CSS INHERITANCE

EXAMPLE #10

CSS INHERITANCE

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title></title>
</head>
<body>
    <h2>
        Here are some of our classes on Udemy:
    </h2>
    <h3>
        From 0 to 1 SQL and Databases: Heavy Lifting
    </h3>
    <p>
        A complete guide to SQL and Databases
    </p>
    <h3>
        From 0 to 1 Data Structures And Algorithms
    </h3>
    <ul>
         <li> The Stack</li>
         <li> The Queue</li>
         <li> The Heap</li>
         <li> The Binary Tree</li>
         <li> Sorting and Searching Algorithms </li>
    </ul>
</body>
</html>
```

THERE IS A **HIERARCHICAL** STRUCTURE TO THIS HTML PAGE

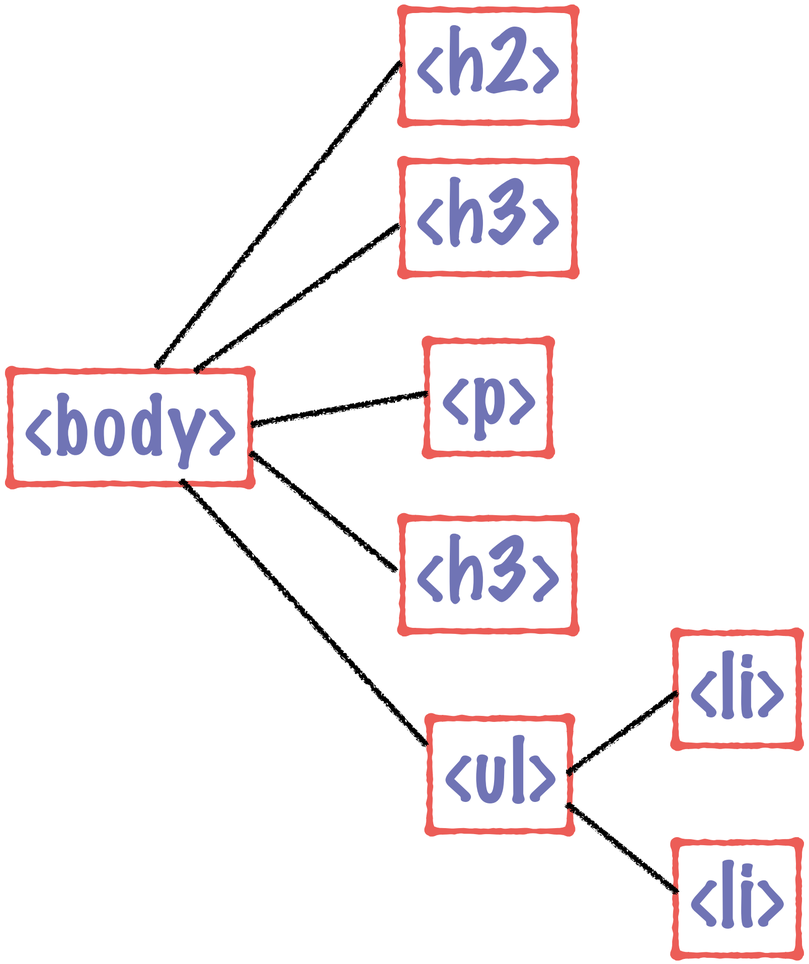
THE <html> ELEMENT HAS A <head> AND <body> ELEMENT **WITHIN** IT

THE **<body>** ELEMENT HOLDS A WHOLE BUNCH OF OTHER NESTED ELEMENTS

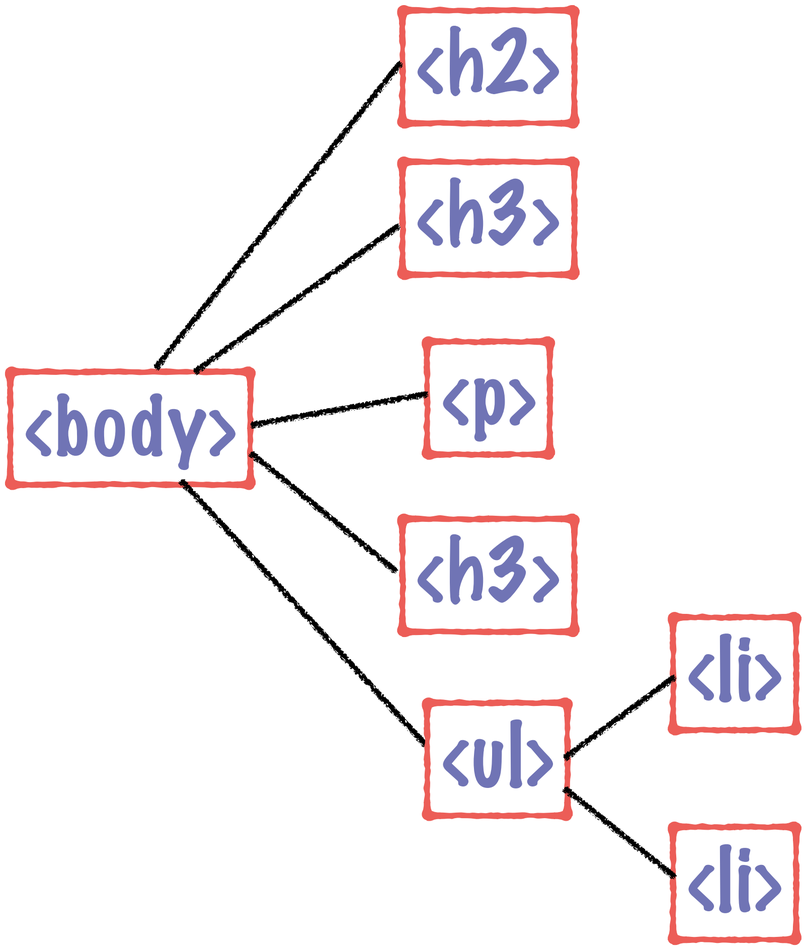
CSS INHERITANCE

CSS APPLIES TO THE VISIBLE PORTIONS I.E. INSIDE THE BODY - SO LET'S IMAGINE THIS

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title></title>
</head>
<body>
    <h2>
        Here are some of our classes on Udemy:
    </h2>
    <h3>
        From 0 to 1 SQL and Databases: Heavy Lifting
    </h3>
    <p>
        A complete guide to SQL and Databases
    </p>
    <h3>
        From 0 to 1 Data Structures And Algorithms
    </h3>
    <ul>
         <li> The Stack</li>
         <li> The Queue</li>
         <li> The Heap</li>
         <li> The Binary Tree</li>
         <li> Sorting and Searching Algorithms </li>
    </ul>
</body>
</html>
```



