

CSS

(The parts you'll use)

What is CSS?

- Describes the look of markup languages

What is CSS?

- Describes the look of markup languages
- Most often used with HTML

What is CSS?

- Describes the look of markup languages
- Most often used with HTML
- Can be used with any kind of XML document

CSS Added to HTML

Added to HTML 4.0 to solve a problem

CSS Added to HTML

HTML tags like `` and `color =` bad



CSS Added to HTML

HTML tags like `` and `color` = bad



It's a nightmare for web developers!

My nightmare =>



CSS Added to HTML

CSS can be added as attributes = Bad

CSS Added to HTML

CSS can be added as attributes = Bad

CSS placed inside the `<style>` tag = Still bad

CSS Added to HTML

CSS can be added as attributes = Bad

CSS placed inside the `<style>` tag = Still bad

CSS placed in its own `.css` file = Very good

CSS Added to HTML

CSS helps organization

CSS Added to HTML

CSS helps organization

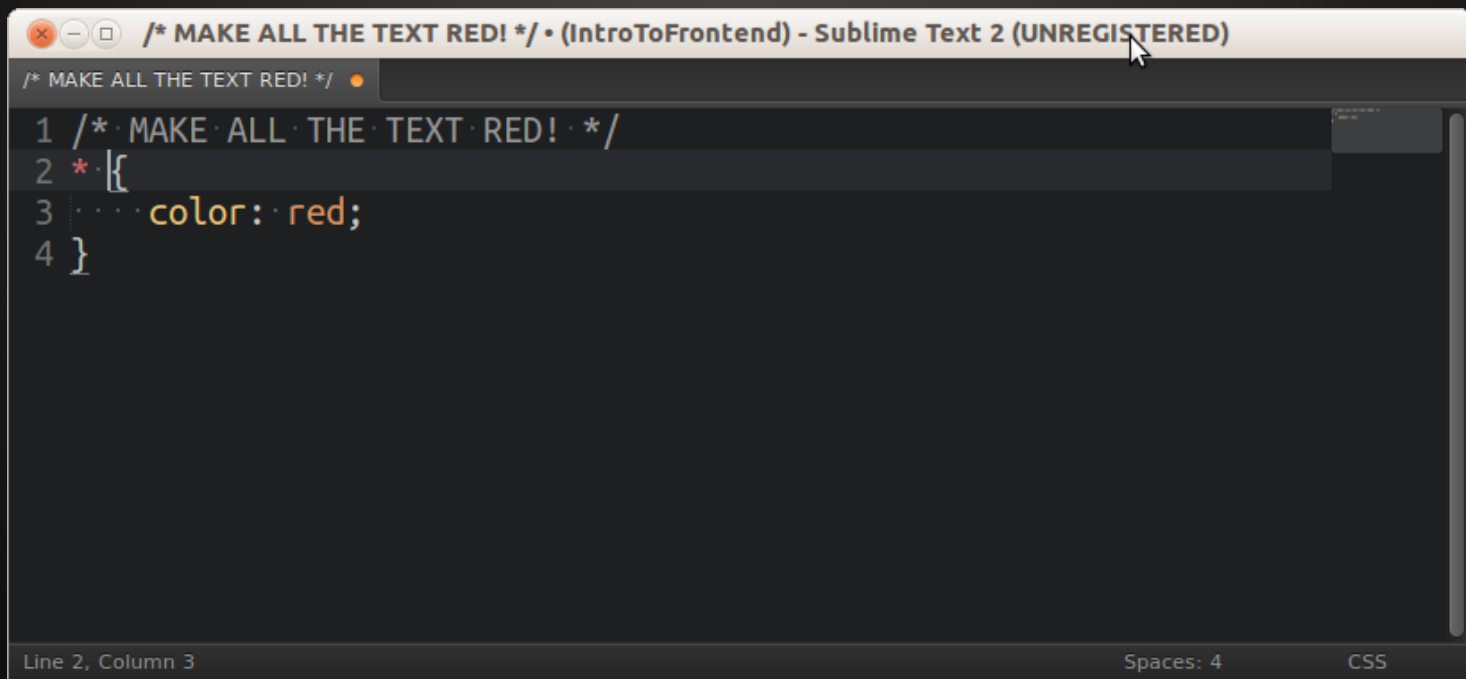
CSS helps maintain a style across the site

