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HTML Lab – Part 1 (2025)

In this exercise, you will create three webpages by following the directions provided.

Part 1

The band the Barenaked Ladies has a popular song titled "One Week". Using Visual Studio Code, create a new webpage that displays the lyrics to this crazy song. The lyrics to the song are as follows:

It's been one week since you looked at me
Cocked your head to the side and said, "I'm angry"
Five days since you laughed at me
Saying, "Get that together, come back and see me"
Three days since the living room
I realized it's all my fault, but couldn't tell you
Yesterday, you'd forgiven me
But it'll still be two days 'til I say I'm sorry

Hold it now and watch the hoodwink
As I make you stop, think
You'll think you're looking at Aquaman
I summon fish to the dish, although I like the Chalet Swiss
I like the sushi 'cause it's never touched a frying pan
Hot like wasabi when I bust rhymes
Big like LeAnn Rimes, because I'm all about value
Bert Kaempfert's got the mad hits
You try to match wits, you try to hold me but I bust through
Gonna make a break and take a fake
I'd like a stinking aching shake
I like vanilla, it's the finest of the flavors
Gotta see the show, 'cause then you'll know
The vertigo is gonna grow
'Cause it's so dangerous, you'll have to sign a waiver

How can I help it if I think you're funny when you're mad?
Trying hard not to smile, though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean? Well, you soon will
I have a tendency to wear my mind on my sleeve
I have a history of taking off my shirt

It's been one week since you looked at me

Threw your arms in the air and said, "You're crazy"
Five days since you tackled me
I've still got the rug burns on both my knees
It's been three days since the afternoon
You realized it's not my fault not a moment too soon
Yesterday, you'd forgiven me
And now I sit back and wait 'til you say you're sorry

Chickity China, the Chinese chicken
You have a drumstick and your brain stops tickin'
Watching X-Files with no lights on
We're dans la maison
I hope the Smoking Man's in this one
Like Harrison Ford, I'm getting frantic
Like Sting, I'm tantric
Like Snickers, guaranteed to satisfy
Like Kurosawa, I make mad films, 'kay, I don't make films
But if I did they'd have a Samurai
Gonna get a set of better clubs
Gonna find the kind with tiny nubs
Just so my irons aren't always flying off the back-swing
Gotta get in tune with Sailor Moon
'Cause that cartoon has got the boom anime babes
That make me think the wrong thing

How can I help it if I think you're funny when you're mad?
Trying hard not to smile, though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean? You soon will
I have a tendency to wear my mind on my sleeve
I have a history of losing my shirt

It's been one week since you looked at me
Dropped your arms to the sides and said, "I'm sorry"
Five days since I laughed at you and said
"You just did just what I thought you were gonna do"
Three days since the living room
We realized we're both to blame but what could we do?
Yesterday, you just smiled at me
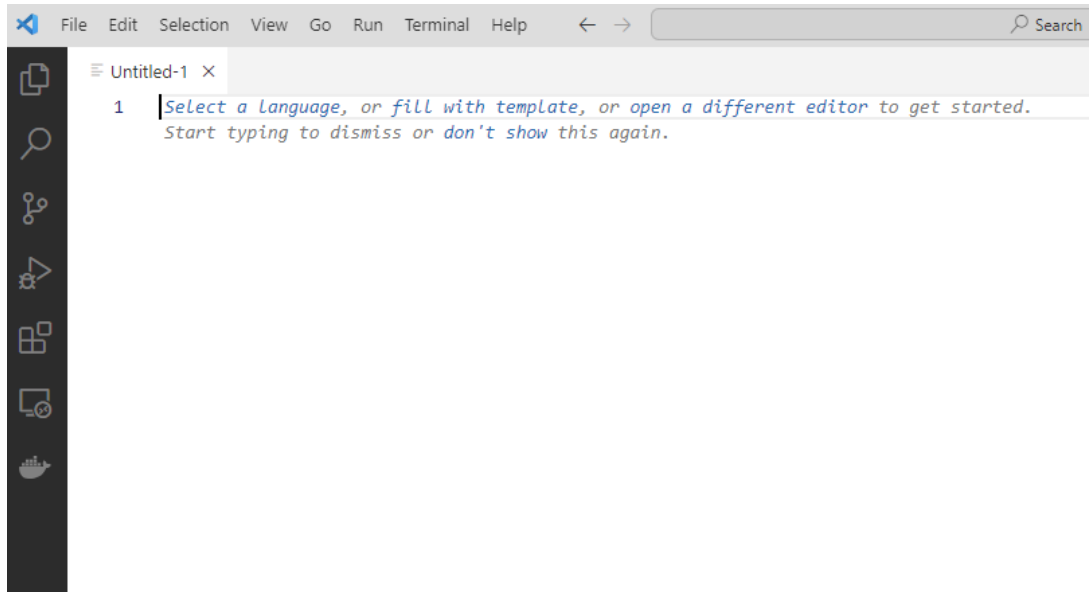'Cause it'll still be two days 'til we say we're sorry