CSS INHERITANCE

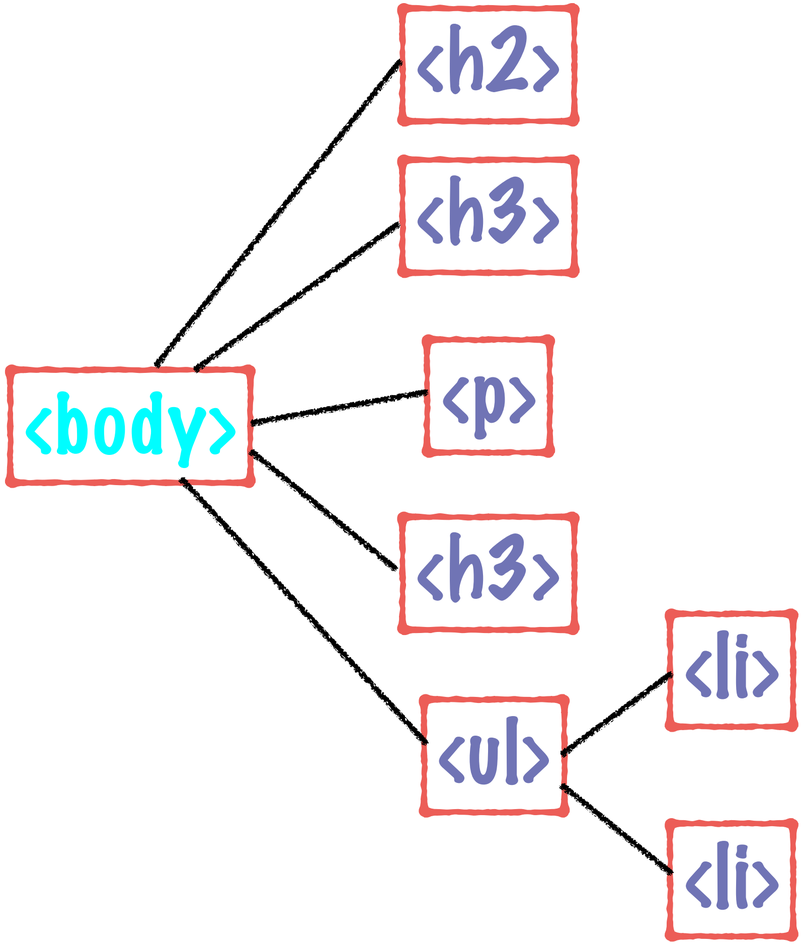



```
body {
    background-color: cyan;
}
```

THIS SAYS THE <body> ELEMENT SHOULD HAVE A BACKGROUND COLOR OF CYAN

CSS INHERITANCE

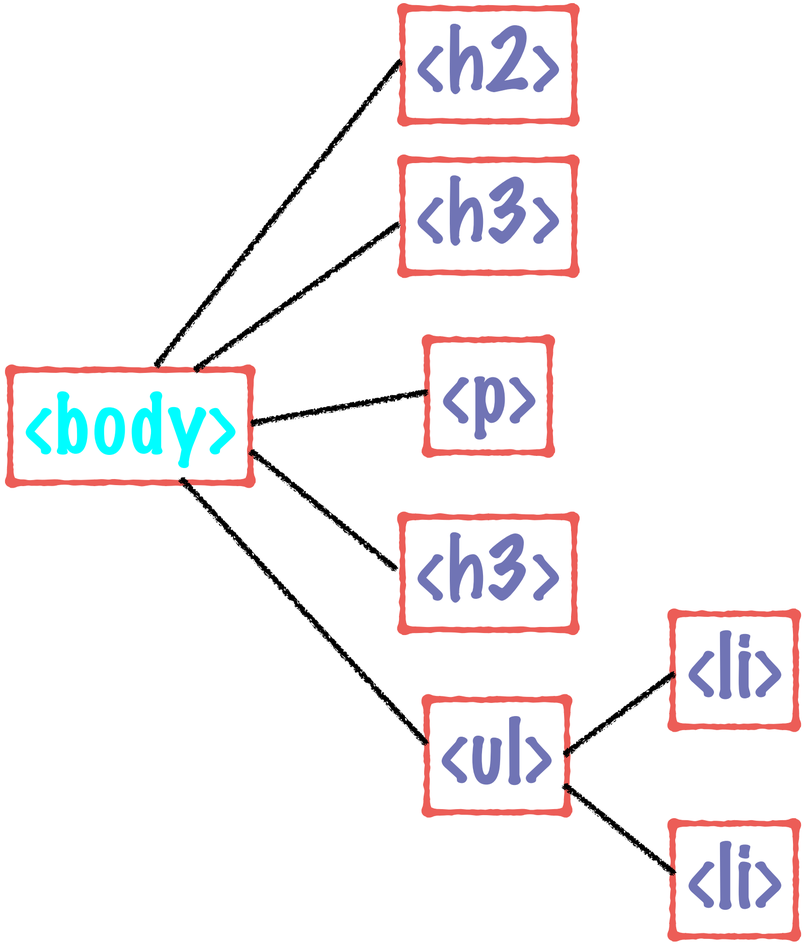
```
body {
    background-color: cyan;
}
```



THE <body> ELEMENT HOWEVER INCLUDES ALL THE ELEMENTS WITHIN IT!