CSS Selectors

* = everything

CSS Selectors

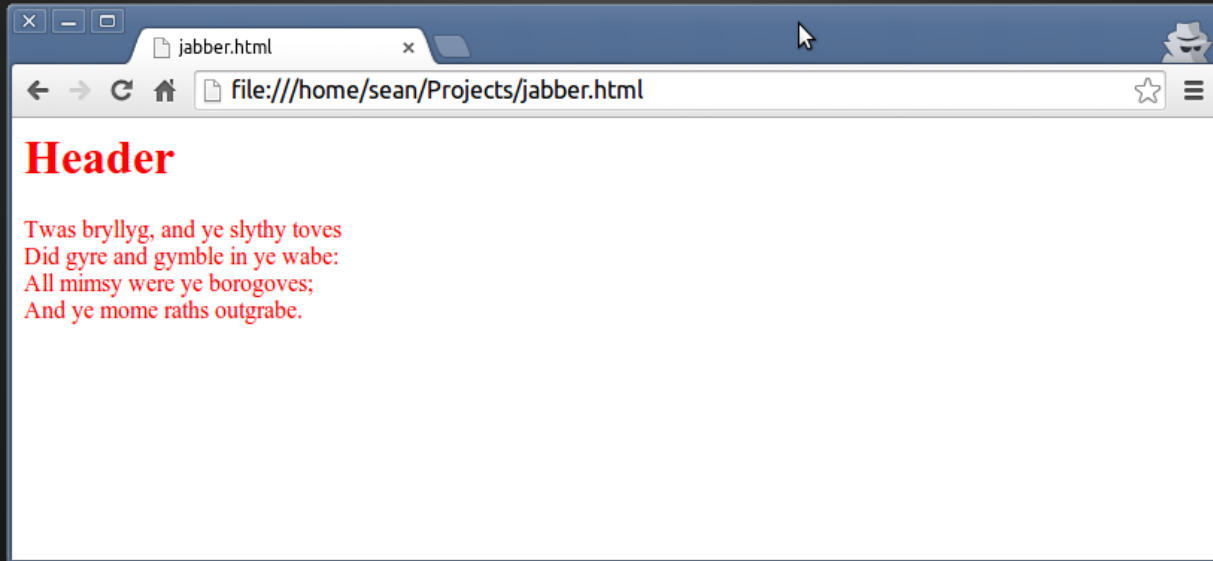
* = everything

A screenshot of a Sublime Text 2 editor window. The title bar at the top reads "/* MAKE ALL THE TEXT RED! */ • (IntroToFrontend) - Sublime Text 2 (UNREGISTERED)". The editor area shows four lines of CSS code: Line 1: `/* MAKE ALL THE TEXT RED! */`, Line 2: `*{`, Line 3: `color: red;`, and Line 4: `}`. The code is syntax-highlighted. The status bar at the bottom indicates "Line 2, Column 3", "Spaces: 4", and "CSS".

```
/* MAKE ALL THE TEXT RED! */  
*{  
  color: red;  
}
```

