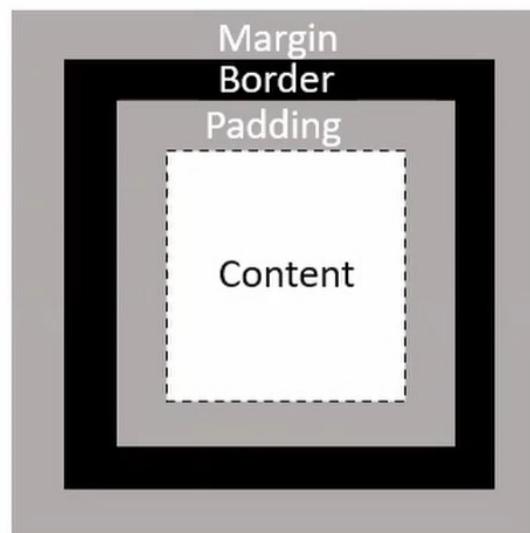


CSS Box Model



The Box Model

All HTML Elements could be considered as boxes, in css called as box model.

The Box model consists of

1. Content : can be text, images, etc.,
2. Padding : Area around the content, Transparent
3. Border : Bordering around the Padding and Content
4. Margin : Area outside the border the margin is Transparent

CSS

CSS Border, Padding and Margin

CSS Border

The Border property lets you add borders, specify the style, width and the color for the border

The border properties we have are:

1. border-style
2. Border-width
3. Border-color
4. Border-sides
5. Rounded-border

CSS Border, Padding &
Margin



CSS Border

CSS Border, Padding &
Margin

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

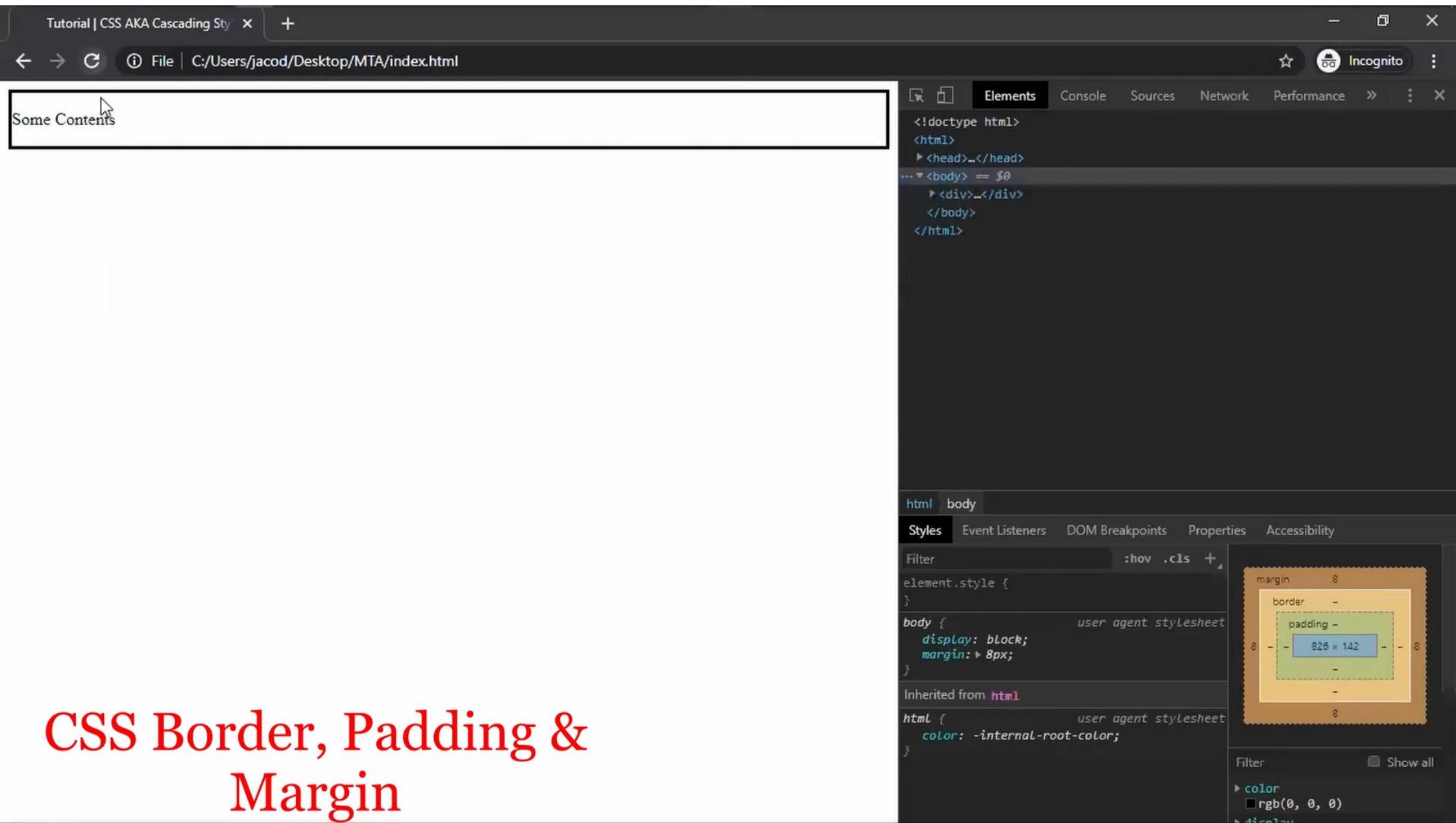
index.html

```
<!DOCTYPE HTML>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .border{
            border-style: solid;
        }
    </style>
</head>
<body>
    <div class="border">
        <p>Some Contents</p>
    </div>
</body>
</html>
```

Ln 14, Col 25 Spaces: 4 UTF-8 CRLF HTML 2.8 hrs ESLint

CSS Border, Padding & Margin

CSS Border, Padding & Margin



File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .border{
            border-style: dotted;
        }
    </style>
</head>
<body>
    <div class="border">
        <p>Some Contents</p>
    </div>
</body>
</html>
```

CSS Border, Padding & Margin

Ln 7, Col 33 Spaces: 4 UTF-8 CRLF HTML 2.8 hrs ESLint

Some Contents

```
Elements Console Sources Network Performance > X
```

```
<!doctype html>
<html>
  <head>...</head>
  ...<body> == $0
    <div class="border">...</div>
  </body>
</html>
```



CSS Border, Padding & Margin

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

element.style { }

body { user agent stylesheet

```
display: block;
margin: 8px;
```

}

Inherited from html

html { user agent stylesheet

```
color: -internal-root-color;
```

}

margin 8

border -

padding -

8 - 826 x 56 - 8

Filter Show all

color

rgb(0, 0, 0)

background

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS 1 UNSAVED

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .border{
            border-style: dashed;
        }
    </style>
</head>
<body>
    <div class="border">
        <p>Some Contents</p>
    </div>
</body>
</html>
```

Ln 7, Col 33 Spaces: 4 UTF-8 CRLF HTML 2.8 hrs ESLint

CSS Border, Padding & Margin

Tutorial | CSS AKA Cascading Style Sheet +

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

Some Contents

```
<!doctype html>
<html>
  <head>...</head>
... <body> == $0
  <div class="border">...</div>
</body>
</html>
```

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

```
element.style { }
body { display: block; margin: 8px; }
Inherited from html
html { color: -internal-root-color; }
```

margin 8
border -
padding -
8 8 8 8
826 x 56

Filter Show all

color □rgb(0, 0, 0)

CSS Border, Padding & Margin

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA index.html .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html > html > head > style > .border

```
<!DOCTYPE HTML>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .border{
            border-style: double;
            border-width: 5px;
        }
    </style>
</head>
<body>
    <div class="border">
        <p>Some Contents</p>
    </div>
</body>
</html>
```

Ln 8, Col 30 Spaces: 4 UTF-8 HTML 2.8 hrs ESLint

CSS Border, Padding & Margin

Tutorial | CSS AKA Cascading Style Sheet

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

Some Contents

```
<!DOCTYPE html>
<html>
  <head>...</head>
  ...<body> == $0
    <div class="border">...</div>
  </body>
</html>
```