CSS INHERITANCE

```
body {
    background-color: cyan;
}
```

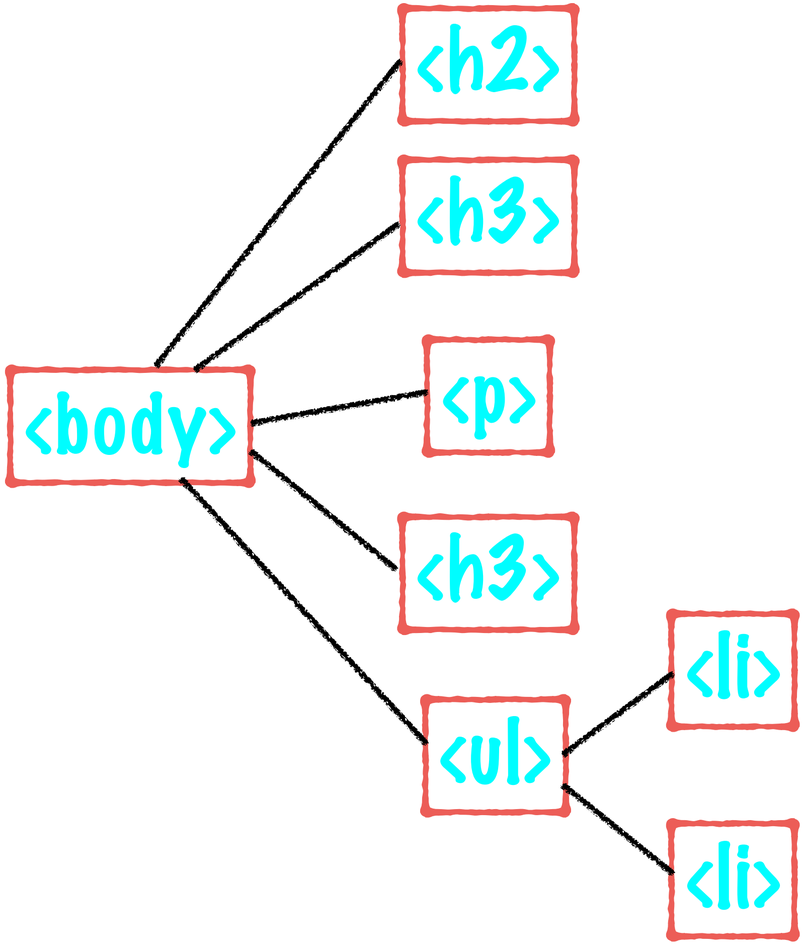


THE <body> ELEMENT HOWEVER INCLUDES ALL THE ELEMENTS WITHIN IT!

ALL ELEMENTS WITHIN <body> WILL HAVE BACKGROUND COLOR CYAN

CSS INHERITANCE

```
body {
    background-color: cyan;
}
```



THE <body> ELEMENT HOWEVER INCLUDES ALL THE ELEMENTS WITHIN IT!

ALL ELEMENTS WITHIN <body> WILL HAVE BACKGROUND COLOR CYAN

Here are some of our classes on Udemy:

From 0 to 1 SQL and Databases: Heavy Lifting

A complete guide to SQL and Databases

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- The Stack
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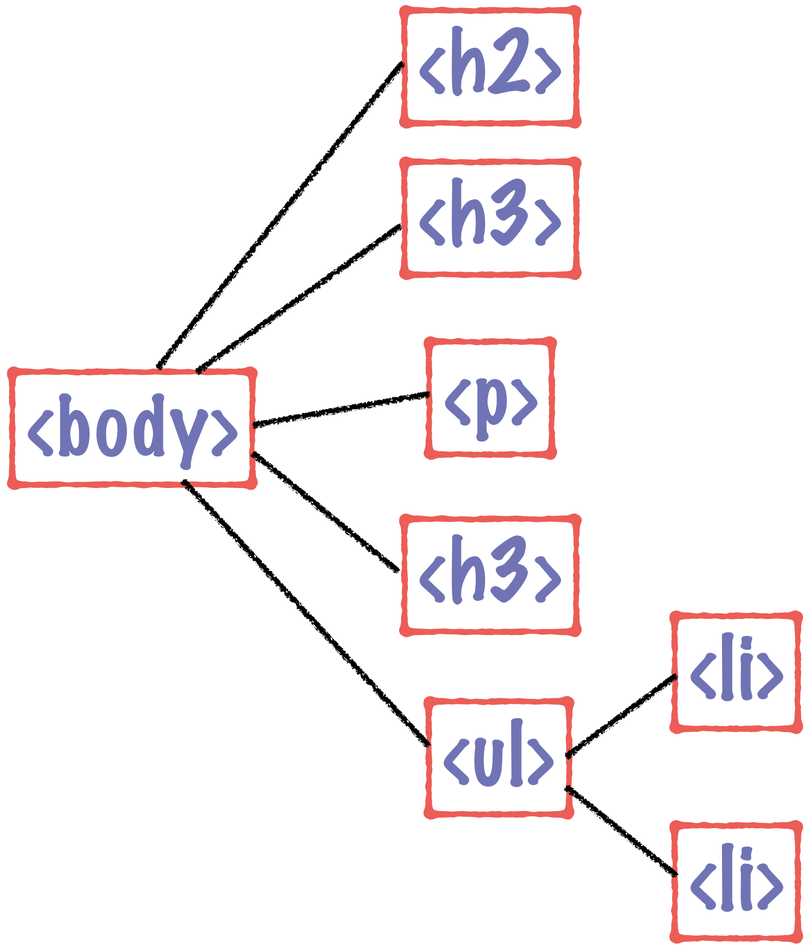