It'll still be two days 'til we say we're sorry
It'll still be two days 'til we say, "Wasabi"
Birchmount Stadium, home of the Robbie

Start off by creating a new document. Save the document as oneweek.html. Visual Studio Code
should by default switch to understand HTML and help with code completion.

Create a basic structure:

Using Visual Studio Code:

Create a new document (pick File/New Text File).

Click on Select a Language and pick HTML.

Next, go to the first character position at the top of the file and type ! and then hit the tab key. You will get a macro that writes the following:

Inside the title tag, put One Week – Barenaked Ladies. In Visual Code, simply remove the Document for the required text.
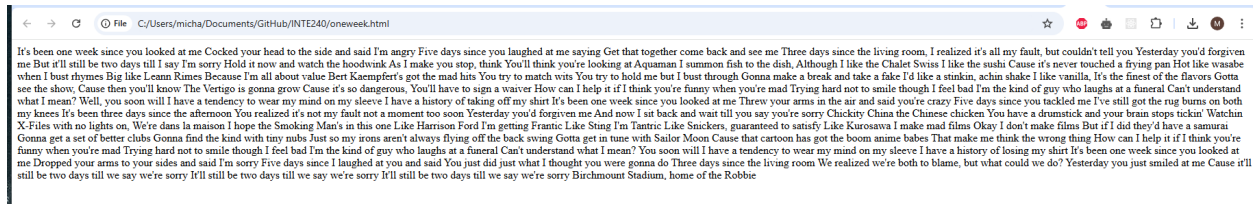
Next, copy and paste the lyrics inside of the body tag.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>One Week | Barenaked Ladies</title>
</head>
<body>
    <p>It's been one week since you looked at me
Cocked your head to the side
and said I'm angry
Five days since you laughed at me saying
Get that together come back and see me
Three days since the living room,
I realized it's all my fault, but couldn't tell you
Yesterday you'd forgiven me
But it'll still be two days till I say I'm sorry </p>
Hold it now and watch the hoodwink
As I make you stop, think
You'll think you're looking at Aquaman
I summon fish to the dish,
Although I like the Chalet Swiss
I like the sushi
Cause it's never touched a frying pan
Hot like wasabe when I bust rhymes
Big like Leann Rimes
Because I'm all about value
Bert Kaempfert's got the mad hits
You try to match wits
You try to hold me but I bust through
Gonna make a break and take a fake
I'd like a stinkin, achin shake
I like vanilla, It's the finest of the flavors
Gotta see the show,
Cause then you'll know
The Vertigo is gonna grow
Cause it's so dangerous,
You'll have to sign a waiver
How can I help it if I think you're funny when you're mad
Trying hard not to smile though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean?
Well, you soon will
I have a tendency to wear my mind on my sleeve
I have a history of taking off my shirt
It's been one week since you looked at me
Threw your arms in the air and said you're crazy
Five days since you tackled me
I've still got the rug burns on both my knees
It's been three days since the afternoon
You realized it's not my fault not a moment too soon
Yesterday you'd forgiven me
And now I sit back and wait till you say you're sorry
Chickity China the Chinese chicken
You have a drumstick and your brain stops tickin'
Watchin X-Files with no lights on,
We're dans la maison
I hope the Smoking Man's in this one
Like Harrison Ford I'm getting Frantic
Like Sting I'm Tantric
Like Snickers, guaranteed to satisfy
Like Kurosawa I make mad films
Okay I don't make films
But if I did they'd have a samurai
Gonna get a set of better clubs
Gonna find the kind with tiny nubs
Just so my irons aren't always flying off the back swing
Gotta get in tune with Sailor Moon
Cause that cartoon has got the boom anime babes
That make me think the wrong thing
How can I help it if I think you're funny when you're mad
Trying hard not to smile though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean?
You soon will
I have a tendency to wear my mind on my sleeve
I have a history of losing my shirt
It's been one week since you looked at me
Dropped your arms to your sides and said I'm sorry
Five days since I laughed at you and said
You just did just what I thought you were gonna do
Three days since the living room
We realized we're both to blame, but what could we do?
Yesterday you just smiled at me
Cause it'll still be two days till we say we're sorry
It'll still be two days till we say we're sorry
It'll still be two days till we say we're sorry
Birchmount Stadium, home of the Robbie
</body>
</html>
```

Save the file as oneweek.html to a folder you can push to GitHub (I created a folder INTE240, then open it in your web browser by viewing your desktop and double-clicking the file.

Not exactly what you thought it would show? See, in HTML, after the first space, the remaining spaces get ignored. So `<p>Hello there</p>` is the same as `<p>Hello there</p>`. Even if you change the title to `<title>One Week – Barenaked    Ladies</title>`, it would still be the same as before. Try it out to see.

Save your document. It should be called oneweek.html.

We have completed a webpage with some important tags in used every webpage. But what we are lacking is some structure. This is what we will do next. Make a copy of oneweek.html and call the copy oneweek2.html. You should have two files now. You can either use your computer file system or use Visual Studio Code to make a copy.

The `<pre>` tag:

The next tag was an overused tag. It is rarely used today and stands for preformatted. It was used by web developers that had a large quantity of Word documents that needed to be converted over to the web. The `<pre>` tag specifies the following text is preformatted and therefore does not ignore line breaks or extra spaces. While you can develop whole webpage without this tag, at this point in the course it can create structure very quickly, but at great long-term costs.

At the beginning of the lyrics put `<pre>` and at the end put `</pre>`. You will have to cut/paste when Visual Studio Code auto inserts the closing tag. Save your file then view your results, make sure you are opening the oneweek2.html file this time. If you put any extra spaces or lines within the `<pre>` tag, notice these get applied.