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

```
element.style { }
body { user agent stylesheet
  display: block;
  margin: 8px;
}
Inherited from html
html { user agent stylesheet
  color: -initial-color;
}
```

margin 8
border -
padding -
8 8 8 8
826 x 60

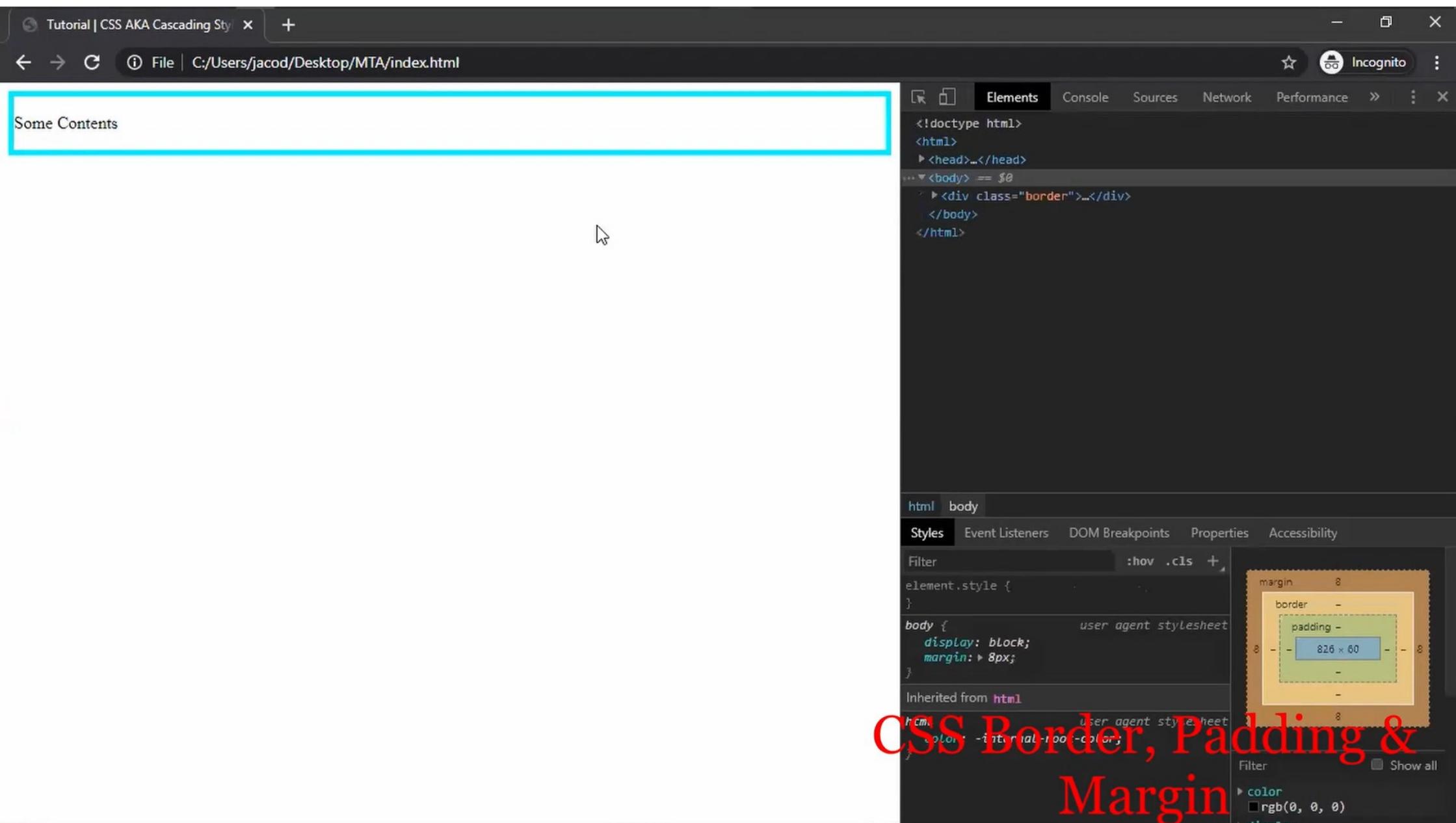
CSS Border, Padding & Margin

... index.html X

```
index.html > html > head > style > .border
1 <!doctype html>
2 <html>
3 <head>
4     <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5     <style>
6         .border{
7             border-style: solid;    ||
8             border-width: 5px;    ⚡ solid
9             border-color: aqua;
```

A single line segment.

CSS Border, Padding & Margin



File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html > html > head > style > .border

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .border{
7              border-top-style: solid;
8              border-right-style:dotted;
9              border-left-style:dashed;
10             border-bottom-style:groove;
11
12             border-width: 5px;
13             border-color: aqua;
14         }
15     </style>
16
17 </head>
18 <body>
19     <div class="border">
20         <p>Some Contents</p>
21     </div>
22
23
24 </body>
25 </html>
```

CSS Border, Padding & Margin

Ln 9, Col 38 Spaces: 4 Ctl-S Ctrl-F HTML 2.9 hrs ESLint

Tutorial | CSS AKA Cascading Style Sheet

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

Some Contents

```
<!DOCTYPE html>
<html>
  <head>...</head>
  ...<body> == $0
    <div class="border">...</div>
  </body>
</html>
```

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

element.style { }

body { user agent stylesheet } display: block; margin: 8px; }

Inherited from html

html user agent stylesheet color: -initial-color; }

CSS Border, Padding & Margin

margin 8
border -
padding -
826 x 60 - - 8
8 - - - - 8
8

Filter Show all

color
rgb(0, 0, 0)

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER

> OPEN EDITORS

< MTA

> .vscode

● bg.mp4

▷ index.html

index2.php

projectmantra_white....

JS script.js

style.css

world-wide-web.png

OUTLINE

NPM SCRIPTS

index.html

index.html > html > head > style > .border

```
1  <!DOCTYPE HTML>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .border{
7              border-style: solid;
8              border-width: 5px;
9              border-color: aqua;
10             border-radius: 50px;
11         }
12     </style>
13
14 </head>
15 <body>
16     <div class="border">
17         <p>Some Contents</p>
18     </div>
19
20
21 </body>
22 </html>
```

CSS Border, Padding & Margin

Ln 10, Col 29 Spaces: 4 UTF-8 HTML 2.9 hrs ESLint

Tutorial | CSS AKA Cascading Style Sheet

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

Some Contents

Some Contents

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

element.style { }

body { user agent stylesheet } display: block; margin: 8px; }

Inherited from html

html user agent style sheet color: -initial-root-color; }

CSS Border, Padding & Margin

The screenshot shows a browser window with developer tools open. The main content area displays the text "Some Contents" with a light blue rounded border. The developer tools sidebar has "Elements" selected. The "Elements" panel shows the HTML structure: <!doctype html>, <html>, <head>, <body>, and a div with class "border". The "Styles" panel shows the following CSS rules:

```
html body
Styles Event Listeners DOM Breakpoints Properties Accessibility
Filter :hover .cls +
element.style {
}
body {
    user agent stylesheet
    display: block;
    margin: 8px;
}
Inherited from html
html user agent style sheet
color: -initial-root-color;
```

The "Properties" panel on the right shows a visual representation of the element's dimensions and padding/margin. It shows a large orange box for the border, a smaller green box for the padding, and a small blue box for the content area, all with dimensions of 826 x 60.

CSS Border, Padding and Margin

CSS Margin

The Margin property is used to create space around elements outside of a border

The Margin properties we have are:

1. Margin-top
2. Margin-bottom
3. Margin-left
4. Margin-right



File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS 1 UNSAVED

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .margin{
            margin-top: 125px;
            margin-bottom: 25px;
            margin-left: 125px;
            margin-right: 25px;
        }
    </style>
</head>
<body>
    <div class="margin">
        <p>Demonstrates the Margin</p>
    </div>
</body>
</html>
```

CSS Margin

OUTLINE NPM SCRIPTS

0 0 Login Configure Preview Available

Ln 9, Col 26 Spaces: 4 UTF-8 CRLF HTML 3.0 hrs ESLint

CSS Margin

Demonstrates the Margin

Tutorial | CSS AKA Cascading Style Sheet

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

```
<!doctype html>
<html>
  <head>...</head>
  ...<body> == $0
    <div class="margin">...</div>
  </body>
</html>
```

html body

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

```
element.style { }
body { user agent stylesheet
  display: block;
  margin: 8px;
}
Inherited from html
html { user agent stylesheet
  color: -internal-root-color;
}
```

margin 8

border -

padding -

826 x 18

8 - - - - 8

Filter Show all

color

rgb(0, 0, 0)

CSS Border, Padding and Margin

CSS Padding

The padding property creates space around element's content inside of any well defined border

The padding properties we have are:

1. padding-top
2. padding-bottom
3. padding-left
4. padding-right

CSS PADDING

< index.html ●

```
index.html > html > body > div.padding
1  <!DOCTYPE HTML>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .padding{
7              padding-top:15px;
8              padding-bottom:15px;
9              padding-left:15px;
10             padding-right:15px
11         }
12     </style>
13 </head>
14 <body>
15     <div class="padding">
16         <p> Content inside the Div</p>
17     </div>
18
19
20 </body>
21 </html>
```

CSS PADDING

CSS PADDING

Content inside the Div

```
<!doctype html>
<html>
  <head>...</head>
... <body> == $0
  ><div class="padding">...</div>
  </body>
</html>
```

The screenshot shows the Chrome DevTools interface with the 'Elements' tab selected. The left pane displays the CSS styles for the current element, including:

```
element.style {  
}  
  
body { user agent stylesheet  
  display: block;  
  margin: 8px;  
}  
  
Inherited from html  
  
html { user agent stylesheet  
  color: -internal-root-color;  
}
```

The right pane shows the Element Inspector for the body element, displaying its bounding box and padding values:

margin	8
border	-
padding	-
826 x 80	8
-	-
-	-
8	8

The bottom pane shows the 'color' style being inspected, with the value set to 'rgb(0, 0, 0)'.

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE HTML>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .padding{
            padding-top:15px;
            padding-bottom:15px;
            padding-left:15px;
            padding-right:15px
        }
    </style>
</head>
<body>
    <div class="padding">
        <p class="padding">Content inside the Div</p>
    </div>
</body>
</html>
```

CSS PADDING

OUTLINE NPM Scripts

0 0 Login Configure Preview Available Ln 16, Col 26 Spaces: 4 UTF-8 CRLF HTML 3.1 hrs ESLint

CSS PADDING

Content inside the Div

The screenshot shows the browser's developer tools open to the 'Elements' tab, displaying the DOM structure and the CSS styles applied to the selected element.

DOM Structure:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    ... <div class="padding"> == $0
      <p class="padding"> Content inside the Div</p>
    </div>
  </body>
</html>
```

Selected Element: div.padding

Styles Tab:

Style	Value	Source
element.style	{}	
.padding	<pre>padding-top: 15px; padding-bottom: 15px; padding-left: 15px; padding-right: 15px;</pre>	index.html:6
div	<pre>display: block;</pre>	user agent stylesheet
html		user agent stylesheet

Computed Styles (Panel on the right):

- margin: 0px
- border: 0px
- padding: 15px
- width: 796px
- height: 80px

Properties Tab:

- margin: 0px
- border: 0px
- padding: 15px
- width: 796px
- height: 80px

Accessibility Tab:

This tab is currently empty.

