

Write your name below and indicate your role,

Project Manager (PM), Recorder (R)

Name \_\_\_\_\_ Role \_\_\_\_\_

Name \_\_\_\_\_ Role \_\_\_\_\_

## Formatting Text

### Your Tasks

- ☐ Explore Text Formatting
- ☐ Predict the output of code using different headings and paragraph tags
- ☐ Have Ms. Pluska check off the above tasks
- ☐ Debug text formatting tag errors
- ☐ Style content with text formatting tags
- ☐ Receive credit for the group portion of this lab

### ☐ Explore Headings

Sometimes there is a need to change text by making it appear bold, italicized, subscripted, or superscripted, etc. HTML has many tags which enable us to customize our text. The following illustrates many such tags.

Code	Output
<pre>&lt;!DOCTYPE html&gt; &lt;html&gt; &lt;head&gt;   &lt;title&gt;Text Formatting&lt;/title&gt; &lt;/head&gt; &lt;body&gt;   &lt;h1&gt;Examples of Formatted Text&lt;/h1&gt;   &lt;p&gt;Hello GeeksforGeeks&lt;/p&gt;   &lt;p&gt;&lt;b&gt;Hello GeeksforGeeks&lt;/b&gt;&lt;/p&gt;   &lt;p&gt;&lt;strong&gt;Hello GeeksforGeeks&lt;/strong&gt;&lt;/p&gt;   &lt;p&gt;&lt;i&gt;Hello GeeksforGeeks&lt;/i&gt;&lt;/p&gt;   &lt;p&gt;&lt;em&gt;Hello GeeksforGeeks&lt;/em&gt;&lt;/p&gt;   &lt;p&gt;&lt;mark&gt;Hello GeeksforGeeks&lt;/mark&gt;&lt;/p&gt;   &lt;p&gt;Hello &lt;sup&gt;GeeksforGeeks&lt;/sup&gt;&lt;/p&gt;   &lt;p&gt;Hello &lt;sub&gt;GeeksforGeeks&lt;/sub&gt;&lt;/p&gt;   &lt;p&gt;&lt;small&gt;Hello GeeksforGeeks&lt;/small&gt;&lt;/p&gt;   &lt;p&gt;&lt;del&gt;Hello GeeksforGeeks&lt;/del&gt;&lt;/p&gt;   &lt;p&gt;&lt;ins&gt;Hello GeeksforGeeks&lt;/ins&gt;&lt;/p&gt;   &lt;p&gt;Here is a quote from WWF's website:&lt;/p&gt;    &lt;blockquote cite="http://www.worldwildlife.org/who/index.html"&gt; For 50 years, WWF has been protecting the future of nature. The world's leading conservation organization, WWF works in 100 countries and is supported by 1.2 million members in the United States and close to 5 million globally.   &lt;/blockquote&gt;    &lt;p&gt;WWF's goal is to: &lt;q&gt;Build a future where people live in harmony with nature.&lt;/q&gt;&lt;/p&gt;    &lt;p&gt;The &lt;abbr title="World Health Organization"&gt;WHO&lt;/ abbr&gt; was founded in 1948.&lt;/p&gt;    &lt;address&gt; Written by John Doe.&lt;br&gt; Visit us at:&lt;br&gt; Example.com&lt;br&gt; Box 564, Disneyland&lt;br&gt; USA   &lt;/address&gt; &lt;/body&gt; &lt;/html&gt;</pre>	<h3>Examples of Formatted Text</h3> <p>Hello GeeksforGeeks</p> <p><b>Hello GeeksforGeeks</b></p> <p><b>Hello GeeksforGeeks</b></p> <p><i>Hello GeeksforGeeks</i></p> <p><i>Hello GeeksforGeeks</i></p> <p><b>Hello GeeksforGeeks</b></p> <p>Hello <sup>GeeksforGeeks</sup></p> <p>Hello <sub>GeeksforGeeks</sub></p> <p><small>Hello GeeksforGeeks</small></p> <p><del>Hello GeeksforGeeks</del></p> <p><ins>Hello GeeksforGeeks</ins></p> <p>Here is a quote from WWF's website:</p> <p>For 50 years, WWF has been protecting the future of nature. The world's leading conservation organization, WWF works in 100 countries and is supported by 1.2 million members in the United States and close to 5 million globally.</p> <p>WWF's goal is to: "Build a future where people live in harmony with nature."</p> <p>The <small>WHO</small> was founded in 1948.</p> <p><i>Written by John Doe.</i> <i>Visit us at:</i> <i>Example.com</i> <i>Box 564, Disneyland</i> <i>USA</i></p>

