

4) Margins :

1) Margin

* They are used to create space around elements outside of any defined border -

* Property $\left\{ \begin{array}{l} \rightarrow \text{Margin - Top} \\ \rightarrow \text{Margin - left} \end{array} \right.$

$\left\{ \begin{array}{l} \rightarrow \text{Margin - Right} \\ \rightarrow \text{Margin - Bottom} \end{array} \right.$

* Values $\left\{ \begin{array}{l} \text{Auto} \checkmark \rightarrow \text{Browser calculate margin} \\ \text{length} \checkmark \end{array} \right.$

Note $\left\{ \begin{array}{l} \% \rightarrow \text{Specifies margin in \% of the width of} \\ \text{containing element} \\ \text{inherit} \checkmark \end{array} \right.$

Negative values are allowed

* Short hand : TRBL

Eg 1)

(101) (!DOCTYPE html)

<html>

<head>

<style>

h1

border: 5px dotted #darkred;

}

h2

border: 5px dotted #darkred;

margin: 20px; /*Margin*/

}

p

border: 5px dotted #darkred;

margin: 50px;

}

</style>

</head>

<body>

<h1>Sheet </h1>

<h2>Sheet is a sheet </h2>

<p>Teutic </p>

</body>

</html>

Auto

→ Horizontally center the element within its container.

→ The element will then take up the specified width and remaining space will be split equally between the left and right margins.

Sheet is a Sheet

Sheet is a sheet

eg2

(!DOCTYPE html)

<html>

<head>

<style>

• with-auto {

border: 5px dotted #darkred;

margin: auto; ✓

width: 200px; ✓

}

• with-no-auto {

border: 5px dotted #darkred;

}

</style>

</head>

<body>

<h2 class="with-no-auto">Sheet is a sheet </h2>

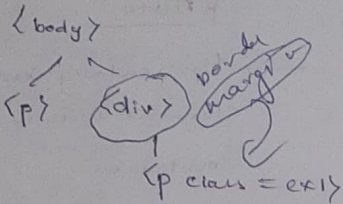
<h2 class="with-auto">Sheet is a sheet </h2>

</body>

</html>

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eg 3)



Margin -> inherit

```

<!DOCTYPE html>
<html>
<head>
<style>
div {
border: 1px solid red;
margin: 20px;
}
p.ex1 {
margin: inherit;
}
</style>
</head>
<body>
<p>Demo </p>
<div>
<p class = "ex1">Erica </p>
</div>
</body>
</html>
  
```

2) Margin-collapse → does not happen on left & right margin.
→ Only Top & Bottom margin.

```

<!DOCTYPE html>
<html>
<head>
<style>
/* Margins are Collapsing */
h1 {
margin: 10px 0px 50px 0px;
border-style: dotted;
}
h2 {
margin: 20px 0px 0px 0px;
border-style: dotted;
}
</style>
</head>
<body>
<h1 class = "h1">Erica </h1>
<h2 class = "h2">Erica </h2>
</body>
</html>
  
```