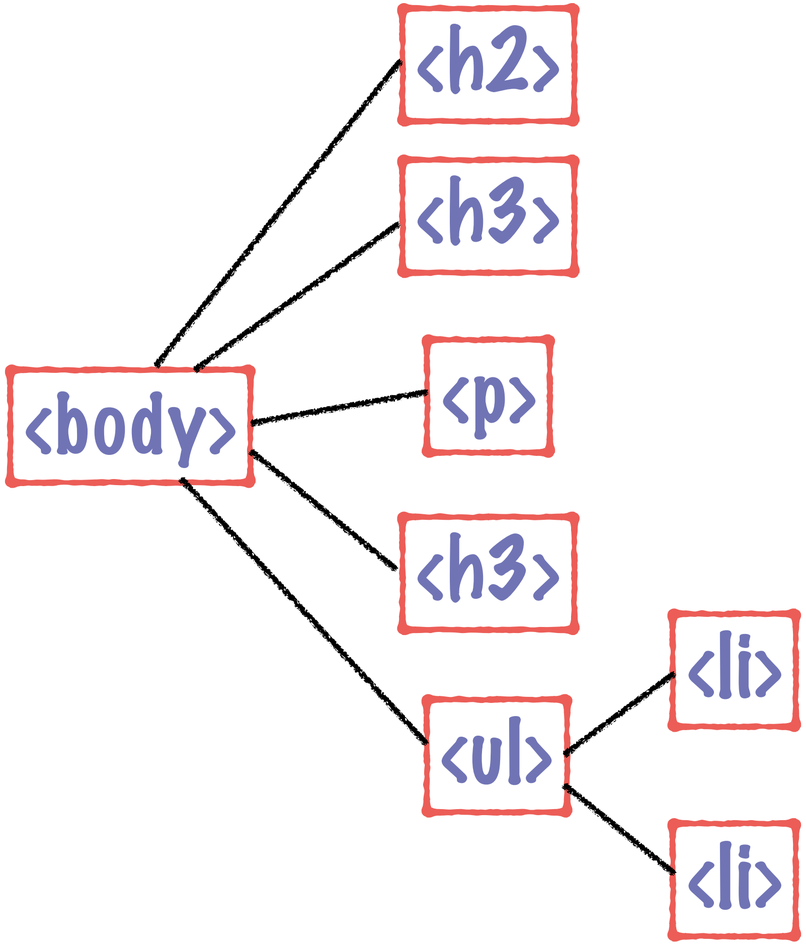

```
body {
    background-color: cyan;
    font-family: sans-serif;
}
```

SERIFS IN A FONT REFER TO LITTLE FLOURISHES WHICH ADDS A CURSIVE TOUCH TO FONTS

THEY MAKE THE FONT HARDER TO READ

TYPICALLY ON WEB PAGES YOU MARK THE FONT AS SANS-SERIF MEANING WITHOUT SERIFS

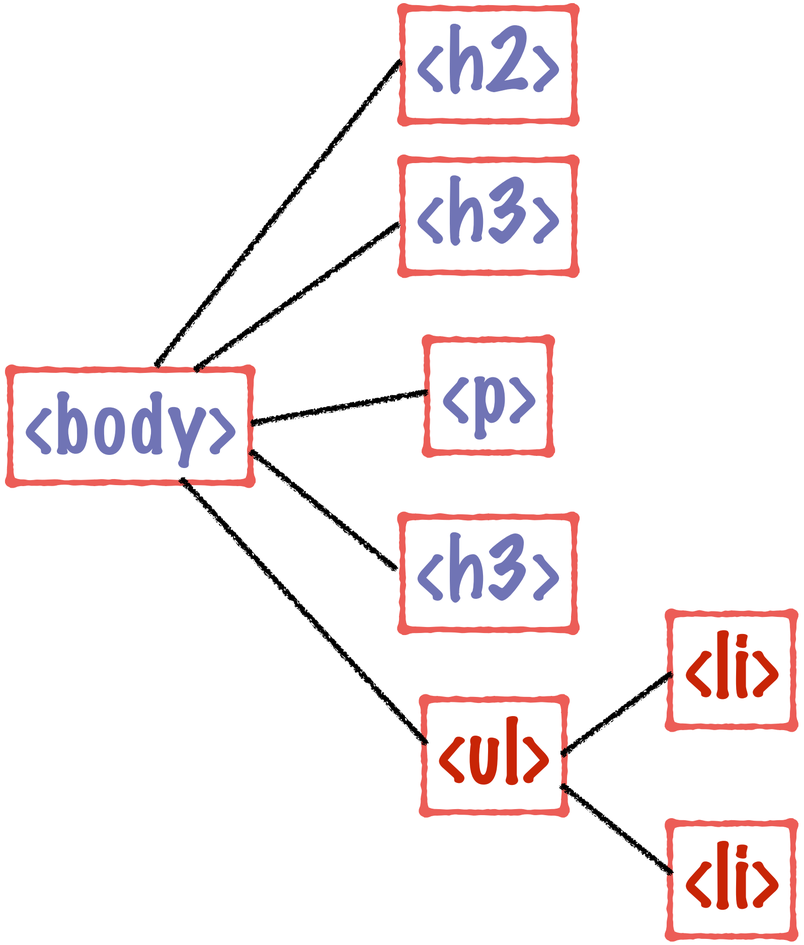
CSS INHERITANCE



WHAT IF YOU WANTED TO MAKE ONLY THE <ul> ELEMENTS SHOW UP IN RED?

```
ul {
    color: red;
}
```

CSS INHERITANCE



WHAT IF YOU WANTED TO MAKE ONLY THE <ul> ELEMENTS SHOW UP IN RED?

