>
    <td>Akash</td>
    <td>Technolabs</td>
 </tr>
</table>
```

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Collapse Table Borders

- The border-collapse property use to collapse border.
- <u>**Example :-**</u>

- table, td, th

{

 border: 1px solid black;

border-collapse: collapse;

}

- <table>

  <tr>

   <th>Firstname</th>

   <th>Lastname</th>

  </tr>

   <tr>

```
<td>Akash</td>
    <td>Padhiyar</td>
  </tr>
  <tr>
    <td>Akash</td>
    <td>Technolabs</td>
  </tr>
</table>
```

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Table Width and Height

- Width and height of a table are defined by the width and height properties.

- **Example :-**

- table {

width: 100%;

 }

table, td, th {

border-collapse: collapse;

border: 1px solid black;

 }

th {

height: 50px;

 }

Cont...

- ```
  <table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
  </tr>
   <tr>
    <td>Akash</td>
    <td>Padhiyar</td>
  </tr>
  <tr>
    <td>Akash</td>
    <td>Technolabs</td>
  </tr></table>
  ```

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Horizontal Alignment

- The text-align property sets the horizontal alignment (like left, right, or center) of the content in <th> or <td>.

- <u>**Example :-**</u>

- table {

  width: 100%;

  }

table, td, th {

  border: 1px solid black;

border-collapse: collapse;

}

th {

  text-align: right;

  }

Cont...

- <table>

  <tr>

    <th>Firstname</th>

    <th>Lastname</th>

  </tr>

  <tr>

    <td>Akash</td>

    <td>Padhiyar</td>

  </tr>

  <tr>

    <td>Akash</td>

    <td>Technolabs</td>

  </tr></table>

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Vertical Alignment

- The vertical-align property sets the vertical alignment (like top, bottom, or middle) of the content in <th> or <td>.

- <u>**Example :-**</u>

- table {

width: 100%;

 }

table, td, th {

border: 1px solid black;   border-collapse: collapse;

}

td {

 height: 50px;

vertical-align: bottom;

 }

Cont...

- `<table>`
  `<tr>`
    `<th>Firstname</th>`
    `<th>Lastname</th>`
      `</tr>`
  `<tr>`
    `<td>Akash</td>`
    `<td>Padhiyar</td>`
  `</tr>`
  `<tr>`
    `<td>Akash</td>`
    `<td>Technolabs</td>`
  `</tr>` `</table>`

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Hoverable Table

- Use the :hover selector on <tr> to highlight table rows on mouse over.

- <u>**Example :-**</u>

- table {

 width: 100%;

 }

table,th,td {

padding: 10px;

border:1px solid red;

border-collapse: collapse;

 }

tr:hover{

 background-color:red;

 }

Cont...

- <table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    </tr>
  <tr>
    <td>Akash</td>
    <td>Padhiyar</td>
  </tr>
  <tr>
    <td>Akash</td>
    <td>Technolabs</td>
  </tr> </table>

Firstname	Lastname
Akash	Padhiyar
Akash	Technolabs

Position

- The position property specifies the type of positioning method used for an element.

- static
- relative
- fixed
- absolute
- sticky

Static Positioning

- A static positioned element is always positioned according to the normal flow of the page.

- HTML elements are positioned static by default.

- Static positioned elements are not affected by the top, bottom, left, right, and z-index properties.

Example

- ```html
  <html>
    <head>
    </head>
    <body>
      <div style = "position: static; padding: 16px;
                  border: 1px solid red;">
        This div has relative positioning.
      </div>
    </body>
  </html>
  ```

Output

This div has relative positioning.

Relative Positioning

- Relative positioning changes the position of the HTML element relative to where it normally appears.

- So "left:20" adds 20 pixels to the element's LEFT position.

- You can use two values *top* and *left* along with the *position* property to move an HTML element anywhere in the HTML document.
  - Move Left - Use a negative value for *left*.
  - Move Right - Use a positive value for *left*.
  - Move Up - Use a negative value for *top*.
  - Move Down - Use a positive value for *top*.

Example

- ```html
  <html>
    <head>
    </head>
    <body>
      <div style = "position:relative; left:50px; top:5px; background-color:blue;">
        This div has relative positioning.
      </div>
    </body>
  </html>
  ```

Output

This div has relative positioning.

Absolute Positioning

- An element with position: absolute is removed from the normal document flow.

- It is positioned automatically to the starting point (top-left corner) of its parent element.

- If it doesn't have any parent elements, then the initial document <html> will be its parent.

Example

- <html>
  <head>
  </head>
  <body>
      <div style = "position:absolute; left:80px; top:20px;
                  background-color:blue;">
      This div has absolute positioning.
      </div>
  </body>
  </html>

Output

This div has absolute positioning.

Fixed Positioning

- Fixed positioning allows you to fix the position of an element to a particular spot on the page, regardless of scrolling.

Example

- `<html>`
  `<head>`
  `</head>`
  `<body>`
     `<div style = "position:fixed; left:80px; top:20px;`
        `border:1px solid yellow;">`
    This div has fixed positioning.
   `</div>`

   `</body>`
  `</html>`

Output

This div has fixed positioning.

Overlapping Elements

- When elements are positioned, they can overlap other elements.

- Use z-index properties at that time…

Example

- img {
position: absolute;
left: 0px;
top: 0px;
z-index: -1;
}

- <h1>This is a heading</h1>

<img src="pic4.jpg" style="width: 350px; height: 150px;">

<p>Because the image has a z-index of -1, it will be placed behind the text.</p>

Overflow

- CSS Overflow

- Normal div without overflow properties

- **Example :-**

- div {

border: 2px solid gray;

width: 300px;

 height: 150px;

}

Cont...

- <div>

This is paragraph
 This is paragraph
This is paragraph
 This is paragraph
 This is paragraph
This is paragraph
This is paragraph
This is paragraph
This is paragraph
This is paragraph
This is paragraph
This is paragraph
</div>

This is paragraph
This is paragraph
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This is paragraph
This is paragraph

CSS Overflow Example 2

- Normal div with overflow properties

- <u>**Example :-**</u>

- div {

overflow: scroll;

border: 2px solid gray;

width: 300px;

height: 150px;

}

Cont...

- `<div>`

This is paragraph`<br />`
This is paragraph`<br />`
This is paragraph`<br />`
This is paragraph`<br />`
This is paragraph`<br />`
This is paragraph`<br />`
This is paragraph`<br />`
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This is paragraph`<br />`
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This is paragraph`<br />`
`</div>`

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