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE HTML>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .padding{
            padding-top:15px;
            padding-bottom:15px;
            padding-left:15px;
            padding-right:15px
        }
        .border{
            border:1px solid black;
        }
    </style>
</head>
<body>
    <div class="padding">
        <p class="padding border">Content inside the Div</p>
    </div>
</body>
</html>
```

CSS PADDING

OUTLINE NPM Scripts

0 0 Login Configure Preview Available Ln 19, Col 33 Spaces: 4 UTF-8 CRLF HTML 3.1 hrs ESLint

CSS PADDING

Content inside the Div

```
<!doctype html>
<html>
  <head>...</head>
  <body>
    <div class="padding">
      <p class="padding border"> Content inside the Div</p> == $0
    </div>
  </body>
</html>
```

html body div.padding p.padding.border

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hov .cls +

element.style { }

.border { index.html:12
border: 1px solid black; }

.padding { index.html:6
padding-top: 15px;
padding-bottom: 15px;
padding-left: 15px;
padding-right: 15px; }

p { user agent stylesheet
display: block;
margin-block-start: 1em;
margin-block-end: 1em; }

margin 16
border 1
padding 15
1 15 764 x 18 15 1
15 1
16

margin 16
border 1
padding 15
1 15 764 x 18 15 1
15 1
16

Filter Show all

border-bottom-color
rgb(0, 0, 0)

border-bottom-style

PADDING

IT ADDS THE WELL DEFINED SPACE
BETWEEN THE BORDER AND THE
CONTENTS INSIDE THE BORDER.

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE HTML>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        .padding{
            padding-top:5px;
            padding-bottom:15px;
            padding-left:15px;
            padding-right:15px
        }
        .border{
            border:1px solid black;
        }
    </style>
</head>
<body>
    <div class="padding">
        <p class="padding border"> Content inside the Div</p>
    </div>
</body>
</html>
```

Ln 7, Col 25 Spaces: 4 UTF-8 CRLF HTML 3.1 hrs ESLint

Tutorial | CSS AKA Cascading Style Sheet

File | C:/Users/jacod/Desktop/MTA/index.html

Elements Console Sources Network Performance

Content inside the Div

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <div class="padding">
      <p class="padding border"> Content inside the Div</p> == $0
    </div>
  </body>
</html>
```

html body div.padding p.padding.border

Styles Event Listeners DOM Breakpoints Properties Accessibility

Filter :hover .cls +

```
element.style { ... }
.border { index.html:12
  border: 1px solid black;
}
.padding { index.html:6
  padding-top: 5px;
  padding-bottom: 15px;
  padding-left: 15px;
  padding-right: 15px;
}
p { user agent stylesheet
  display: block;
  margin-block-start: 1em;
  margin-block-end: 1em;
}
```

margin 16
border 1
padding 5
764 x 18
15 1
15
1
16

border-bottom-color
rgb(0, 0, 0)

The screenshot shows a browser window with developer tools open. The main content area displays the text "Content inside the Div". The developer tools sidebar shows the DOM tree:

```
<!DOCTYPE html>
<html>
  <head>...</head>
  <body>
    <div class="padding">
      <p class="padding border"> Content inside the Div</p> == $0
    </div>
  </body>
</html>
```

The "Elements" tab is selected. In the bottom right, there's a detailed box model visualization for the div element. It shows a large orange outer box labeled "margin 16". Inside it is a yellow box labeled "border 1". Inside that is a green box labeled "padding 5". The innermost blue box contains the text "764 x 18". The overall dimensions of the box model are shown as 15 (left) + 764 + 15 (right) = 784, and 15 (top) + 15 (bottom) = 30.

CSS Flexbox

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning.

We can initiate a flexbox by setting the property
Display : flex

WE have the following properties for Setting a flexbox

1. flex-direction
2. flex-wrap
3. flex-flow
4. justify-content
5. align-items
6. align-content

CSS

CSS Flexbox Order



The Order property is used to specify the order of a flexible item which is relative to the container.

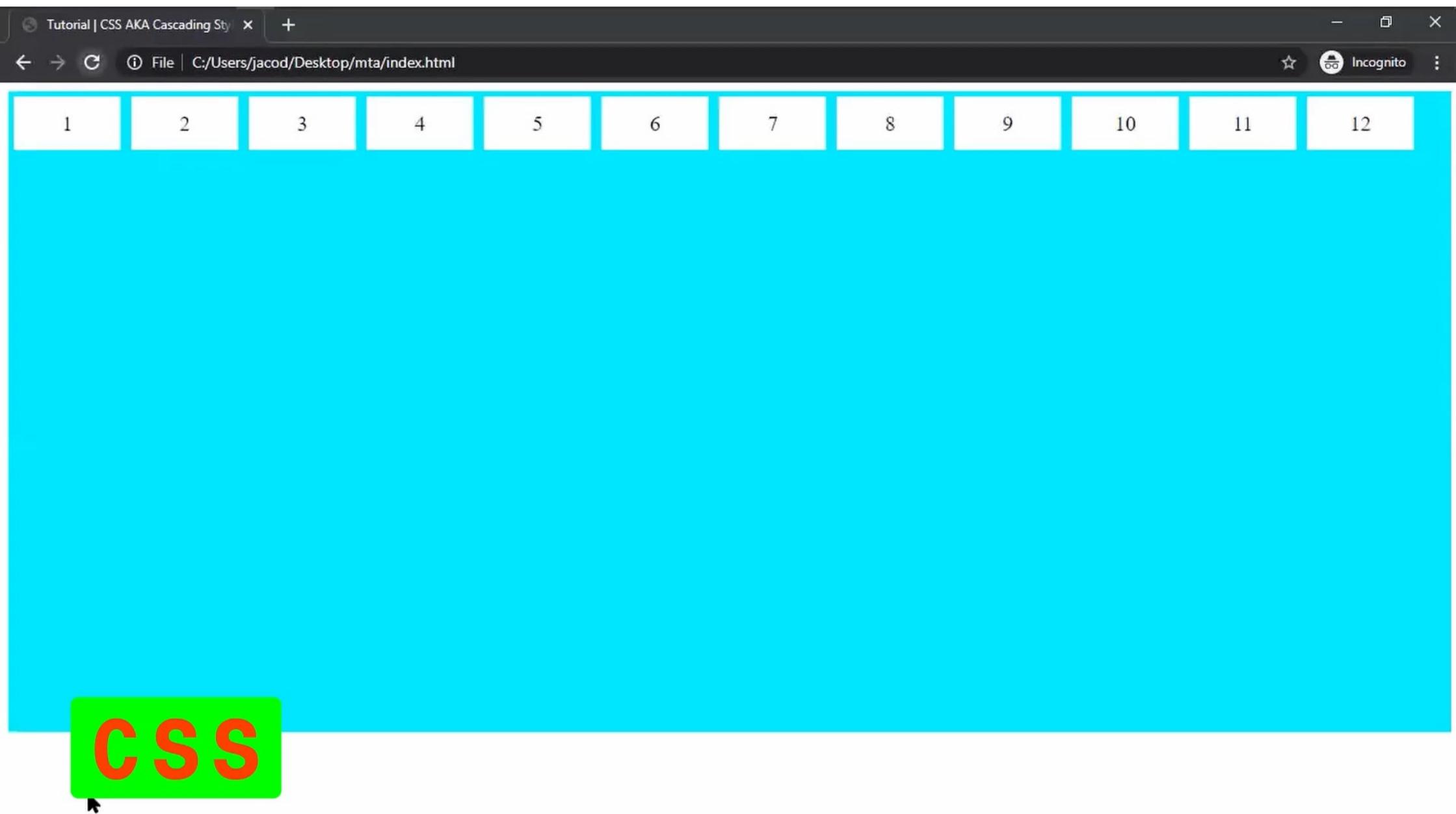
If the element is not used inside a flexible item then, the Order will not take any effect

CSS

The image shows a screenshot of the Visual Studio Code (VS Code) interface. The left sidebar contains icons for Explorer, Search, Open Editors, MTA, and other files like .vscode, bg.mp4, index.html, index2.php, projectmantra_white..., script.js, style.css, and world-wide-web.png. The main editor area displays the content of the 'index.html' file. The code uses CSS-in-JS syntax within the HTML file to style a flexbox layout.