Write code that could be used to create the following output,	
Output	Code
<h1>Things I have learned</h1> <p>Binary numbers</p> <p><b>How the internet works</b></p> <p><i>Internet Protocols</i></p> <p>HTML</p> <p><math>6.022 \times 10^{23}</math></p>	

## ❑ Predict the output of code using different text formatting tags

In the previous lesson you were introduced to the paragraph and the different heading tags. Below illustrates some common usages of text tags to format text

Code	Output
<code>&lt;h1&gt;Text Tags&lt;/h1&gt;</code>	<h1>Text Tags</h1>
<code>&lt;p&gt;paragraph&lt;/p&gt;</code>	paragraph
<code>&lt;p&gt;&lt;strong&gt;bold&lt;/strong&gt;&lt;/p&gt;</code>	<b>bold</b>
<code>&lt;p&gt;&lt;em&gt;italicized&lt;/em&gt;&lt;/p&gt;</code>	<i>italicized</i>
<code>&lt;p&gt;&lt;mark&gt;highlight&lt;/mark&gt;&lt;/p&gt;</code>	highlight
<code>&lt;p&gt;number&lt;sup&gt;superscript&lt;/sup&gt;&lt;/p&gt;</code>	number <sup>superscript</sup>
<code>&lt;p&gt;letter&lt;sub&gt;subscript&lt;/sub&gt;&lt;/p&gt;</code>	letter <sub>subscript</sub>
<code>&lt;p&gt;&lt;del&gt;striketrough&lt;/del&gt;&lt;/p&gt;</code>	<del>striketrough</del>
<code>&lt;p&gt;&lt;ins&gt;underline&lt;/ins&gt;&lt;/p&gt;</code>	<u>Hello GeeksforGeeks</u>

Below is a summary of the common tags you should know,

Tag	Result	Tag	Result
<code>&lt;b&gt;</code>	Bold text	<code>&lt;small&gt;</code>	Small text
<code>&lt;strong&gt;</code>	Important/Bold text	<code>&lt;delete&gt;</code>	Deleted/Strikethrough text
<code>&lt;i&gt;</code>	Italic text	<code>&lt;ins&gt;</code>	Inserted/Underlined
<code>&lt;em&gt;</code>	Emphasized/Italic text	<code>&lt;sub&gt;</code>	Subscript text
<code>&lt;mark&gt;</code>	Marked/Highlighted text	<code>&lt;sup&gt;</code>	Superscript text
<code>&lt;br&gt;</code>	Line break (NOTE: This tag does not need a close tag)		

Refer to the tags below to predict the output of the following code.	
Code	Output
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt;   &lt;head&gt;   &lt;/head&gt;   &lt;body&gt;  &lt;h1&gt;&lt;ins&gt;Chemistry Reactions&lt;/ins&gt;&lt;/h1&gt;      &lt;br&gt;H&lt;sub&gt;2&lt;/sub&gt; + H&lt;sub&gt;2&lt;/sub&gt; --&gt;         H&lt;sub&gt;2&lt;/sub&gt;O     &lt;br&gt;KClO&lt;sub&gt;3&lt;/sub&gt; --&gt;         KCl + O&lt;sub&gt;2&lt;/sub&gt; &lt;p&gt;&lt;/p&gt; &lt;h1&gt;&lt;ins&gt;Constants&lt;/ins&gt;&lt;/h1&gt; &lt;br&gt;1 mole = 6.022 x 10&lt;sup&gt;23&lt;/sup&gt; &lt;br&gt;e charge = -1.602 x 10&lt;sup&gt;-19&lt;/sup&gt; coulomb    &lt;/body&gt; &lt;/html&gt; </pre>	