```html
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta name="viewport" content="width-device-width, initial-scale-1.0">
6        <title>One Week [] Barenaked Ladies</title>
7    </head>
8    <body>
9        <pre>
10           It's been one week since you looked at me
11           Cocked your head to the side
12           and said I'm angry
13           Five days since you laughed at me saying
14           Get that together come back and see me
15           Three days since the living room,
16           I realized it's all my fault, but couldn't tell you
17           Yesterday you'd forgiven me
18           But it'll still be two days till I say I'm sorry
19           Hold it now and watch the hoodwink
20           As I make you stop, think
21           You'll think you're looking at Aquaman
22           I summon fish to the dish,
23           Although I like the Chalet Swiss
24           I like the sushi
25           Cause it's never touched a frying pan
26           Hot like wasabe when I bust rhymes
27           Big like Leann Rimes
28           Because I'm all about value
29           Bert Kaempfert's got the mad hits
30           You try to match wits
31           You try to hold me but I bust through
32           Gonna make a break and take a fake
33           I'd like a stinkin, achin shake
34           I like vanilla, It's the finest of the flavors
35           Gotta see the show,
36           Cause then you'll know
37           The Vertigo is gonna grow
38           Cause it's so dangerous,
39           You'll have to sign a waiver
40           How can I help it if I think you're funny when you're mad
41           Trying hard not to smile though I feel bad
42           I'm the kind of guy who laughs at a funeral
43           Can't understand what I mean?
44           Well, you soon will
45           I have a tendency to wear my mind on my sleeve
46           I have a history of taking off my shirt
47           It's been one week since you looked at me
48           Threw your arms in the air and said you're crazy
49           Five days since you tackled me
50           I've still got the rug burns on both my knees
51           It's been three days since the afternoon
52           You realized it's not my fault not a moment too soon
53           Yesterday you'd forgiven me
54           And now I sit back and wait till you say you're sorry
55           Chickity China the Chinese chicken
56           You have a drumstick and your brain stops tickin'
57           Watchin X-Files with no lights on,
58           We're dans la maison
59           I hope the Smoking Man's in this one
60           Like Harrison Ford I'm getting Frantic
61           Like Sting I'm Tantric
62           Like Snickers, guaranteed to satisfy
63           Like Kurosawa I make mad films
64           Okay I don't make films
65           But if I did they'd have a samurai
66           Gonna get a set of better clubs
67           Gonna find the kind with tiny nubs
68           Just so my irons aren't always flying off the back swing
69           Gotta get in tune with Sailor Moon
70           Cause that cartoon has got the boom anime babes
71           That make me think the wrong thing
72           How can I help it if I think you're funny when you're mad
73           Trying hard not to smile though I feel bad
74           I'm the kind of guy who laughs at a funeral
75           Can't understand what I mean?
76           You soon will
77           I have a tendency to wear my mind on my sleeve
78           I have a history of losing my shirt
79           It's been one week since you looked at me
80           Dropped your arms to your sides and said I'm sorry
81           Five days since I laughed at you and said
82           You just did just what I thought you were gonna do
83           Three days since the living room
84           We realized we're both to blame, but what could we do?
85           Yesterday you just smiled at me
86           Cause it'll still be two days till we say we're sorry
87           It'll still be two days till we say we're sorry
88           It'll still be two days till we say we're sorry