```
<head>
  <title>Tutorial | CSS AKA Cascading Style Sheets</title>
  <style>
    .flexbox{
      display: flex;
      height: 600px;
      flex-wrap: wrap;
      align-content: space-between;
      background-color: #aqua;
    }
    .flexbox > div{
      background: #white;
      width: 100px;
      margin:5px;
      text-align: center;
      line-height: 50px;
      font-size: 20px;
    }
  </style>
</head>
<body>
  <div class="flexbox">
    <div>1</div>
    <div>2</div>
    <div>3</div>
    <div>4</div>
    <div>5</div>
    <div>6</div>
    <div>7</div>
    <div>8</div>
    <div>9</div>
    <div>10</div>
    <div>11</div>
    <div>12</div>
  </div>
</body>
</html>
```

The status bar at the bottom shows the file is 36 lines long, 16 columns wide, with 4 spaces per line, in UTF-8 encoding, CRLF line endings, and 1 hour 19 minutes since the last save. It also indicates ESLint is enabled.



CSS Grid

The CSS Grid Offers us a grid based system for arranging elements on the layout, consisting of rows and columns without having to use floats and positioning.

A Grid Element Consists of a Parent Elements with consecutive child elements

To Initiate a CSS Grid We set the display property to "Grid"

The Grid has 4 parts

1. Vertical Line Visualization of Grids is called Column
2. Horizontal Line Visualization of the Grids is called Rows
3. The Space Visualization between the column and the row is called Grid Gaps
4. Grid Lines the spaces in between columns and rows can be classified as follows:
 1. Lines between columns are column lines
 2. Lines between rows are row lines



File Edit Selection View Go Run Terminal Help

• index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS 1 UNSAVED

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html

```
<!DOCTYPE html>
<html> <head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        body{
            display: grid;
            grid-template-columns: auto;
            grid-template-rows: 130px 400px 130px;
            grid-gap:15px;
        }
        header,footer,main{
            grid-column: 1/ span 2;
        }
        body{
            margin: 0 auto;
            max-width: 575px;
            padding:15px 0;
        }
        header,footer,main{
            background: purple;
            color: white;
            display: flex;
            align-items: center;
            justify-content: center;
        }
    </style>
</head>
<body>
    <header>
        This is the header
    </header>
    <main>
        This is the Main Part of the Body
    </main>
</body>
```

Ln 35, Col 12 Spaces: 4 UTR-8 CRLF HTML 2 2h 35m ESLint

L CSS 7

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

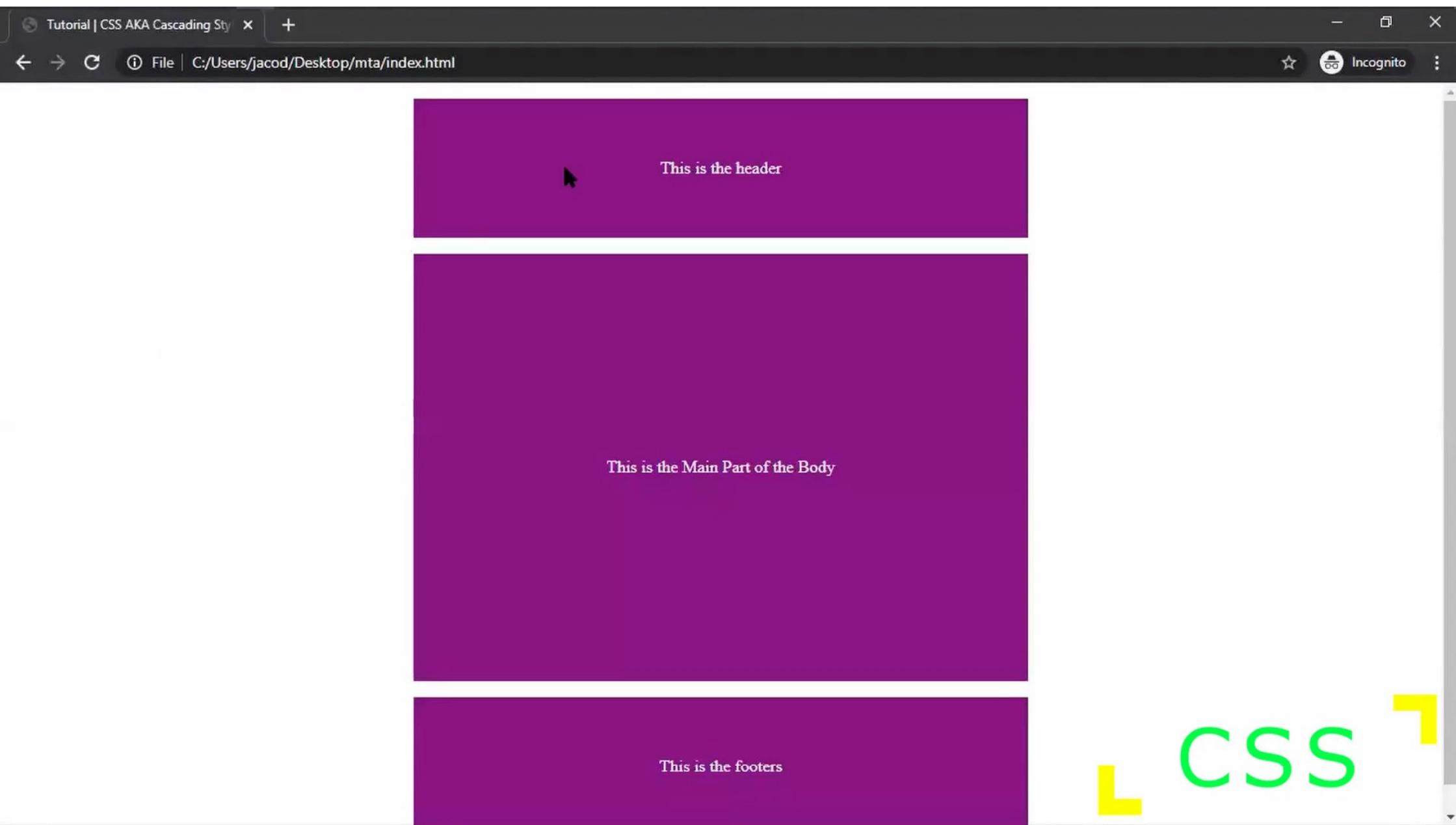
EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html

```
<html>
  <head>
    <style>
      body {
        display: grid;
        grid-template-columns: auto;
        grid-template-rows: 130px 400px 130px;
        grid-gap: 15px;
      }
      header, footer, main {
        grid-column: 1 / span 2;
      }
      body {
        margin: 0 auto;
        max-width: 575px;
        padding: 15px 0;
      }
      header, footer, main {
        background: purple;
        color: white;
        display: flex;
        align-items: center;
        justify-content: center;
      }
    </style>
  </head>
  <body>
    <header>
      This is the header
    </header>
    <main>
      This is the Main Part of the Body
    </main>
    <footer>
      This is the footer
    </footer>
  </body>
</html>
```

L CSS 7

Ln 11, Col 10 Spaces: 4 UTR-8 CRLF HTML 2h 37m ESLint



CSS Columns

The CSS Columns is a very useful property that we use for Creating print-like layout much similar to a news paper or a magazine with the agility of the web

The Column Count Has the Properties:

1. Column-count
2. Column-width

CSS Columns

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js style.css world-wide-web.png

index.html Extension: Lorem ipsum

index.html > html > body > div.magazine1

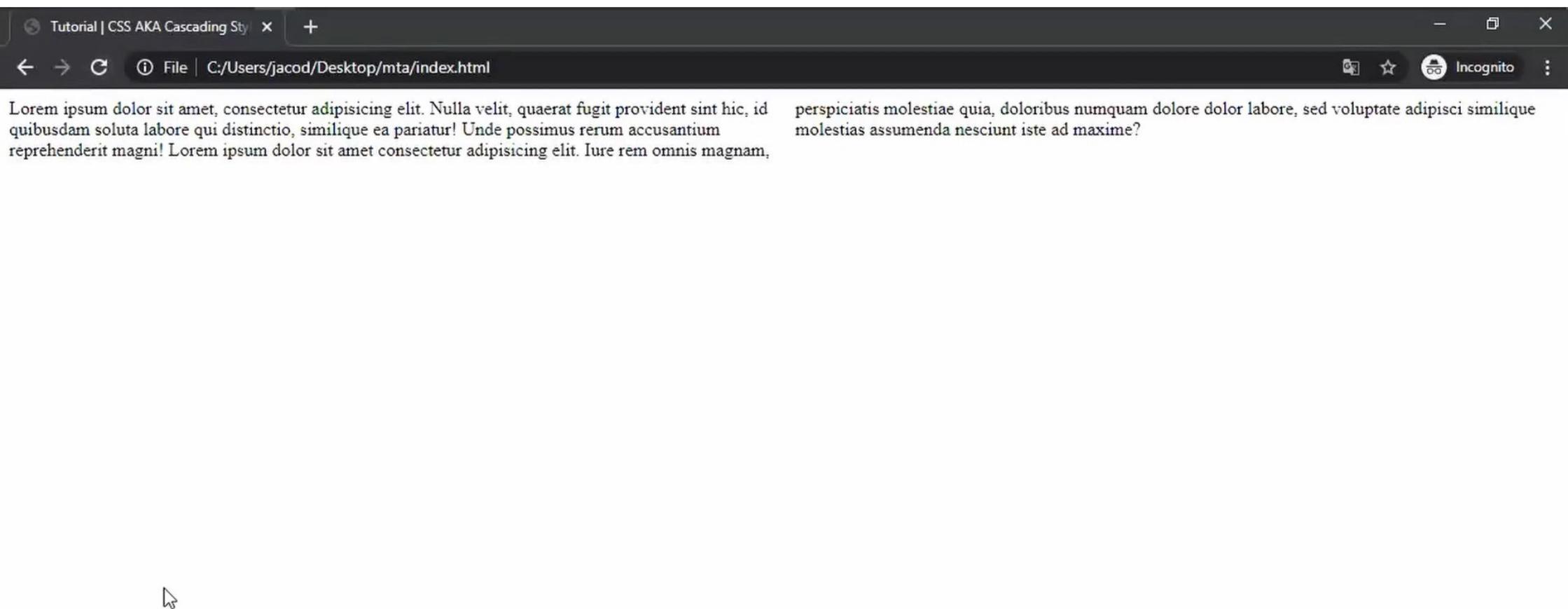
```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .magazine1{
7              columns: 200px 2;
8          }
9      </style>
10     </head>
11     <body>
12         <div class="magazine1">
13             Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nulla velit, quaerat fugit provident sint hic, id quibusdam soluta labore qui distinctio, similique ea pariatur! Unde possimus rerum accusantium reprehenderit magni!
14             Lorem ipsum dolor sit amet consectetur adipisicing elit. Iure rem omnis magnam, perspiciatis molestiae quia, doloribus numquam dolore dolor labore, sed voluptate adipisci similique molestias assumenda nesciunt iste ad maxime?
15         </div>
16     </body>
17     </html>
```

OUTLINE NPM SCRIPTS MAVEN

0 △ 0 Login Configure Preview Available

Ln 14, Col 234 Spaces: 4 UTF-8 CRLF HTML 2h 52m ESLint

CSS Columns



CSS Columns

CSS Hyphenations

CSS provides us with amazing tools with work with text element and one of the most agile one is Hyphenation

Hyphenation is used to automatically add hyphenations to the texts when the page or the container is shrunked.

Hyphenation property has either one of these three property values

1. None
2. Manual
3. auto

CSS Hyphenations

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

index.html Extension: Lorem ipsum

index.html > html > body > div.a