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```

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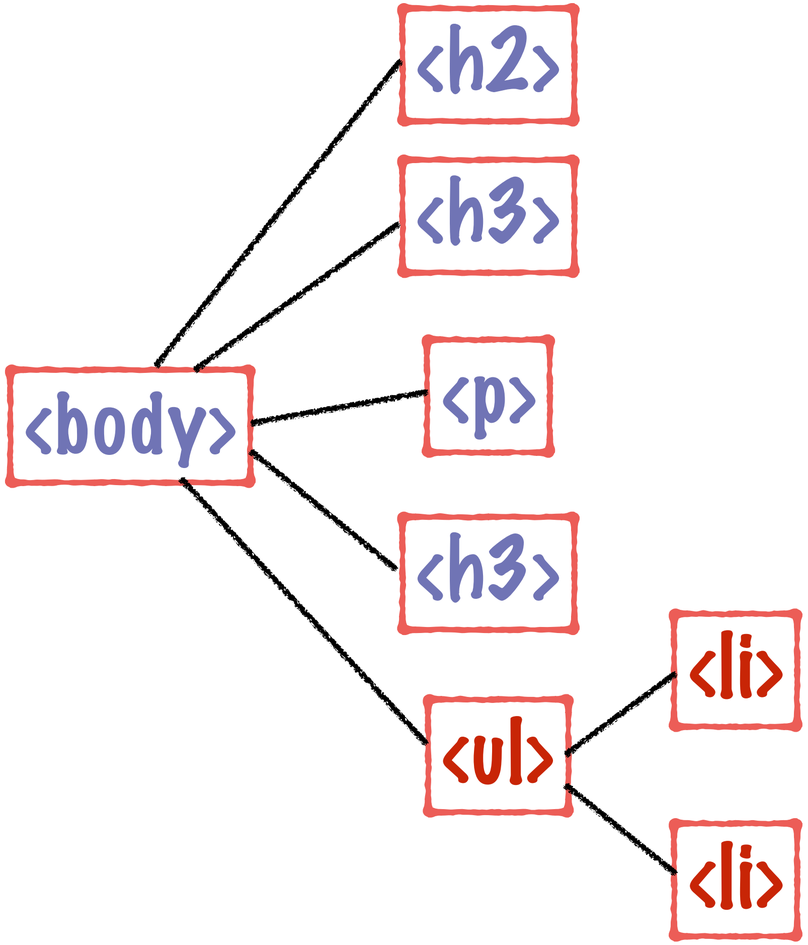

NOTE THAT NOT ONLY THE <ul> ELEMENT BUT ALSO ITS NESTED <li> ELEMENTS SHOW UP IN RED

```
ul {
    color: red;
}
```

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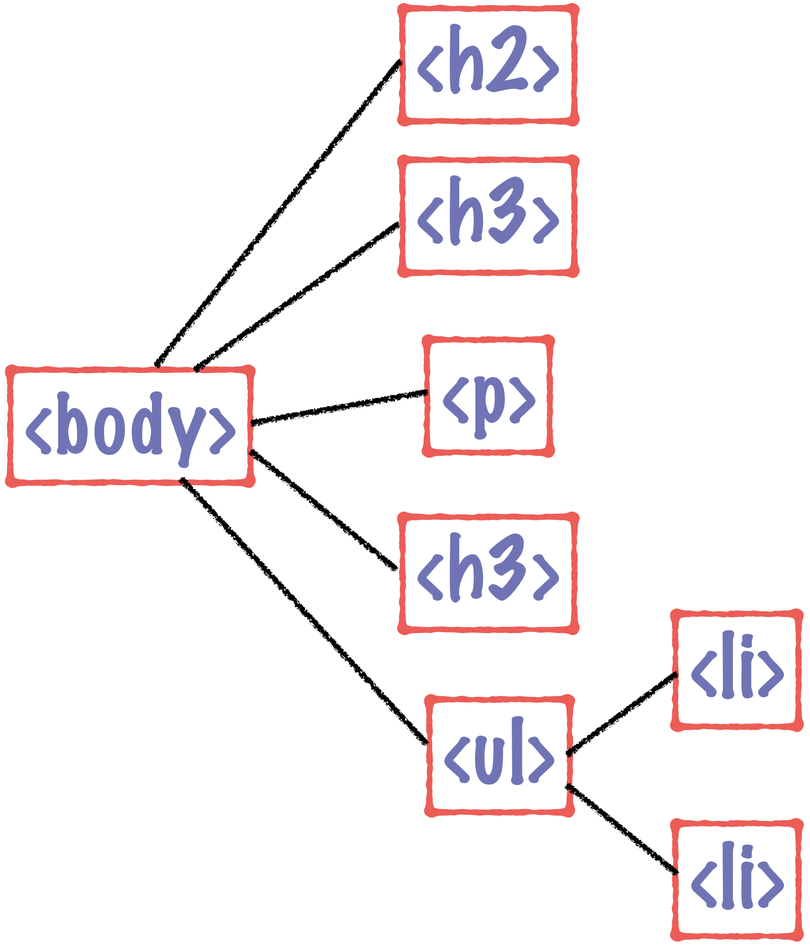
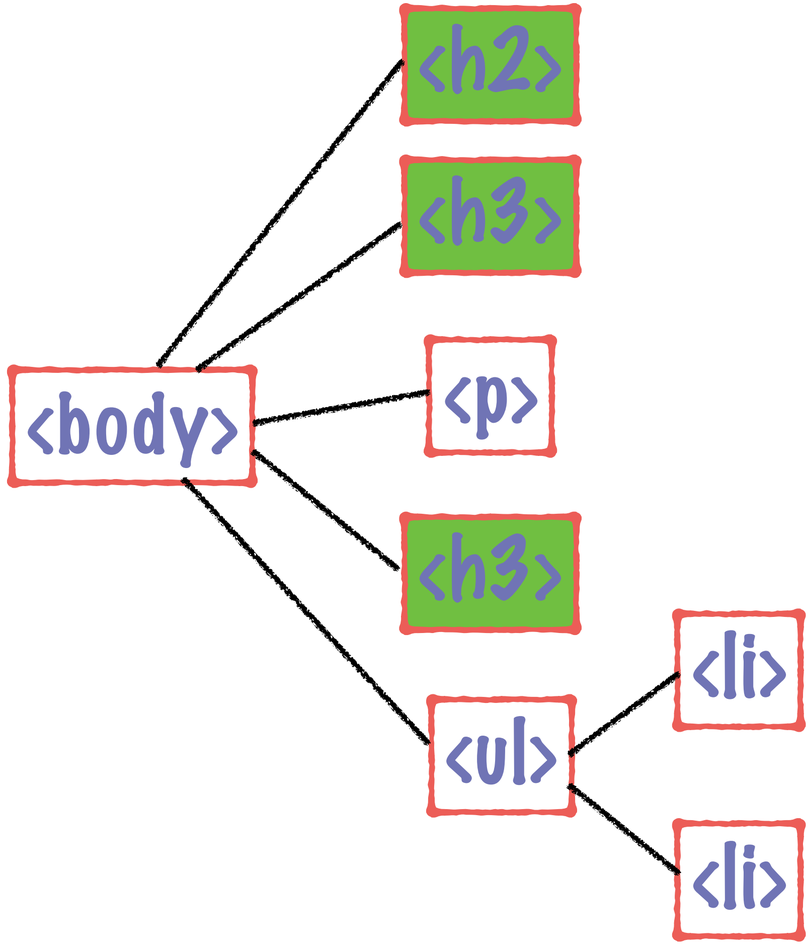