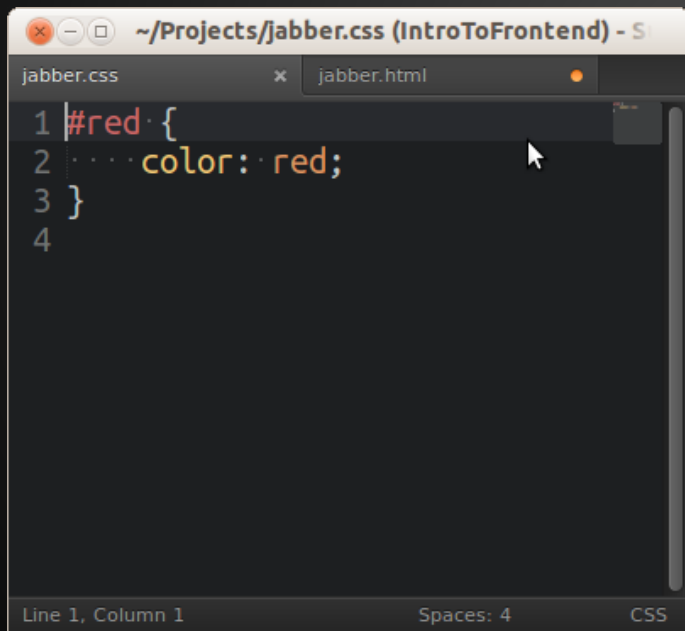
CSS Selectors

* = everything



CSS Selectors

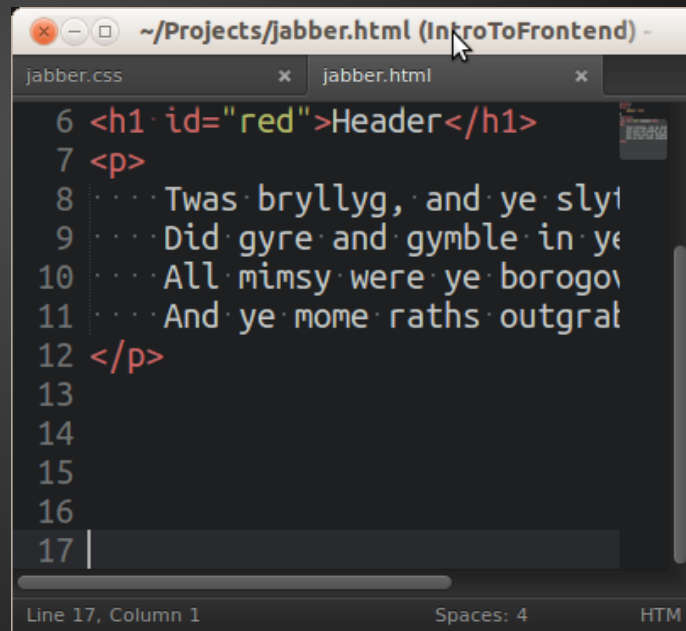
#x = Target ID



The screenshot shows a code editor window titled '~/Projects/jabber.css (IntroToFrontend) - S'. It has two tabs: 'jabber.css' and 'jabber.html'. The 'jabber.css' tab is active, displaying the following CSS code:

```
1 #red {  
2   color: red;  
3 }  
4
```

The status bar at the bottom indicates 'Line 1, Column 1', 'Spaces: 4', and 'CSS'.



