

# HTML

**http:// o.ooli.ca /html**

On the world wide web,

Using the computer o.ooli.ca,

Get the file /html and show it

## Tags

```
<p>This is my first web page.</p>
```

<p> tag shows where paragraph starts

</p> tag shows where paragraph ends

## Paragraphs

```
<p>This is my first web page.</p>
<p>I like coding.</p>
```

## Headings

<h1> to <h6> for different sized headings

```
<h1> Me </h1>
<p>This is my first web page.</p>
<p>I like coding.</p>
<h2> Things I Like </h2>
<p>I like candy</p>
```

## Italics and Bold

I am really, <i>really</i> <b>excited!!</b>

## Titles

```
<title> My Webpage </title>
```



To check for errors: right click → inspect element



In menus: Safari → Preferences → Advanced → Show Develop Menu  
ctrl - click → inspect element

## Empty Tags

```
<hr/>
```

```
<p>The library is at</p>
```

```
<p>3990 Major Mackenzie Drive East, <br/>
Markham, ON</p>
```

<hr/> = <hr></hr> = horizontal rule (draw a line)

<br/> = <br></br> = break (start a new line)

## Lists

```
<p>I like</p>
```

```
<ul>
```

```
<li> Princess Bubblegum </li>
```

```
<li> and Jake the Dog </li>
```

```
</ul>
```

<ul> for bullets (unordered list)

<ol> for numbered list (ordered list)

## Tables and Quotes

```
<table>
<tr> <td>Snoopy</td> <td>Beagle</td> </tr>
<tr> <td>Peter</td> <td>Rabbit</td> </tr>
<tr> <td>Winnie</td> <td>Bear</td> </tr>
<tr> <td>Wilbur</td> <td>Pig</td> </tr>
</table>
<blockquote>There's no place like
home</blockquote>
```

<tr> = table row, <td> = table data

## Images

```
<p>I like cats</p>
```

```

```

```

```

## Links

```
I love my
```

```
<a href="web/school.html"> classes </a>
```

# Styling

```
<p style="text-align: center; font-size: large;">Centered</p>
```

different styles to use

## Fonts

```
font-family: sans-serif;
              serif;
              monospace;
              fantasy;
font-weight: normal;
              bold;
              lighter;
font-style: normal;
              italic;
font-size: small;
           medium;
           large;
           150%;
           25px;
           3em;
text-align: center;
           left;
           right;
```

or use the name of any font on your computer

"pixels"

width of an "M"

## Colours

```
color: red;
```

other colours are aqua, black, blue, fuchsia, gray, green, lime, maroon, navy, olive, orange, purple, red, silver, teal, white, yellow, and many more

```
color: rgb(0, 255, 100);
```

amounts of red, green, and blue from 0 to 255

## Other Stuff

```
border: 1px solid black;
padding: 5px;
margin: 5px;
border-radius: 5px;
background-color: green;
background: linear-gradient(0deg, grey, white);
background: url('images/popcorn.jpg');
width: 20em; height: 20em;
position: absolute; left: 50px; top: 50px;
```

## Style the Background

Put this on top → **<!doctype html>**

Put everything inside <html> tags → **<html>**

Put things that don't show up in the <head> tag → **<head>**

Put things that do show up in the <body> tag → **<body style="background-color: beige;">**

Style the body tag to change the background

```
<!doctype html>
<html>
  <head>
    <title>My web page</title>
  </head>
  <body style="background-color: beige;">
    <h1>My web page</h1>
    <p>This is my web page.</p>
  </body>
</html>
```

# CSS Stylesheets

## Not a Paragraph

```
<p>This is a paragraph</p>
<p style="background-color: blue;">
  This is a blue box
</p>
<div style="background-color: blue;">
  This is a blue box
</div>
<p>This is <span style="color: red;">red</span></p>
```

if it's not really a paragraph, use <div> instead of <p> (text that starts on a new line). Use <span> instead of <b> or <i> (text that doesn't start a new line).

## Variants

```
<style>
div.button {
  background-color: lightgrey;
}
div.button: hover {
  background-color: grey;
}
div.button: active {
  background-color: darkgrey;
}
</style>
<div class="button">Click me</div>
```

Other useful variations are :link, :visited, :empty, and :focus

## Style All Paragraphs

```
<style>
p {
  color: red;
}
</style>
<p>all the paragraphs</p>
```

p for all <p> tags

The <style> tag normally goes inside a <head> tag

## Animation

```
<style>
p.button {
  background: linear-gradient(white, grey);
  padding: 5px;
  border-radius: 5px;
  box-shadow: 0px 0px 0.5em rgb(60,60,60) inset;
}
</style>

<p class="button">Move mouse here</p>

<style>
p.button: hover {
  position: relative;
  animation: shake 0.2s linear infinite alternate;
  -webkit-animation: shake 0.2s linear infinite alternate;
}
@keyframes shake {
  0% {left: 0px;}
  100% {left: 5px;}
}
@-webkit-keyframes shake {
  0% {left: 0px;}
  100% {left: 5px;}
}
</style>
```

## Style Some Things

```
<style>
b.big {
  font-size: 200%;
}
</style>
<p>It is
<b class="big">large</b>
and <b>strong</b> .</p>
```

only for <b> tags with class "big"

This <b> tag isn't of class "big"