WHAT IF YOU NOW WANTED ALL THE HEADERS TO BE OF FONT SIZE 40px?

WE HAVE <h2> AND <h3> HEADERS AND THE SAME STYLE SHOULD BE APPLIED TO BOTH

```
h2, h3 {
    font-size: 40px;
}
```

CSS INHERITANCE




```
h2, h3 {
    font-size: 40px;
}
```

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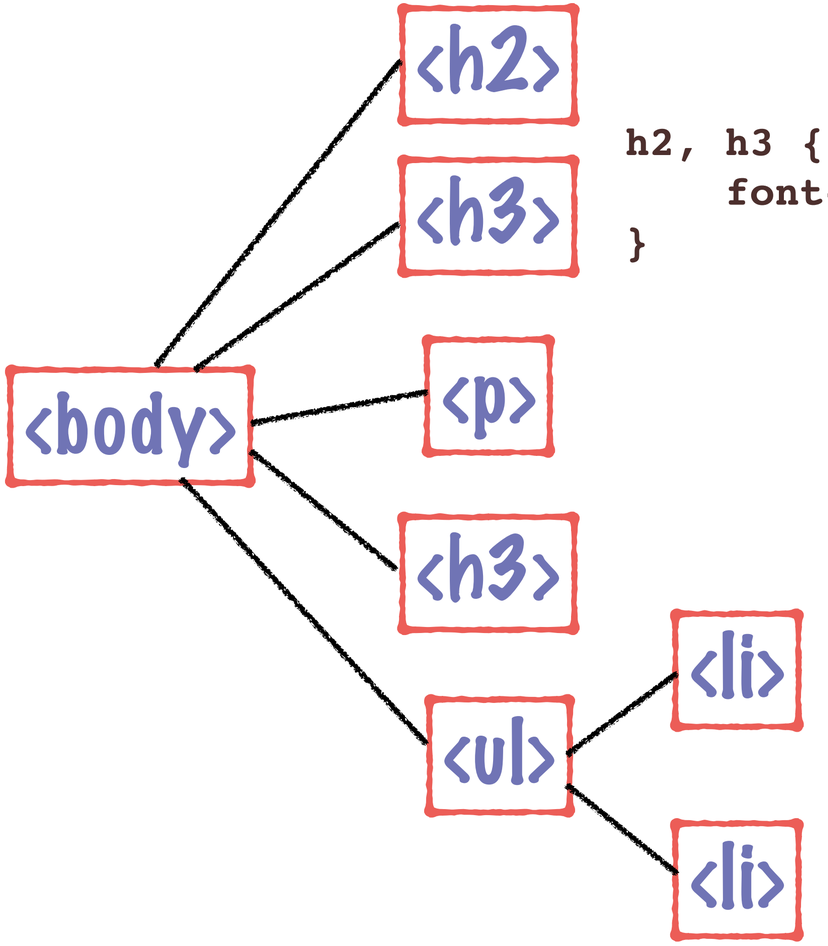
NOTE THAT THE HEADERS LOOK THE SAME NOW.. PROBABLY NOT WHAT YOU WANTED...