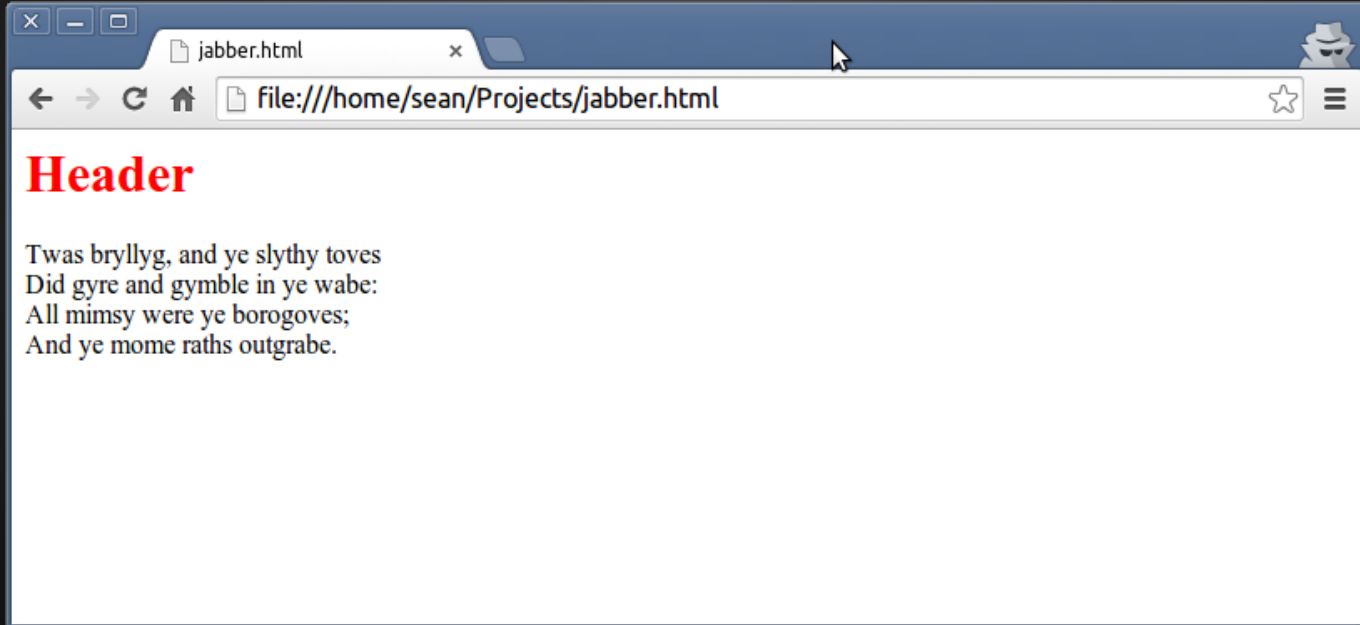
The screenshot shows a code editor window titled '~/Projects/jabber.html (IntroToFrontend) -'. It has two tabs: 'jabber.css' and 'jabber.html'. The 'jabber.html' tab is active, displaying the following HTML code:

```
6 <h1 id="red">Header</h1>  
7 <p>  
8   Twas bryllyg, and ye slyt  
9   Did gyre and gymblye in ye  
10  All mimsy were ye borogov  
11  And ye mome raths outgrat  
12 </p>  
13  
14  
15  
16  
17
```

The status bar at the bottom indicates 'Line 17, Column 1', 'Spaces: 4', and 'HTML'.