```
1 <!doctype html>
2 <html>
3 <head>
4     <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5     <style>
6         div{
7             width: 60px;
8             border: 1px solid black;
9         }
10        div.a{
11            -webkit-hyphens: none;
12            -ms-hyphens: none;
13            hyphens:none;
14        }
15    </style>
16 </head>
17 <body>
18     <div class="a">THis is a very nice moonlit evening</div>
19 </body>
20 </html>
```

OUTLINE NPM SCRIPTS MAVEN

0 △ 0 Login Configure Preview Available Ln 18, Col 55 Spaces: 4 UTF-8 CRLF HTML 2h 3m ESLint

CSS Hyphenations

← → C ⚒ File | C:/Users/jacod/Desktop/mta/index.html

THis is a
very nice
mo[nlit
evening

CSS Hyphenations

index.html × Extension: Lorem ipsum

index.html > html > body > div.a

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div{
7              width: 60px;
8              border: 1px solid black;
9          }
10         div.a{
11             -webkit-hyphens: manual;
12             -ms-hyphens: manual;
13             hyphens:manual;
14         }
15     </style>
16 </head>
17 <body>
18     <div class="a">This is a very &shy; nice moonlit evening</div>
19 </body>
20 </html>
```

CSS Hyphenations



CSS Hyphenations

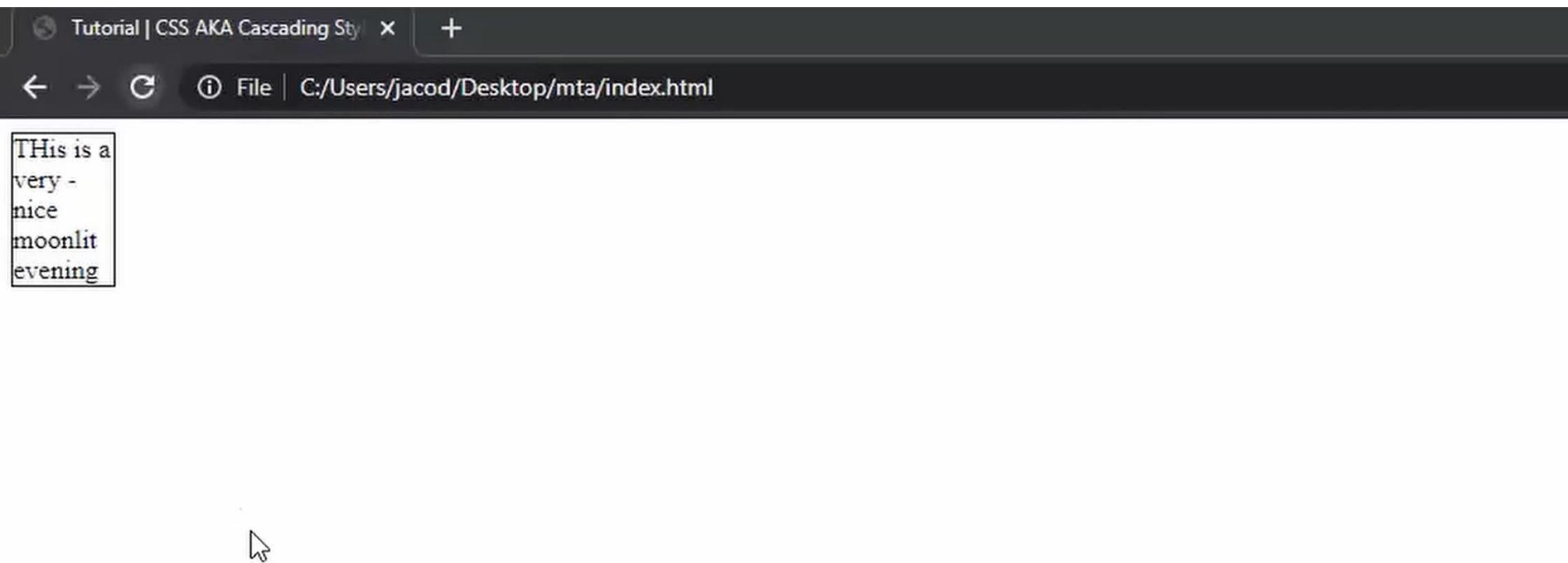
ORS
ors
html
php
mantra_white....
s
vide-web.png

... ◊ index.html X Extension: Lorem ipsum

◊ index.html > html > head > style > div.a

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div{
7              width: 60px;
8              border: 1px solid black;
9          }
10         div.a{
11             -webkit-hyphens: auto;
12             -ms-hyphens: auto;
13             hyphens:auto;
14         }
15     </style>
16 </head>
17 <body>
18     <div class="a">This is a very &shy; nice moonlit evening</div>
19 </body>
20 </html>
```

CSS Hyphenations



CSS Hyphenations

CSS Rounded Corners

With CSS Rounded Corners we can make intuitive designs and shapes, we can achieve it with the help of CSS border-radius

The Border-radius has 4 points/properties

1. Border-top-left-radius
2. Border-top-right-radius
3. Border-bottom-left-radius
4. Border-bottom-right-radius

CSS Rounded Corners

20 Cool CSS Buttons Effects

BUTTON1

BUTTON2

BUTTON3

BUTTON4

BUTTON5

BUTTON6

BUTTON7

BUTTON8

BUTTON9

BUTTON10

BUTTON11

BUTTON12

BUTTON13

BUTTON14

BUTTON15

BUTTON16

BUTTON17

BUTTON18

BUTTON19

BUTTON20

CSS Rounded Corners

...

index.html X Extension: Lorem ipsum

index.html > html > body > input.button

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .button{
7              /*border-radius: 5px;*/
8              background: black;
9              color: white;
10             padding: 20px;
11             width: 75px;
12             height: 40px;
13         }
14     </style>
15 </head>
16 <body>
17     <input type="submit" class="button">
18 </body>
19 </html>
```

CSS Rounded Corners

Submit

CSS Rounded Corners

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER ... < index.html > Extension: Lorem ipsum

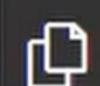
< index.html > html > head > style > .button

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .button{
7              border-radius: 5px;
8              background: black;
9              color: white;
10             padding: 20px;
11             width: 75px;
12             height: 40px;
13         }
14     </style>
15 </head>
16 <body>
17     <input type="submit" class="button">
18 </body>
19 </html>
```

CSS Rounded Corners

Submit

CSS Rounded Corners



EXPLORER

...

index.html X

Extension: Lorem ipsum



> OPEN EDITORS



MTA

> .vscode

bg.mp4

index.html

index2.php

projectmantra_white....

JS script.js

style.css

world-wide-web.png

< index.html > html > head > style > .button

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .button{
7              border-radius: 15px;
8              background: black;
9              color: white;
10             padding: 20px;
11             width: 75px;
12             height: 40px;
13         }
14     }
15  </style>
16 </head>
17 <body>
18     <input type="submit" class="button">
19 </body>
```

CSS Rounded Corners

Submit

CSS Rounded Corners

File Edit Selection View Go Run Terminal Help

• index.html - MTA - Visual Studio Code

EXPLORER ...

> OPEN EDITORS 1 UNSAVED

MTA

> .vscode

▶ bg.mp4

▷ index.html

index2.php

projectmantra_white....

JS script.js

style.css

world-wide-web.png

Extension: Lorem ipsum

▷ index.html ●

▷ index.html > html > head > style > .button

```
1 <!doctype html>
2 <html>
3 <head>
4   <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5   <style>
6     .button{
7       border-radius: 20px;
8       background: black;
9       color: white;
10      padding: 20px;
11      width: 75px;
12      height: 40px;
13    }
14  }
15 </style>
16 </head>
17 <body>
18   <input type="submit" class="button">
19 </body>
```

CSS Rounded Corners

Submit



CSS Rounded Corners

CSS SHADOWS



The CSS Shadows properties is used for setting an amazing shadow around the element or text where ever its being called at.