CSS INHERITANCE




```
h2, h3 {
     font-size: 40px;
}
```

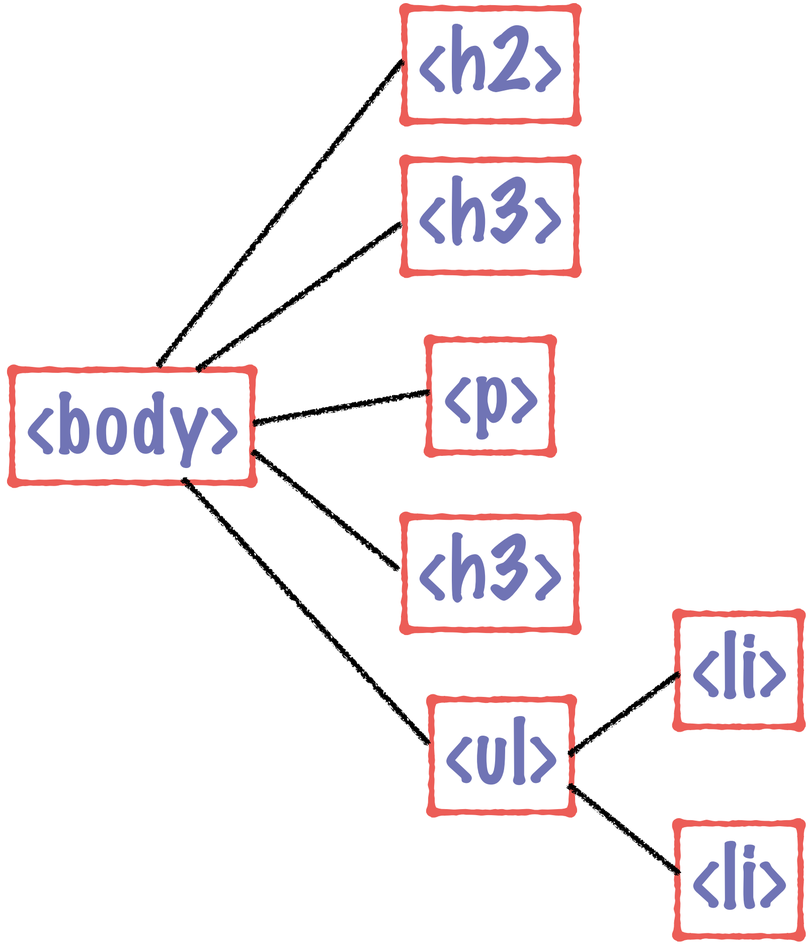
NOTE THAT THE HEADERS LOOK THE SAME NOW.. PROBABLY NOT WHAT YOU WANTED...

SAY YOU ONLY WANT <h3> IN ITALICS, NOT <h2>

```
h3 {
     font-style: italic;
}
```

BOTH HEADERS WILL HAVE FONT 40PX BUT ONLY <h3> WILL BE ITALICIZED

CSS INHERITANCE




```
h2, h3 {
    font-size: 40px;
}

h3 {
    font-style: italic;
}
```

BOTH HEADERS WILL HAVE FONT 40PX BUT ONLY <h3> WILL BE ITALICIZED

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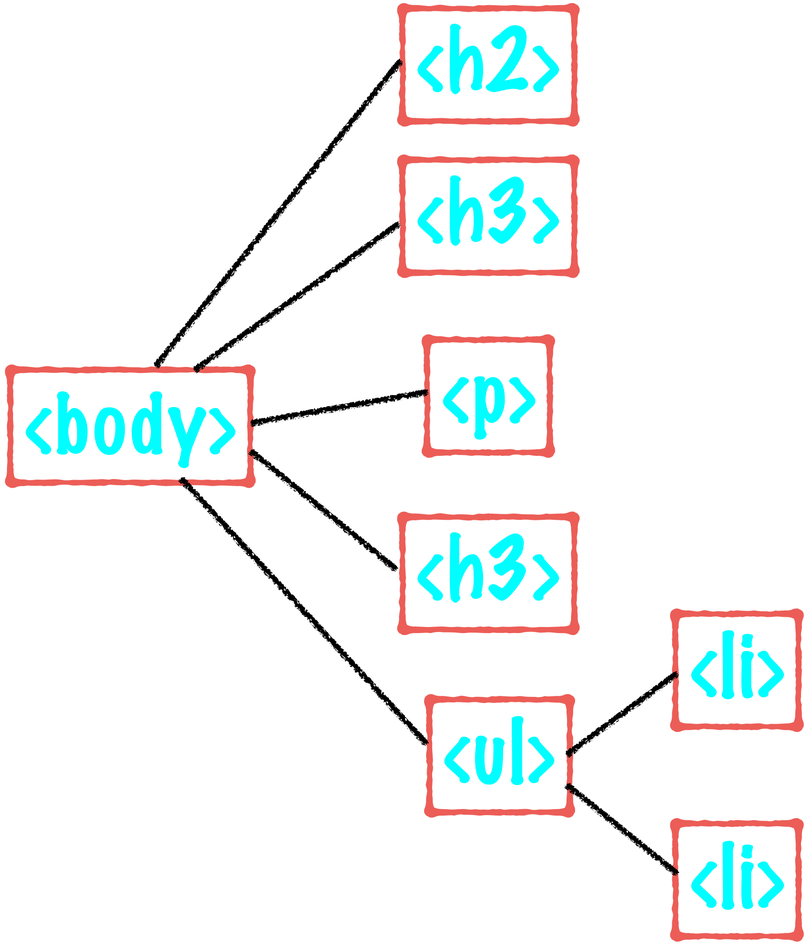
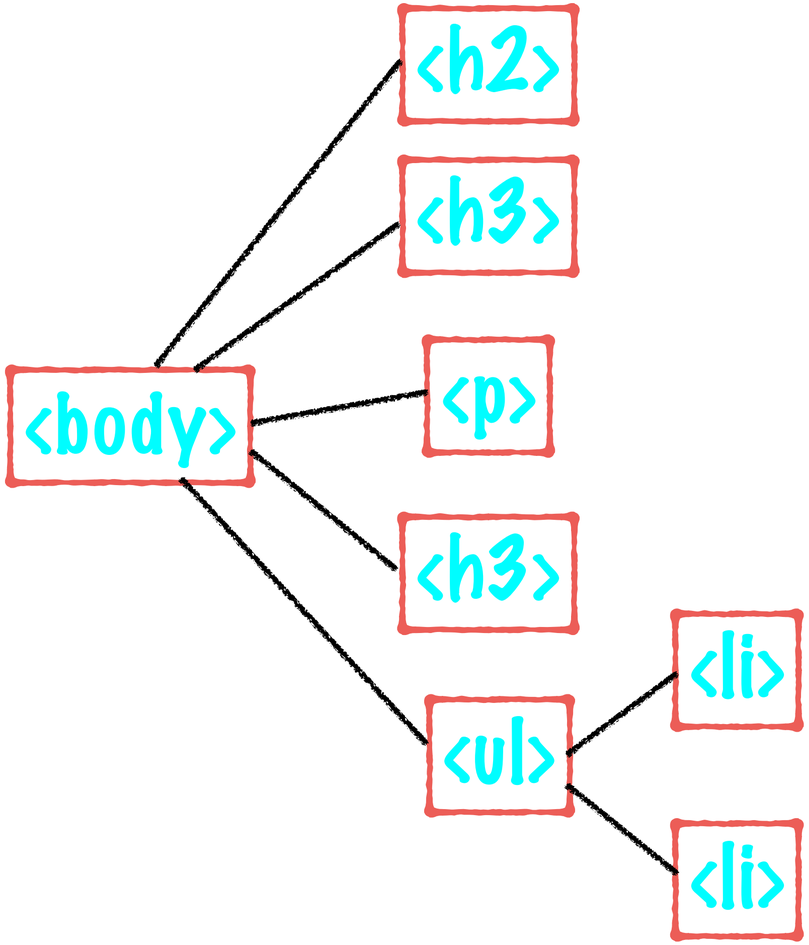