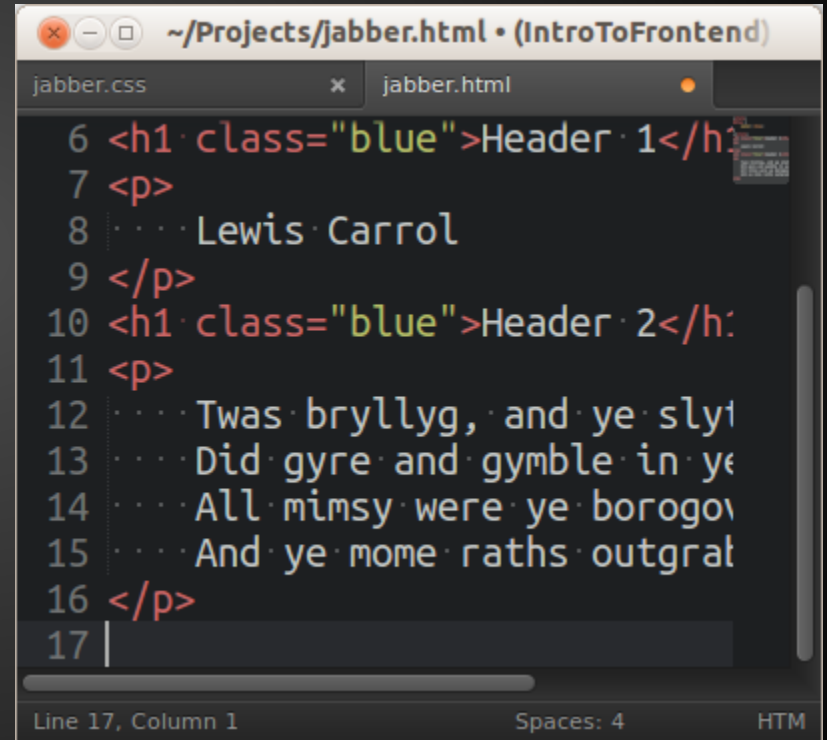
CSS Selectors

#x = Target ID



CSS Selectors

.x = Target Class



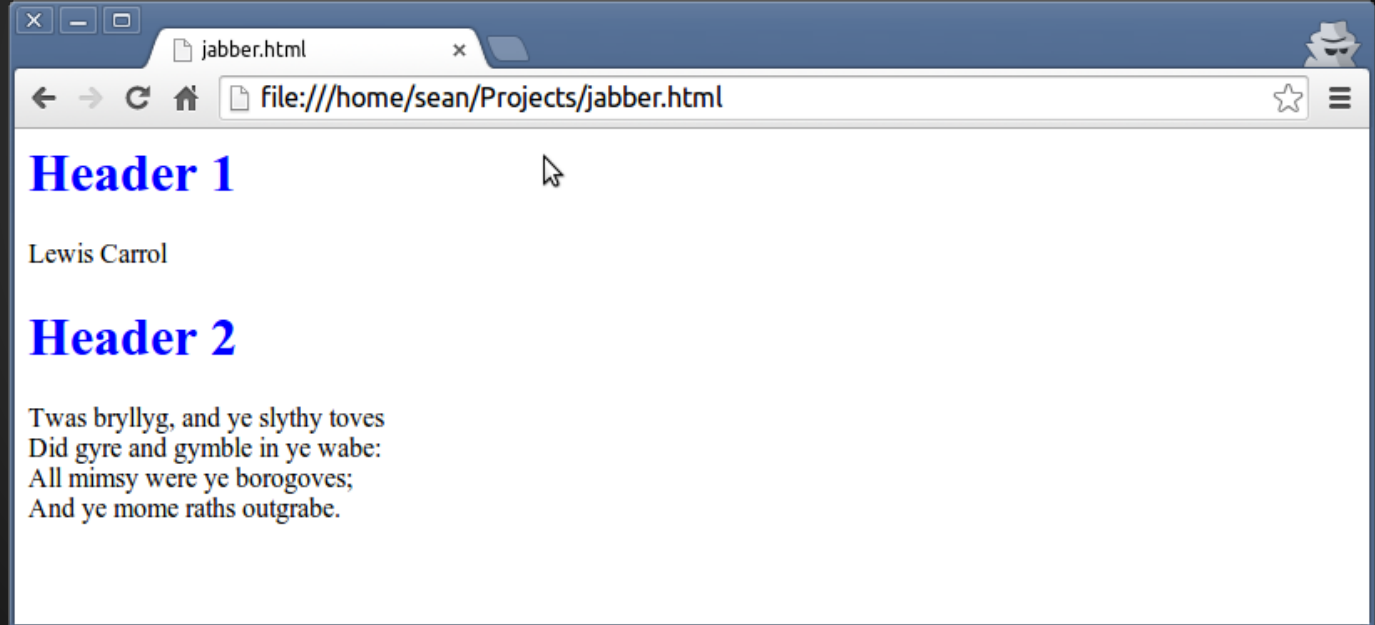
The screenshot shows a code editor window titled `~/Projects/jabber.html • (IntroToFrontend)`. It contains two tabs: `jabber.css` and `jabber.html`. The `jabber.html` tab is active, displaying the following HTML code:

```
6 <h1 class="blue">Header 1</h1>
7 <p>
8   ... Lewis Carrol
9 </p>
10 <h1 class="blue">Header 2</h1>
11 <p>
12   ... Twas bryllyg, and ye slyt
13   ... Did gyre and gybble in ye
14   ... All mimsy were ye borogov
15   ... And ye mome raths outgrat
16 </p>
17 |
```

The code uses the `class="blue"` selector to target specific HTML elements. The status bar at the bottom indicates `Line 17, Column 1`, `Spaces: 4`, and `HTM`.

