

A decorative graphic on the left side of the slide, consisting of a network of light blue lines and small circles, resembling a circuit board or a stylized tree structure. The lines are vertical and horizontal, with some diagonal branches, and the circles are placed at various points along these lines.

05 – CSS MARGINS AND PADDINGS

```
<html>
  <head>
    <title>Your nickname </title>
    <style>
    .....
    </style>
  </head>
  <body>
    .....
    <p> This paragraph has margins </p>

    <div>
      .....
      <p> This is a paragraph in a div </p>
      <p> This is another paragraph </p>
    </div>

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

The background is a solid teal color with a subtle gradient. In the four corners, there are decorative white line-art elements resembling circuit traces or a network diagram, with small circles at the end of the lines.

WHAT ARE MARGINS?

MARGINS

- The CSS **margin** properties are used to create space **around** elements, outside of any defined borders
- With CSS you have full control over the margins. There are properties for setting the margin for each side of an element (top, right, bottom, and left)

MARGIN – INDIVIDUAL SIDES

- CSS has properties for specifying the margin for each side of an element
 - `margin-top`
 - `margin-right`
 - `margin-bottom`
 - `margin-left`
- All the margin properties can have the following values:
 - `auto` – the browser calculates the margin
 - `length` – specifies a margin in px, pt, cm
 - `%` - specifies a margin in % of the width of the containing element

EXAMPLE 1:

- Set different margins for all four sides of a `<p>` element:

```
p {  
  margin-top: 100px;  
  margin-bottom: 100px;  
  margin-right: 150px;  
  margin-left: 80px;  
}
```

MARGIN SHORTHAND

- To shorten the code, it is possible to specify all the margin properties in one property
- The **margin** property is a shorthand property for all sides
- Example:

```
p {  
  margin: 25px 50px 75px 100px;  
}
```

- The **margin** property can also have two values (Top and Bottom, Right and left)

```
p {  
  margin: 25px 50px;  
}
```

- The **margin** property can also have only one value (all sides same)

```
p {  
  margin: 25px;  
}
```

AUTO VALUE

- Margin property **auto** will horizontally center the element within its container
- The element will take up the specified width, and the remaining space will be split equally between the left and right margins

```
div {  
  width: 300px;  
  margin: auto;  
  border: 1px solid red;  
}
```

The background is a dark blue gradient. In the corners, there are white line-art illustrations of circuit traces and nodes. The top-left and bottom-left corners feature more complex, branching circuit patterns, while the top-right and bottom-right corners have simpler, more linear traces.

WHAT IS PADDING?

PADDING

- The CSS **padding** properties are used to generate space around an element's content, inside of any defined borders
- Same as for margins, we can define the padding for each side.

PADDING – INDIVIDUAL SIDES

- CSS has properties for specifying the margin for each side of an element
 - `padding-top`
 - `padding-right`
 - `padding-bottom`
 - `padding-left`
- All the margin properties can have the following values:
 - `length` – specifies a padding in `px`, `pt`, `cm`
 - `%` - specifies a padding in % of the width of the containing element

EXAMPLE

- Set different padding for all four sides of a `<div>` element

```
div {  
  padding-top: 50px;  
  padding-right: 30px;  
  padding-bottom: 50px;  
  padding-left: 80px;  
}
```

PADDING – SHORTHAND PROPERTY

- To shorten the code, it is possible to specify all the padding properties in one property
- The **padding** property is a shorthand property for all sides
- Example:

```
div {  
    padding: 25px 50px 75px 100px;  
}
```

- The **padding** property can also have two values (Top and Bottom, Right and left)

```
div {  
  padding: 25px 50px;  
}
```

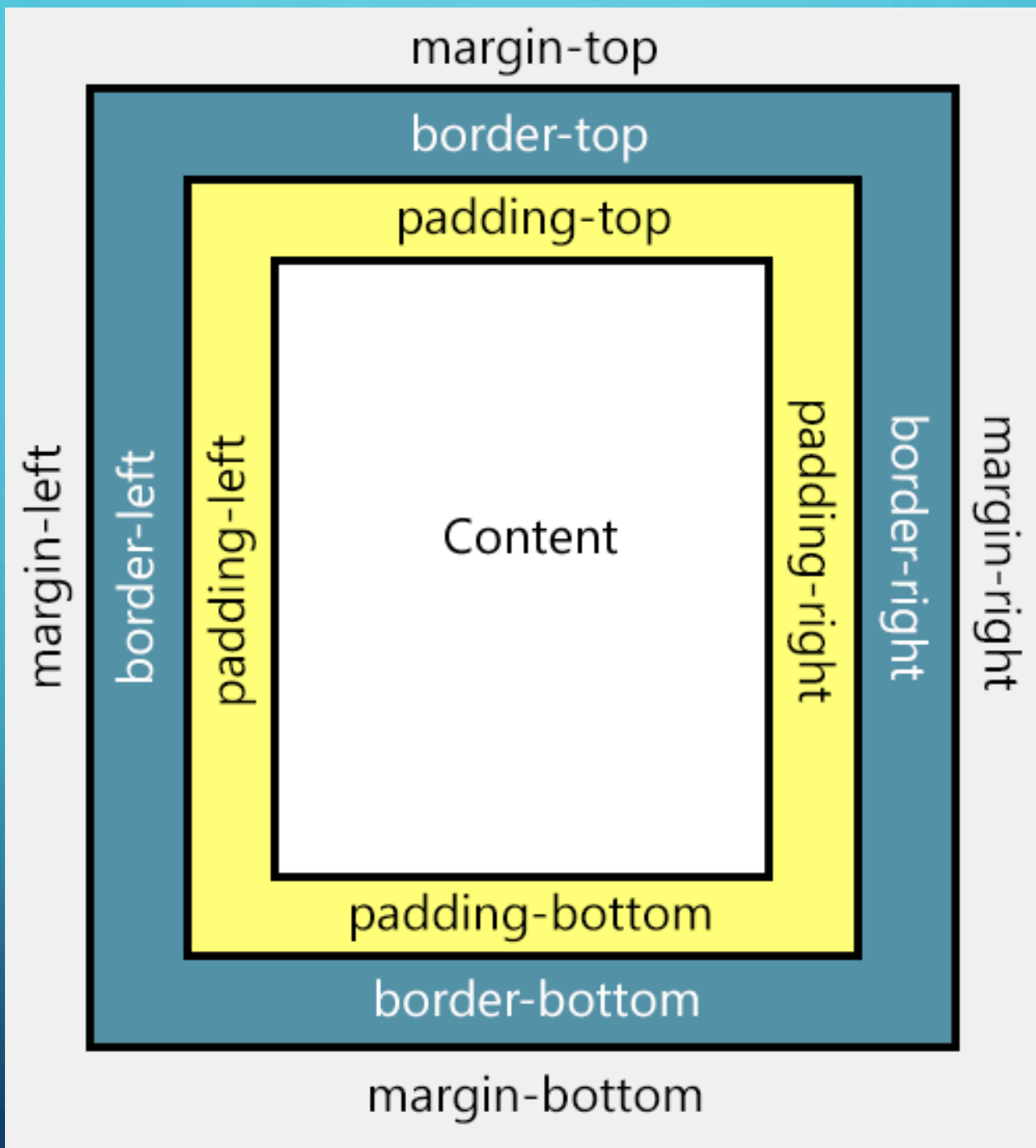
- The **padding** property can also have only one value (all sides same)

```
div {  
  padding: 25px;  
}
```

This paragraph has margins

This is a
paragraph in a div

This is another
paragraph



THE END