89           Birchmount Stadium, home of the Robbie
90       </pre>
91   </body>
92   </html>
```

It's been one week since you looked at me
Cocked your head to the side
and said I'm angry
Five days since you laughed at me saying
Get that together come back and see me
Three days since the living room,
I realized it's all my fault, but couldn't tell you
Yesterday you'd forgiven me
But it'll still be two days till I say I'm sorry
Hold it now and watch the hoodwink
As I make you stop, think
You'll think you're looking at Aquaman
I summon fish to the dish,
Although I like the Chalet Swiss
I like the sushi
Cause it's never touched a frying pan
Hot like wasabe when I bust rhymes
Big like Leann Rimes
Because I'm all about value
Bert Kaempfert's got the mad hits
You try to match wits
You try to hold me but I bust through
Gonna make a break and take a fake
I'd like a stinkin, achin shake
I like vanilla, It's the finest of the flavors
Gotta see the show,
Cause then you'll know
The Vertigo is gonna grow
Cause it's so dangerous,
You'll have to sign a waiver
How can I help it if I think you're funny when you're mad
Trying hard not to smile though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean?
Well, you soon will
I have a tendency to wear my mind on my sleeve
I have a history of taking off my shirt
It's been one week since you looked at me
Threw your arms in the air and said you're crazy
Five days since you tackled me
I've still got the rug burns on both my knees
It's been three days since the afternoon
You realized it's not my fault not a moment too soon
Yesterday you'd forgiven me
And now I sit back and wait till you say you're sorry
Chickity China the Chinese chicken
You have a drumstick and your brain stops tickin'
Watchin X-Files with no lights on,
We're dans la maison
I hope the Smoking Man's in this one
Like Harrison Ford I'm getting Frantic
Like Sting I'm Tantric
Like Snickers, guaranteed to satisfy
Like Kurosawa I make mad films
Okay I don't make films
But if I did they'd have a samurai
Gonna get a set of better clubs
Gonna find the kind with tiny nubs
Just so my irons aren't always flying off the back swing
Gotta get in tune with Sailor Moon
Cause that cartoon has got the boom anime babes
That make me think the wrong thing
How can I help it if I think you're funny when you're mad
Trying hard not to smile though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean?
You soon will
I have a tendency to wear my mind on my sleeve
I have a history of losing my shirt
It's been one week since you looked at me
Dropped your arms to your sides and said I'm sorry
Five days since I laughed at you and said
You just did just what I thought you were gonna do
Three days since the living room
We realized we're both to blame, but what could we do?
Yesterday you just smiled at me
Cause it'll still be two days till we say we're sorry
It'll still be two days till we say we're sorry
It'll still be two days till we say we're sorry
Birchmount Stadium, home of the Robbie

The **`<pre>`** tag is useful in some situations, but we have little control over the webpage using it for most of the content. Instead, do this again but use modern techniques.

Make a copy of the original oneweek.html and call this oneweek3.html. Use oneweek3.html for the next part. Open oneweek3.html. There are many ways to open the file, explore some different manners to open the file.

Once you have the file open, find the first place where there should be a break. It is after the line "But it'll still be two days till I say I'm sorry" 9 lines down.

The **`<br>`** tag:

You can include a break by using the **`<br>`** tag. A **`<br>`** tag does not have a closing **`</br>`** tag. Most elements have start and end tags. The certain elements that do not are called void elements. After the word sorry, put **`<br>`**. Save and view your work in a browser. Change the screen size and see what occurs. You will see that the first verse all runs together. But, once you hit the word sorry, we break and start a new line.

The **`<p>`** tag:

The **`<p>`** tag is the paragraph tag. This again has a beginning and end tag. Put **`<p>`** at the beginning of the song, right before the word "It's". Put the closing tag **`</p>`** right before the **`<br>`** tag. Save and view the result.

At this point, the **`<br>`** and **`<p>`** tag look very similar, but the **`<p>`** tag is going to allow much easier customization of the content in future.

Remove the **`<br>`** tag and look at the result. The **`<br>`** tag just breaks to the next line, whereas currently the **`</p>`** tag has a break plus what looks like a blank line. This is not a blank line, but it is padding and margin, which we will discuss in CSS. This "blank line" is completely controllable and can be removed or enlarged if needed. But we are currently using the browsers default rendering of the **`<p>`** tag. Each browser might render this slightly different. There are ways to make it consistent on all browsers once we use CSS.

Add the next 10 **`<p>`** and **`</p>`** tags to finish the song. Remember, extra spaces or lines do not matter and get ignored. Notice how Code is helping you by highlighting any mistakes you might have made.

It's been one week since you looked at me Cocked your head to the side and said I'm angry Five days since you laughed at me saying Get that together come back and see me Three days since the living room, I realized it's all my fault, but couldn't tell you Yesterday you'd forgiven me But it'll still be two days till I say I'm sorry

Hold it now and watch the hoodwink As I make you stop, think You'll think you're looking at Aquaman I summon fish to the dish, Although I like the Chalet Swiss I like the sushi Cause it's never touched a frying pan

Hot like wasabe when I bust rhymes Big like Leann Rimes Because I'm all about value Bert Kaempfert's got the mad hits You try to match wits You try to hold me but I bust through

Gonna make a break and take a fake I'd like a stinkin, achin shake I like vanilla, It's the finest of the flavors Gotta see the show, Cause then you'll know The Vertigo is gonna grow Cause it's so dangerous, You'll have to sign a waiver

How can I help it if I think you're funny when you're mad Trying hard not to smile though I feel bad I'm the kind of guy who laughs at a funeral Can't understand what I mean? Well, you soon will I have a tendency to wear my mind on my sleeve I have a history of taking off my shirt

It's been one week since you looked at me Threw your arms in the air and said you're crazy Five days since you tackled me I've still got the rug burns on both my knees It's been three days since the afternoon You realized it's not my fault not a moment too soon Yesterday you'd forgiven me And now I sit back and wait till you say you're sorry

Chickity China the Chinese chicken You have a drumstick and your brain stops tickin' Watchin X-Files with no lights on, We're dans la maison I hope the Smoking Man's in this one Like Harrison Ford I'm getting Frantic Like Sting I'm Tantric Like Snickers, guaranteed to satisfy

Like Kurosawa I make mad films Okay I don't make films But if I did they'd have a samurai Gonna get a set of better clubs Gonna find the kind with tiny nubs Just so my irons aren't always flying off the back swing Gotta get in tune with Sailor Moon Cause that cartoon has got the boom anime babes That make me think the wrong thing

How can I help it if I think you're funny when you're mad Trying hard not to smile though I feel bad I'm the kind of guy who laughs at a funeral Can't understand what I mean? You soon will I have a tendency to wear my mind on my sleeve I have a history of losing my shirt

It's been one week since you looked at me Dropped your arms to your sides and said I'm sorry Five days since I laughed at you and said You just did just what I thought you were gonna do Three days since the living room We realized we're both to blame, but what could we do? Yesterday you just smiled at me Cause it'll still be two days till we say we're sorry

It'll still be two days till we say we're sorry It'll still be two days till we say we're sorry Birchmount Stadium, home of the Robbie

Now, go and add a **
** at the end of each line, but not the last line where the **</p>** is since already has a space. We get something like this:

```
<p>It's been one week since you looked at me<br>
Cocked your head to the side<br>
and said I'm angry<br>
Five days since you laughed at me saying<br>
Get that together come back and see me<br>
Three days since the living room,<br>
I realized it's all my fault, but couldn't tell you<br>
Yesterday you'd forgiven me<br>
But it'll still be two days till I say I'm sorry</p>
```

Insert **
** tags for the remainder of the song. Copy then paste the **
** to save time. Save and view

The **<h1>** - Adding a heading:

Now go to the beginning of the song right after the **<body>** tag and add:

```
<h1>One Week by Barenaked Ladies</h1>
```

Add a line under the title by using the **<hr>** - Horizontal Rule tag.

```
<h1>One Week by Barenaked Ladies</h1>
<hr>
```

<strong> tag

We have a bold tag **<b>** and a strong tag **<strong>** in HTML. Modern web design is moving towards the semantic web, where the HTML tags have a meaning rather than just doing something. So even though **<b>** and **<strong>** look the same, the strong tag gives more information. This will be more obvious when we do other examples like **<div>** vs. **<article>**. The **<strong>** element should be used when we want to show the contents are important, serious, or urgent. Use the bold tag when you just want to make the text slightly heavier.

Make the chorus strong.

```
<p><strong>
It's been one week since you looked at me<br>
Threw your arms in the air and said you're crazy<br>
Five days since you tackled me<br>
I've still got the rug burns on both my knees<br>
It's been three days since the afternoon<br>
You realized it's not my fault not a moment too soon<br>
Yesterday you'd forgiven me<br>
And now I sit back and wait till you say you're sorry</strong>
</p>
```
Notice it is in 2 places, but the second chorus is slightly different.

```
<p><strong>
```

It's been one week since you looked at me
Dropped your arms to your sides and said I'm sorry
Five days since I laughed at you and said
You just did just what I thought you were gonna do
Three days since the living room
We realized we're both to blame, but what could we do?
Yesterday you just smiled at me
Cause it'll still be two days till we say we're sorry
</p>

<em> tag

We have an italic **<i>** and emphasis **<em>** tag in HTML. It is very similar to bold and strong. In this song X- Flies is the name of a TV show and needs to be formatted. Since we don't really want to add emphasis to this, but more follow the traditional italicization rules, we will use the **<i>** tag.
Watchin <i>X-Files</i> with no lights on,

End Result:

How can I help it if I think you're funny when you're mad
Trying hard not to smile though I feel bad
I'm the kind of guy who laughs at a funeral
Can't understand what I mean?
Well, you soon will
I have a tendency to wear my mind on my sleeve
I have a history of taking off my shirt

It's been one week since you looked at me
Threw your arms in the air and said you're crazy
Five days since you tackled me
I've still got the rug burns on both my knees
It's been three days since the afternoon
You realized it's not my fault not a moment too soon
Yesterday you'd forgiven me
And now I sit back and wait till you say you're sorry

Chickity China the Chinese chicken
You have a drumstick and your brain stops tickin'
Watchin *X-Files* with no lights on,
We're dans la maison

Look for the reference to the banned in the US cartoon *Sailor Moon*. Make this italic. Note we use italic for song albums but not individual songs.

<cite> tag

The HTML **<cite>** tag is used to identify the title of a creative work, such as a book, song, or movie. It's often used to provide credit to the original creator or to cite a source of

information. Change the **`<i>`** tags to the proper **`<cite>`**.

`<a>` tag

You can use the **`<a>`** tag to create a hyperlink to another place.

Move to the line Chalet Swiss. It is 14 lines into the song. This is a reference to the casual Canadian restaurant Swiss Chalet. Let's make a link that when even any clicks on Chalet Swiss they go to the actual webpage for Swiss Chalet. We do this by using the **`<a>`** tag.

```
Although I like the <a href="http://www.swisschalet.com/">Chalet
Swiss</a><br>
```

Note the href is an element argument. It tells where you will go when you click on the link. The link itself is everything in between the opening and closing brackets for the **`<a>`** tag.

HTML tags can and many times are nested within each other. Make a link to the TV Series Sailor Moon (http://www.viz.com/sailor-moon),but keep the Sailor Moon in italic.

```
Gotta get in tune with <a href="http://www.viz.com/sailor-
moon"><cite>Sailor Moon</cite></a><br>
```

Save your file. Test the file. You should see a webpage for delicious chicken once you click on Chalet Swiss. Make sure all your files are saved. You should have oneweek.html, oneweek2.html, and oneweek3.html. Submit the three files to D2L for HTML Lab – Part 1. Push these files to GitHub as you will work with these later in the semester.