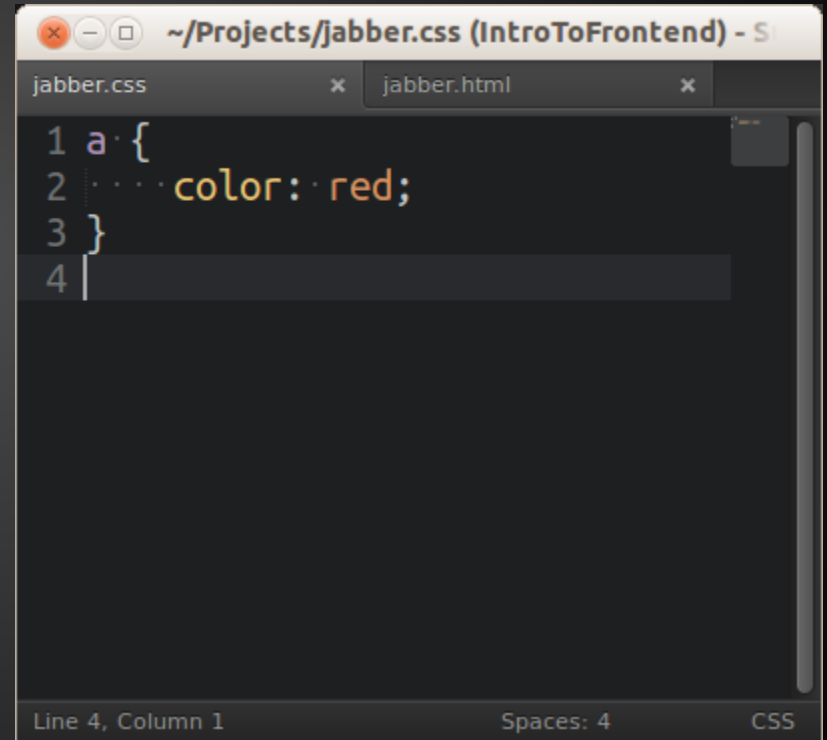
CSS Selectors

.x = Target Class



CSS Selectors

x = Target element

A screenshot of a code editor window titled "~/Projects/jabber.css (IntroToFrontend) - S". The editor has two tabs: "jabber.css" and "jabber.html". The "jabber.css" tab is active, showing the following CSS code:

```
1 a {  
2   color: red;  
3 }  
4 |
```

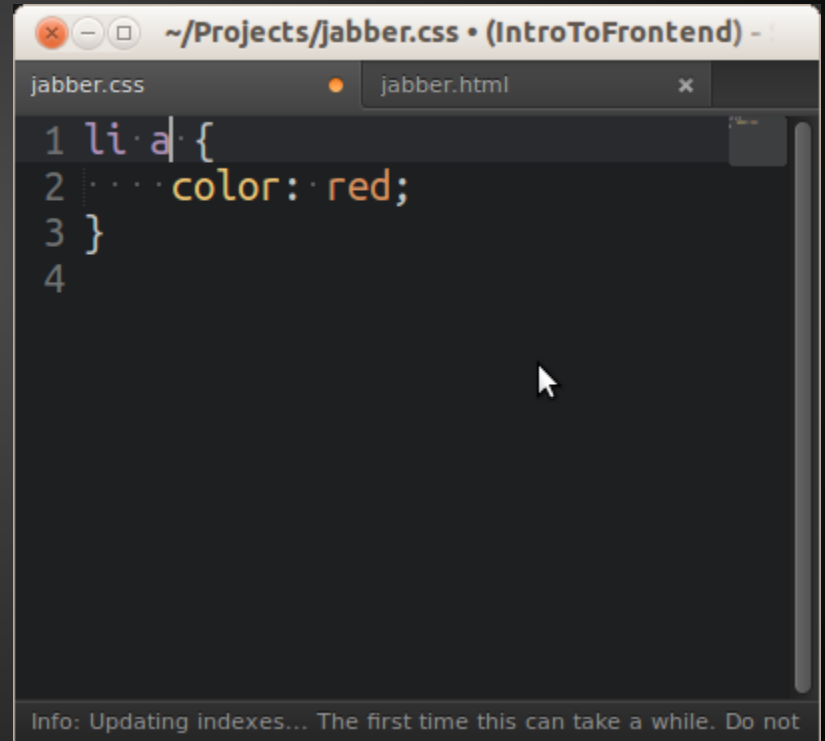
The code is syntax-highlighted, with "a" in purple, "color" in orange, and "red" in red. The cursor is at the end of line 4. The status bar at the bottom indicates "Line 4, Column 1", "Spaces: 4", and "CSS".

```
1 a {  
2   color: red;  
3 }  
4 |
```