## ❑ Have Ms. Pluska check off the above tasks



Before you continue have Ms. Pluska check off the above tasks

Do not continue until you have Ms. Pluska's (or her designated TA's) signature \_\_\_\_\_

## ❑ Debug text formatting tag erros

Debugging code is an important skill in computer science. Common errors that occur when you are coding in HTML is forgetting to close a tag. Or simply typing something you did not intend to. Consider the example below,

Code	Output
<pre> &lt;h1&gt;Text Tags&lt;/h1&gt; &lt;p&gt;paragraph&lt;/p&gt; &lt;p&gt;&lt;strong&gt;bold&lt;/p&gt; &lt;p&gt;&lt;em&gt;italicized&lt;/em&gt;&lt;/p&gt; &lt;p&gt;&lt;mark&gt;highlight&lt;/mark&gt;&lt;/p&gt; &lt;p&gt;number&lt;sup&gt;superscript&lt;/sup&gt;&lt;/p&gt; &lt;p&gt;letter&lt;sub&gt;subscript&lt;/sub&gt;&lt;/p&gt; &lt;p&gt;&lt;del&gt;strikethrough&lt;/del&gt;&lt;/p&gt; &lt;p&gt;&lt;ins&gt;underline&lt;/ins&gt;&lt;/p&gt; </pre>	<p><b>Text Tags</b></p> <p>paragraph</p> <p><b>bold</b></p> <p><i>italicized</i></p> <p><b>highlight</b></p> <p>number<sup>superscript</sup></p> <p>letter<sub>subscript&lt;/sub&gt;</sub></p> <p><del>strikethrough</del></p> <p><u>underline</u></p>

Notice that because there was not a closing <strong> tag, all the text following this tag is displayed in bold text

Find the errors and circle them. Then, write the code correctly.	
Find the errors	Write the corrected code
<pre> &lt;!DOCTYPE html&gt; &lt;html&gt;   &lt;head&gt;   &lt;/head&gt;   &lt;body&gt;  &lt;h1&gt;&lt;ins&gt;Chemistry Reactions&lt;/ins&gt;&lt;/h1&gt;    &lt;p&gt;H&lt;sub&gt;2&lt;/sub&gt; + H&lt;sub&gt;2&lt;/sup&gt; --&gt;       H&lt;sub&gt;2&lt;/sub&gt;&gt;O   &lt;p&gt;KClO&lt;sub&gt;3&lt;/sub&gt; --&gt;       KCl + O&lt;sub&gt;2&lt;/sub&gt;&gt;  &lt;h1&gt;&lt;ins&gt;Constants&lt;/ins&gt;&lt;/h1&gt; &lt;p&gt;1 mole = 6.022 x 10&lt;sup&gt;23&lt;/sup&gt;&lt;/p&gt; &lt;p&gt;e charge = -1.602 x 10&lt;sup&gt;-19&lt;/sup&gt; coulomb&lt;/p&gt;    &lt;/body&gt; &lt;/html&gt; </pre>	

## □ Style content with text formatting tages

Just as we saw in the previous lesson, without tags, text in our web pages would be all mashed together and would not make sense. Consider the text and corresponding output below.

Code	Output
<pre> 20 January 2016  Miss Eileen Dover 4321 Cliff Top Edge Dover, CT9 XXX UK  Re: Eileen Dover university application  Dear Eileen, </pre>	<pre> 20 January 2016 Miss Eileen Dover 4321 Cliff Top Edge Dover, CT9 XXX UK Re: Eileen Dover university application Dear Eileen, </pre>

Write code to style the content below exactly as shown

**Miss Eileen Dover**  
4321 Cliff Top Edge  
Dover, CT9 XXX  
UK

**Re: Eileen Dover university application**

Dear Eileen,

**Code**

## ❑ Receive Credit for the group portion of this lab



- Indicate the names of all group members.
- Have Ms. Pluska check your formatting text
- Submit your lab to the needs to be graded folder to receive credit for the group portion of this lab.
- Do not submit your lab until you have Ms. Pluska's (or her designated TA's) signature

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