THE ENTIRE BODY HAS BACKGROUND CYAN BECAUSE THAT STYLE IS INHERITED BY ALL **NESTED** ELEMENTS

BUT WHAT IF AN **ELEMENT WANTS ITS OWN DIFFERENT BACKGROUND COLOR**, SAY YOU WANT <p> TO HAVE SOME KIND OF A GREEN BACKGROUND?

CSS INHERITANCE

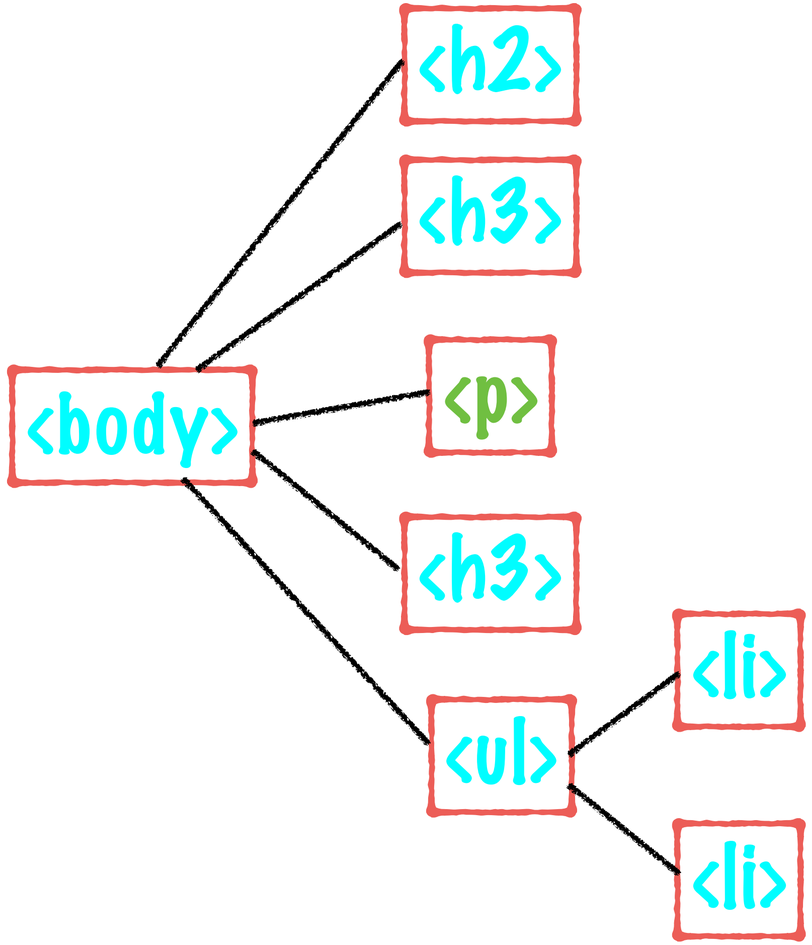


BUT WHAT IF AN ELEMENT WANTS ITS OWN DIFFERENT BACKGROUND COLOR, SAY YOU WANT <p> TO HAVE SOME KIND OF A GREEN BACKGROUND?

```
p {
    background-color: lawngreen;
}
```

CSS INHERITANCE

```
p {
    background-color: lawngreen;
}
```



ONLY ALL <p> ELEMENTS NOW HAVE A DIFFERENT BACKGROUND COLOR!

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CSS INHERITANCE

YOU INHERIT THE STYLE OF THE PARENT ELEMENT UNLESS YOU CHANGE IT SPECIFICALLY TO SOMETHING ELSE!

YOU CAN SPECIFY MULTIPLE ELEMENTS AND APPLY THE SAME STYLE TO THEM IN ONE GO

THERE ARE A WHOLE BUNCH OF DIFFERENT STYLES THAT CSS PROVIDES!

CSS INHERITANCE

```
body {
    background-color: cyan;
    font-family: sans-serif;
}

ul {
    color: red;
}

h2, h3 {
    font-size: 40px;
}

h3 {
    font-style: italic;
}

p {
    background-color: lawngreen;
}
```

THIS IS THE COMPLETE CSS FILE

FOR EACH ELEMENT THE **MORE SPECIFIC** **STYLES** OVERRIDE THE STYLES WHICH IT MIGHT HAVE **INHERITED** FROM IT'S PARENT ELEMENTS