Line 4, Column 1 Spaces: 4 CSS

CSS Selectors

x y = Descendant



A screenshot of a code editor window titled "~/Projects/jabber.css • (IntroToFrontend) -". The editor has two tabs: "jabber.css" and "jabber.html". The "jabber.css" tab is active, showing the following CSS code:

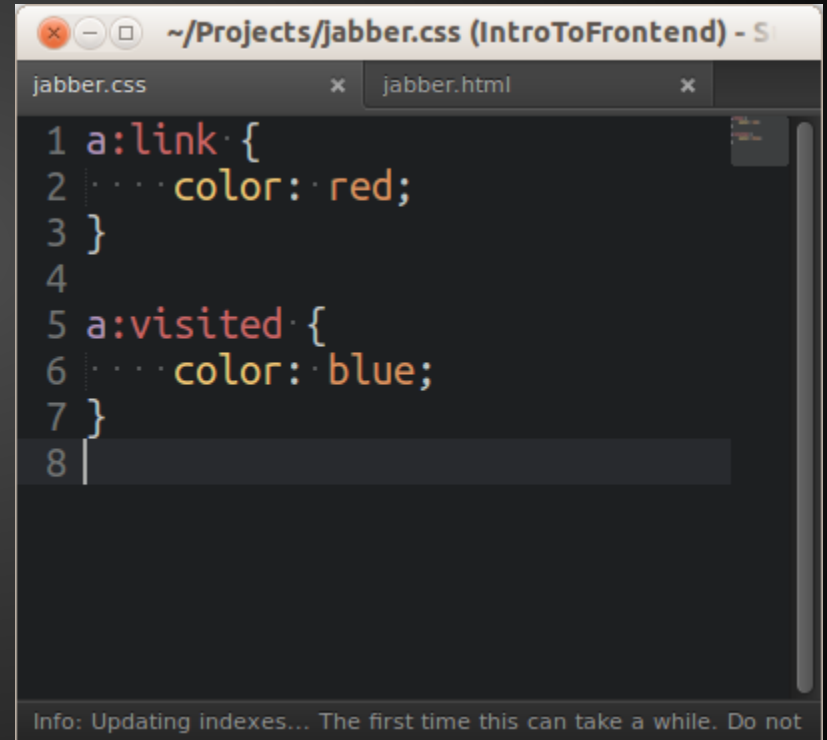
```
1 li a {  
2   color: red;  
3 }  
4
```

The code uses a descendant selector "li a" to target all `a` elements that are descendants of `li` elements. The text "color: red;" is highlighted in orange. A mouse cursor is visible near the bottom right of the code area. At the bottom of the editor, a status bar displays the message: "Info: Updating indexes... The first time this can take a while. Do not".