The CSS Shadows are of 2 Categories

1. Text Shadows
2. Box Shadows

In Order to Set the Shadow property for text we will have to set the property as follows:

Text-shadow: xpx, ypx, sizepx, color;

In Order to set the box shadow we will have to set the property as follows:

Box-shadow: xpx, ypx, sizepx, color;

CSS Shadows

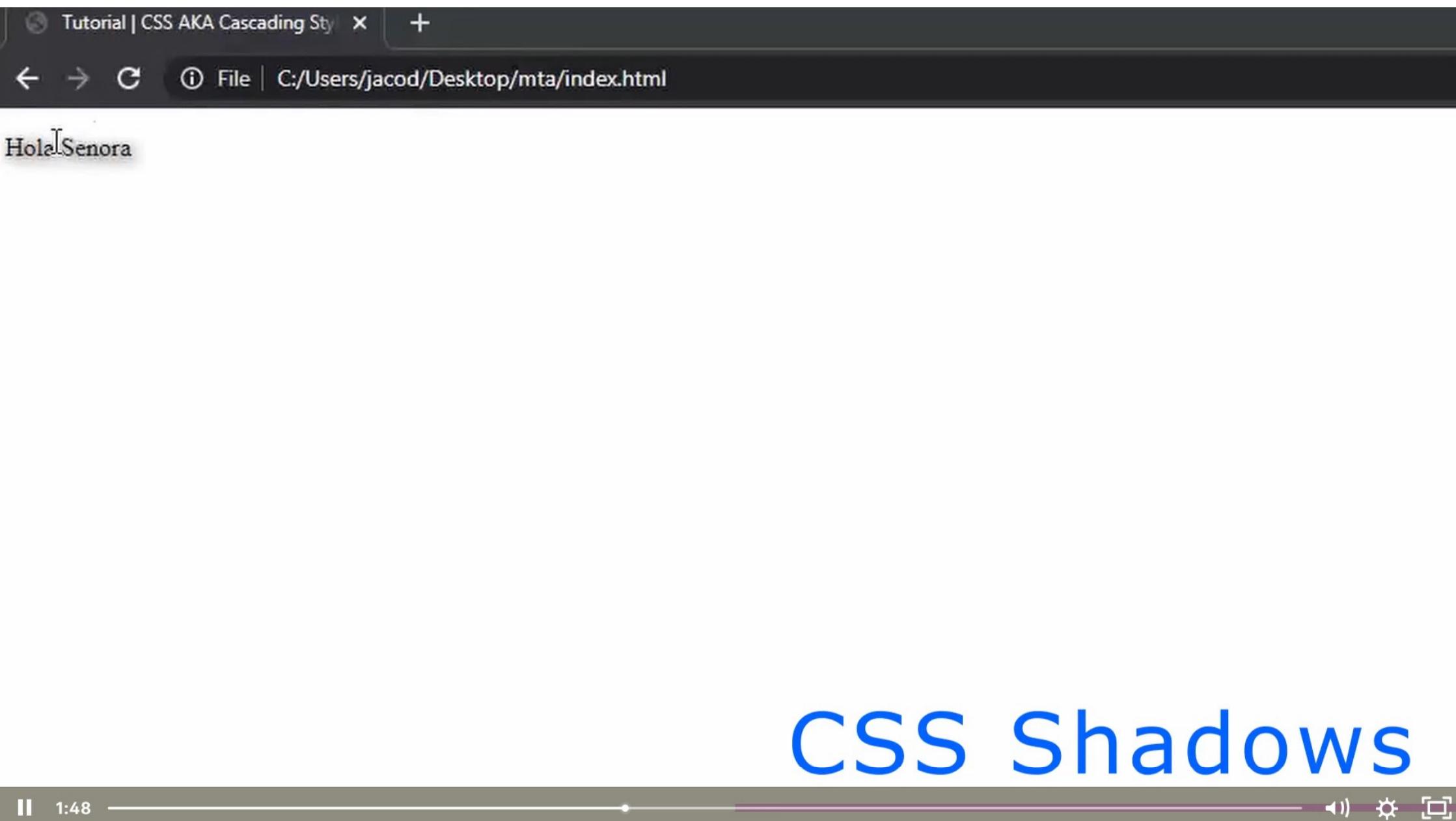


index.html X Extension: Lorem ipsum

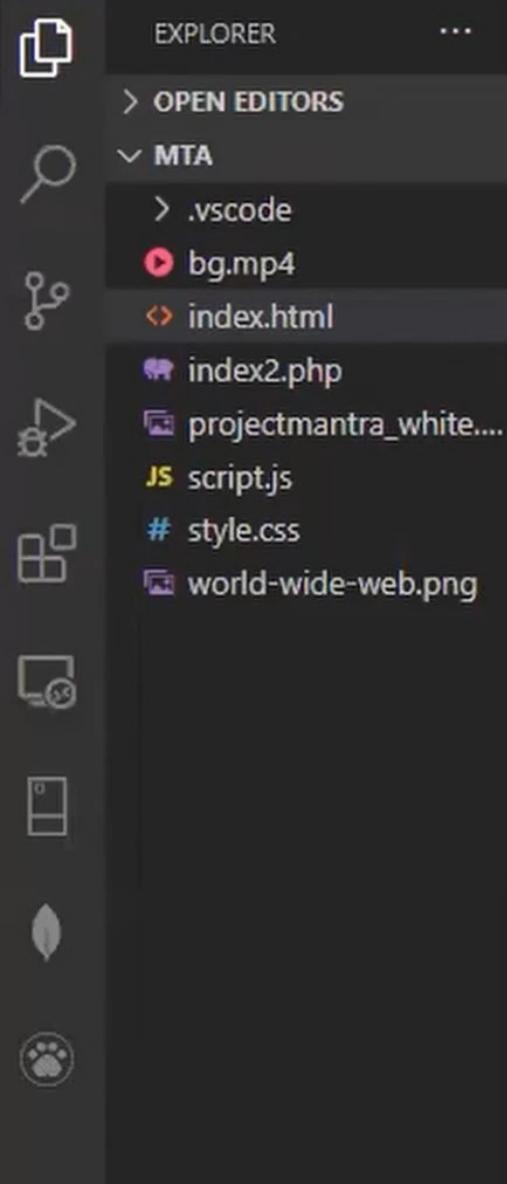
index.html > html > body > p

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          p{
7              text-shadow: 2px 1.5px 10px black;
8          }
9      </style>
10     </head>
11     <body>
12         <p>Hola Senora</p>
13     </body>
14 </html>
```

CSS Shadows



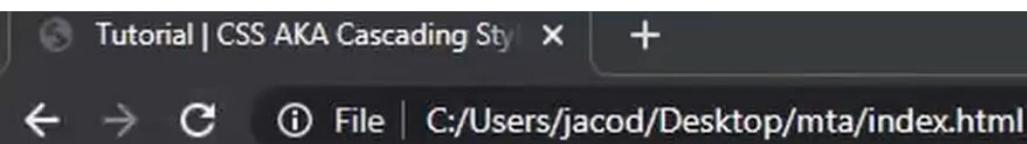
CSS Shadows



index.html < Extension: Lorem ipsum

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          p{
7              text-shadow: 2px 1.5px 3px black;
8          }
9      </style>
10     </head>
11     <body>
12         <p>Hola Senora</p>
13     </body>
14     </html>
```

CSS Shadows



Hola Senora

CSS Shadows

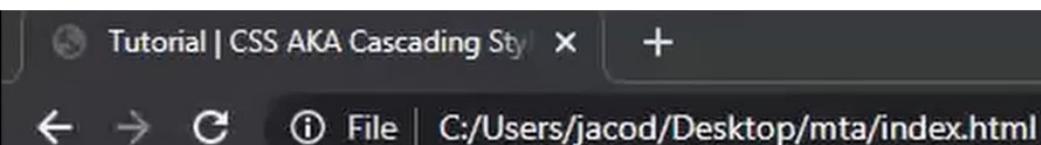
index.html ● Extension: Lorem ipsum

index.html > html > body > div

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          p{
7              text-shadow: 2px 1.5px 3px black;
8          }
9          div{
10             height: 150px;
11             width: 150px;
12             padding: 20px;
13             text-align: center;
14             background-color: aqua;
15             box-shadow: 5px 5px 10px black;
16         }
17     </style>
18 </head>
19 <body>
20     <p>Hola Senora</p>
21     <div>Example of a box Shadow</div>
22 </body>
23 </html>
```

abc box-shadow
abc text-shadow

CSS Shadows



CSS Shadows

CSS Transparency

The CSS Transparency, property is used to set the opacity or transparency of the element.

Initiated with the property opacity, the values range from 0.0 to 1.0, 0 being the most transparent.

CSS Transparency

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER

> OPEN EDITORS

< MTA

> .vscode

● bg.mp4

▷ index.html

♫ index2.php

projectmantra_white....

JS script.js

style.css

world-wide-web.png

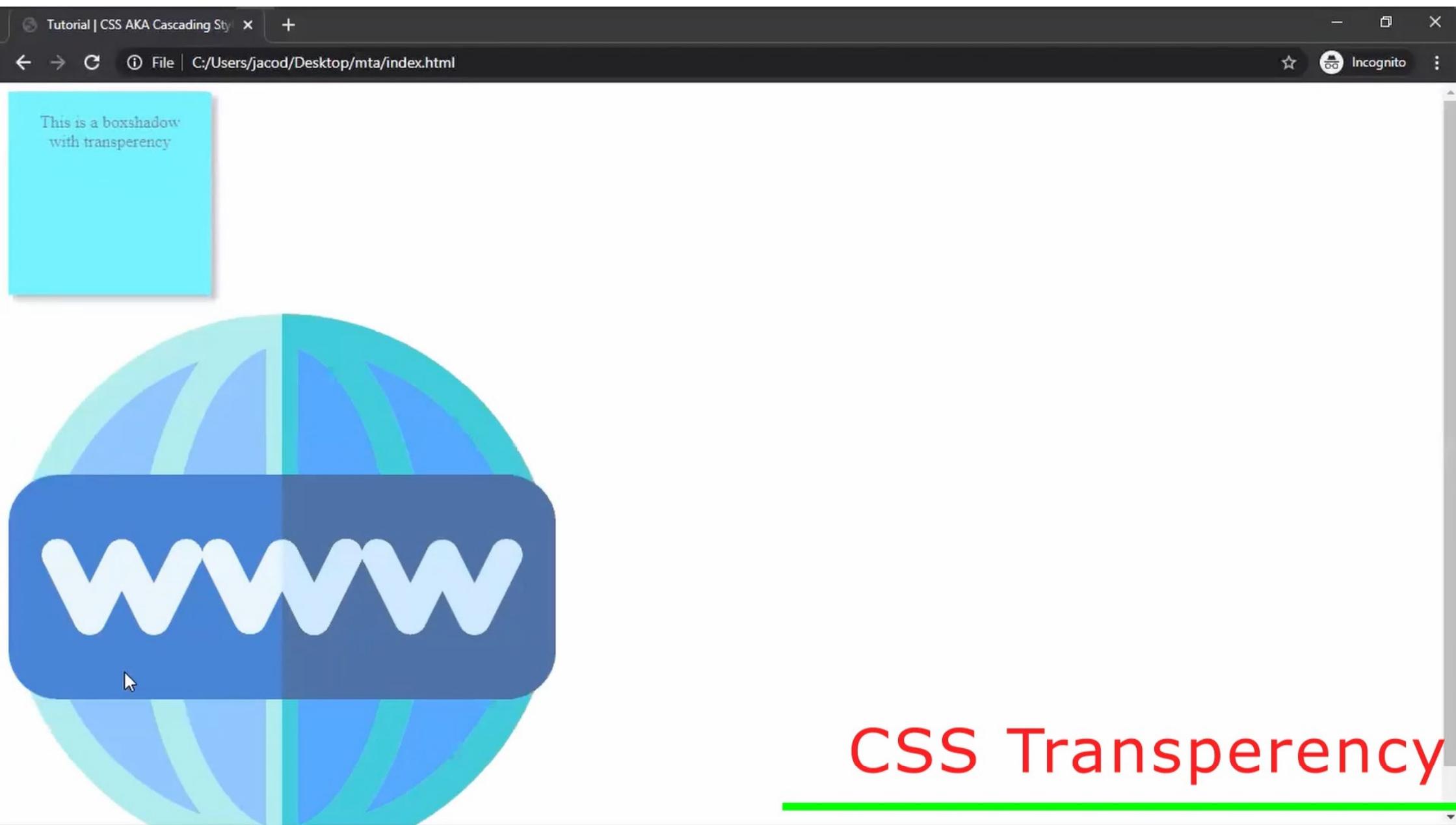
Extension: Lorem ipsum

index.html > html > body > img

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div{
7              height: 150px;
8              width: 150px;
9              padding: 20px;
10             text-align: center;
11             background-color: #aqua;
12             box-shadow: 5px 5px 5px #grey;
13             opacity: 0.5;
14         }
15         img{
16             opacity: 0.7;
17         }
18     </style>
19 </head>
20 <body>
21     <div>This is a boxshadow with transparency</div><br>
22     
23 </body>
24 </html>
```

CSS Transparency

Ln 22, Col 52 Spaces: 4 UTF-8 CRLF HTML ESLint



This is a boxshadow
with transparency

www

CSS Transparency

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER ... index.html X Extension: Lorem ipsum

OPEN EDITORS

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js # style.css world-wide-web.png

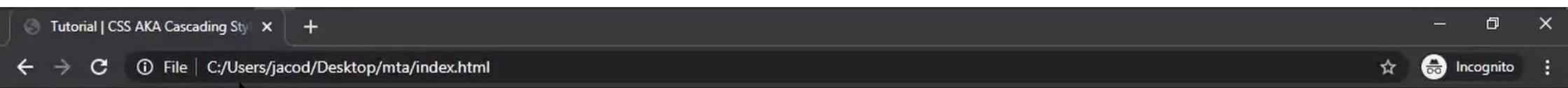
img[] opacity: 0.1;

```
<!doctype html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        img{
            opacity: 0.1;
        }
    </style>
</head>
<body>
    
</body>
</html>
```

CSS Transparency

OUTLINE NPM SCRIPTS MAVEN

0 △ 0 Login Configure Preview Available Ln 8, Col 25 Spaces: 4 UTF-8 CRLF HTML 2h 16m ESLint



CSS Transparency

File Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... JS script.js # style.css world-wide-web.png

index.html X Extension: Lorem ipsum

index.html > html > head > style > img:hover

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          img{
7              opacity: 0.9;
8          }
9          img:hover{
10              opacity: 0.5;
11          }
12      </style>
13  </head>
14  <body>
15
16      
17  </body>
18  </html>
```

Ln 11, Col 25 Spaces: 4 UTF-8 CRLF HTML ESLint

CSS Transparency



CSS Transparency

CSS Gradient

CSS provides us the ability to add smooth multicolor combinations

CSS Gives us 2 property values for Gradient

1. Radial Gradient (The colors are Centered)
2. Linear Gradient (The Colors are either up/down/left/right/diagonal)

The Syntax for each is as follows:

1. linear-gradient(direction,color1,color2)
2. Radial Gradient(shape/size at position, initial-color,...final-color)

File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js style.css world-wide-web.png

index.html

index.html > html > body > div

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div{
7              height: 75px;
8              background-color: red;
9              background-image: linear-gradient(to top right, red, yellow);
10         }
11     </style>
12 </head>
13 <body>
14     <div></div>
15 
16 </body>
17 </html>
```

OUTLINE NPM SCRIPTS MAVEN

0 △ 0 Login Configure Preview Available

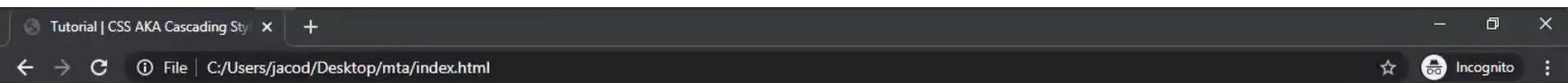
Ln 14, Col 10 Spaces: 4 UTF-8 CRLF HTML 2h 27m ESLint



index.html X Extension: Lorem ipsum

index.html > html > body > Br

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          .linear-gradient{
7              height: 75px;
8              background-color: red;
9              background-image: linear-gradient(to top right, red, yellow);
10         }
11         .radial-gradient{
12             height: 75px;
13             background-color: red;
14             background-image: radial-gradient(yellow, red);
15         }
16     </style>
17 </head>
18 <body>
19     <h2>Linear Gradient Example</h2><br><br>
20     <div class="linear-gradient"></div><br><br>
21     <h2>Radial Gradient Example</h2><br><br>
22     <div class="radial-gradient"></div>
23 </body>
```



Linear Gradient Example



Radial Gradient Example



CSS 2D AND 3D TRANSFORMATION

Transformations in CSS allows us to perform rotation, scaling, skewing and move elements. CSS offers us 2D and 3D ways of applying transformation for the elements.

1. 2D Transformation

1. Rotate(xdeg);
2. Scale(sizes,sizes);
3. Skew(xdeg,ydeg);

2. 3D Transformation:

1. RotateX(xdeg);
2. rotateY(ydeg);
3. rotateZ(zdeg);

file Edit Selection View Go Run Terminal Help index.html - MTA - Visual Studio Code

EXPLORER ...

> OPEN EDITORS

< MTA

- > .vscode
- bg.mp4
- < index.html
- index2.php
- projectmantra_white....
- JS script.js
- # style.css
- world-wide-web.png

> OUTLINE

> NPM SCRIPTS

index.html X Extension: Lorem ipsum

index.html > html > body > div

```
1 <!doctype html>
2 <html>
3 <head>
4   <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5   <style>
6     div {
7       width: 100px;
8       height: 75px;
9       background-color: #aqua;
10    }
11  </style>
12 </head>
13 <body>
14   <div></div>
15 </body>
16 </html>
```



File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER ... index.html X Extension: Lorem ipsum

> OPEN EDITORS

MTA

> .vscode

bg.mp4

index.html

index2.php

projectmantra_white....

JS script.js

style.css

world-wide-web.png

OUTLINE

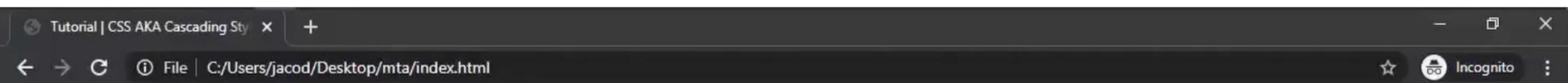
NPM SCRIPTS

MAVEN

0 △ 0 Login Configure Preview Available

Ln 12, Col 36 Spaces: 4 UTF-8 CRLF HTML 2m ESLint

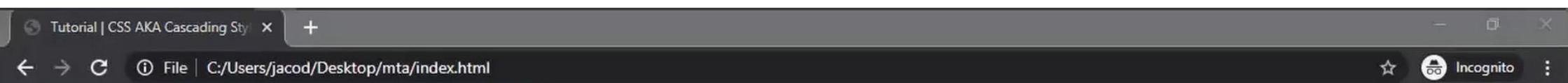
```
<!doctype html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        div {
            width: 300px;
            height: 75px;
            background-color: aqua;
        }
        div#axis{
            transform: rotate(20deg);
        }
    </style>
</head>
<body>
    <div id="axis"></div>
</body>
</html>
```



A screenshot of a code editor interface, likely Microsoft Visual Studio Code, displaying an HTML file named "index.html". The editor shows the following code:

```
<!doctype html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        div {
            width: 300px;
            height: 75px;
            background-color: aqua;
            transform: scale(2, 3);
        }
    </style>
</head>
<body>
    <div id="axis"></div>
</body>
</html>
```

The code editor has a dark theme. The sidebar on the left lists other files in the project, including "index.html", "index2.php", "objectmantra_white....", "ipt.js", "le.css", and "World-wide-web.png". The status bar at the bottom indicates "index.html" is the active file.



File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER ... index.html X Extension: Lorem ipsum

OPEN EDITORS

MTA

- .vscode
- bg.mp4
- index.html
- index2.php
- projectmantra_white....
- script.js
- # style.css
- world-wide-web.png

index.html > html > head > style > div

```
1 <!doctype html>
2 <html>
3 <head>
4   <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5   <style>
6     div {
7       width: 300px;
8       height: 75px;
9       background-color: aqua;
10      /*transform: scale(2, 3);*/
11    }
12
13  </style>
14 </head>
15 <body>
16   <div id="axis"></div>
17 </body>
18 </html>
```

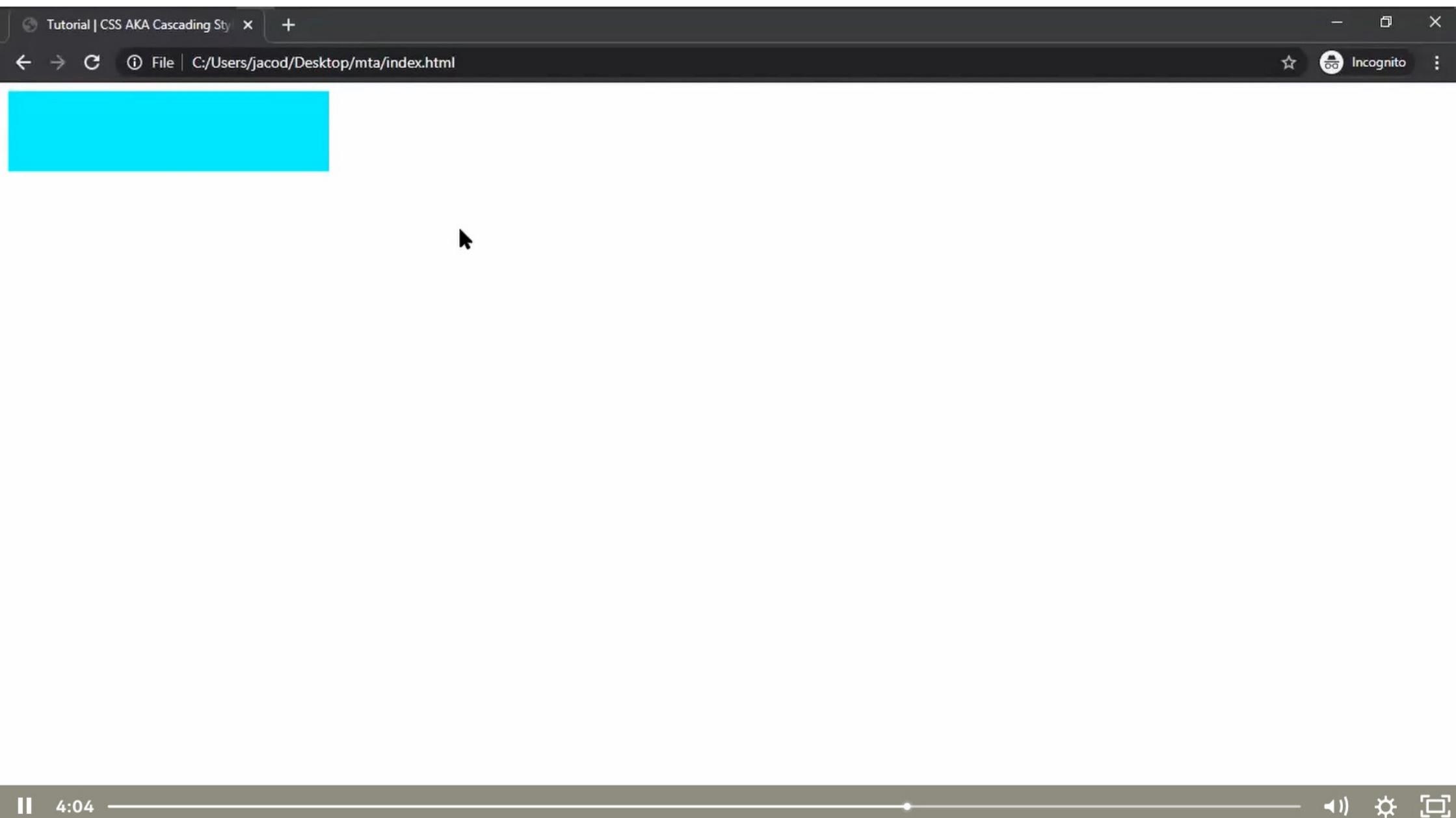
OUTLINE

NPM SCRIPTS

MAVEN

0 △ 0 Login Configure Preview Available

Ln 10, Col 39 Spaces: 4 CRLF HTML 3m ESLint



index.html X Extension: Lorem ipsum

index.html > html > head > style > div

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div {
7              width: 300px;
8              height: 75px;
9              background-color: aqua;
10             transform: skew(20deg, 40deg);
11         }
12
13     </style>
14 </head>
15 <body>
16     <div id="axis"></div>
17 </body>
18 </html>
```



File Edit Selection View Go Run Terminal Help

index.html - MTA - Visual Studio Code

EXPLORER ... index.html X Extension: Lorem ipsum

OPEN EDITORS

MTA

- .vscode
- bg.mp4
- index.html
- index2.php
- projectmantra_white....
- script.js
- # style.css
- world-wide-web.png

index.html > html > head > style > div

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div {
7              width: 300px;
8              height: 75px;
9              background-color: aqua;
10             transform: skewX(20deg);
11         }
12
13     </style>
14 </head>
15 <body>
16     <div id="axis"></div>
17 </body>
18 </html>
```

OUTLINE

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index.html - MTA - Visual Studio Code

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index.html

Extension: Lorem ipsum

index.html > html > head > style > div

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div {
7              width: 300px;
8              height: 75px;
9              background-color: aqua;
10             transform: skewY(20deg);
11         }
12
13     </style>
14 </head>
15 <body>
16     <div id="axis"></div>
17 </body>
18 </html>
```

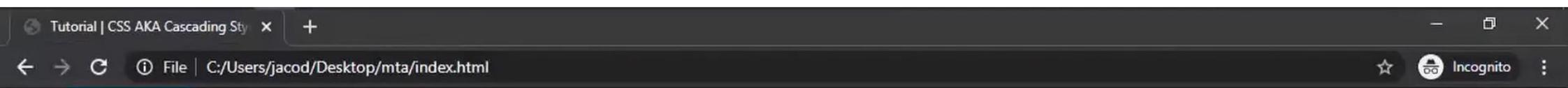
Ln 10, Col 29 Spaces: 4 UTF-8 CRLF HTML 4m ESLint



index.html X Extension: Lorem ipsum

index.html > html > head > style > #axis

```
1  <!doctype html>
2  <html>
3  <head>
4      <title>Tutorial | CSS AKA Cascading Style Sheets</title>
5      <style>
6          div {
7              width: 300px;
8              height: 75px;
9              background-color: aqua;
10         }
11         #axis{
12             transform: rotateZ(45deg);
13         }
14
15     </style>
16 </head>
17 <body>
18     <div id="axis"></div>
19 </body>
20 </html>
```



CSS ANIMATIONS

In CSS, Animations are provided to us in order to create more intuitive and interactive UI's.

We can initiate the Animations using the @keyframe rule.

The Properties available for Animation are as follows:

1. @keyframes
2. animation-name
3. animation-duration
4. animation-delay
5. animation-iteration-count
6. animation-direction
7. animation-timing-function
8. animation-fill-mode

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index.html - MTA - Visual Studio Code

EXPLORER OPEN EDITORS

MTA .vscode bg.mp4 index.html index2.php projectmantra_white.... script.js style.css world-wide-web.png

index.html

```
<!doctype html>
<html>
<head>
    <title>Tutorial | CSS AKA Cascading Style Sheets</title>
    <style>
        div{
            width: 100px;
            height: 100px;
            border-radius: 50px;
            background: blue;
            position: relative;
            animation-name: starttoend;
            animation-duration: 4s;
            animation-delay: 3s;
            animation-fill-mode: backwards;
        }
        @keyframes starttoend{
            from {left:0px; background-color: blue;}
            to{left:300px}
        }
    </style>
</head>
<body>
    <div></div>
</body>
</html>
```

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