CSS Selectors

:link, :visited, :hover

= Pseudo-classes



The screenshot shows a code editor window titled "~/Projects/jabber.css (IntroToFrontend) - S". It contains two tabs: "jabber.css" and "jabber.html". The "jabber.css" tab is active, displaying the following CSS code:

```
1 a:link {  
2   color: red;  
3 }  
4  
5 a:visited {  
6   color: blue;  
7 }  
8 |
```

The code is syntax-highlighted, with "a:link" and "a:visited" in purple, "color" in orange, and "red" and "blue" in red. A vertical scrollbar is visible on the right side of the editor. At the bottom of the window, a status bar displays the message: "Info: Updating indexes... The first time this can take a while. Do not".

CSS Selectors

$x + y = \text{Adjacent}$



A screenshot of a code editor window titled `~/Projects/jabber.css • (IntroToFrontend)`. The editor has two tabs: `jabber.css` (active) and `jabber.html`. The CSS code in the `jabber.css` tab is as follows:

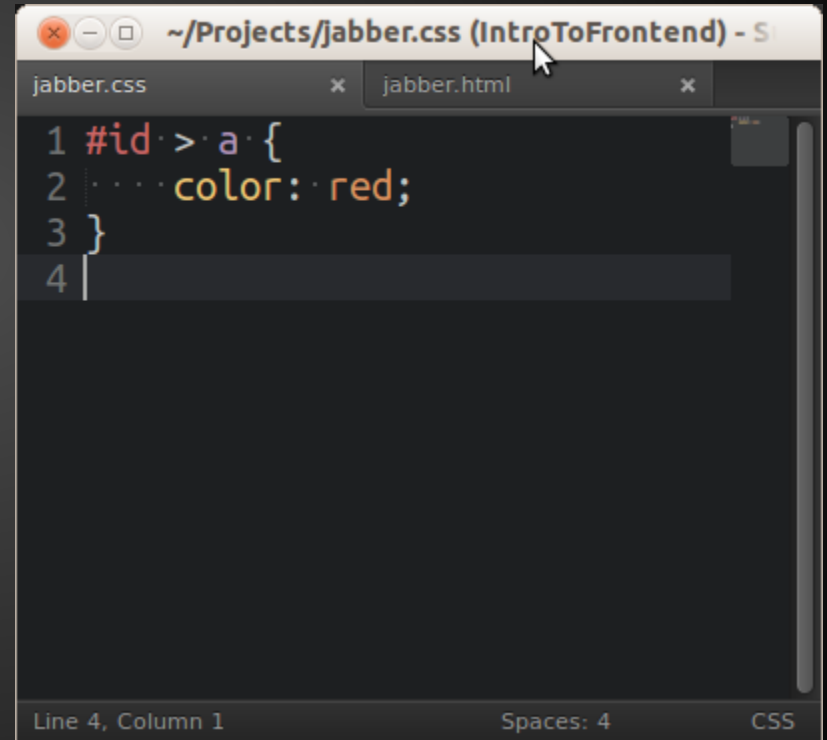
```
1 ul + p {  
2   color: red;  
3 }  
4
```

The code uses the `ul + p` selector, which is an adjacent selector. The text `Info: Updating indexes... The first time this can take a while. Do not` is visible at the bottom of the editor window.

CSS Selectors

$x > y$

= Direct descendant



The screenshot shows a code editor window titled "~/Projects/jabber.css (IntroToFrontend) - S". It has two tabs: "jabber.css" and "jabber.html". The "jabber.css" tab is active, displaying the following CSS code:

```
1 #id > a {  
2   color: red;  
3 }  
4 |
```

The code is line-numbered 1 through 4. The selector `#id > a` is on line 1, and the rule body `color: red;` is on line 2. The cursor is at the end of line 4, column 1. The status bar at the bottom indicates "Line 4, Column 1", "Spaces: 4", and "CSS".

Lots More CSS Selectors Out There

Additional reading:

The 30 CSS Selectors you Must Memorize:

<http://bit.ly/1az70fH>

Child and Sibling Selectors:

<http://bit.ly/1iGRYSs>