

In-Class Activity #1 – How to Search [HTML]

Instructions

Make a copy of this document, and save it to your Drive. Then, fill out any label that is highlighted like this.

Using Google, find the answer to each of the following questions. For each question, provide an answer, the Google search phrase you used to find the answer, and the source (i.e., the link you clicked on) that ultimately gave you the answer. Complete your answers to all highlighted prompts in **bolded** text.

By the end of class, download your completed activity as a PDF and submit to the In-Class Activity 1 dropbox on Canvas.

Name: Maximillian Mosier

1. What does “HTML” stand for?

a. Your answer:

i. **HTML is an acronym for HyperText Markup Language (Caps added to highlight the acronym).**

b. What did you Google:

i. **I Googled “what does HTML stand for”**

c. Link to source:

i. **I referenced the first two pages whose domains I recognized:**

<https://www.investopedia.com/terms/h/html.asp>

And

https://developer.mozilla.org/en-US/docs/Learn/Getting_started_with_the_web/HTML_basics

2. What type of language is HTML?

a. Your answer:

i. **HTML is a “markup” language, as its name implies. This, to my understanding, basically means it’s just designed to be a set of instructions for formatting the layouts of digital pages.**

b. What did you Google:

i. **I already knew it was a markup language, but just didn’t know what that meant, so the thing I searched for this question was “what is a markup language”**

c. Link to source:

i. **I just used Wikipedia for this one:**

https://en.wikipedia.org/wiki/Markup_language

3. Who invented HTML?

a. Your answer:

i. **Tim Berners-Lee**

b. What did you Google:

i. **For this question, I searched “history of HTML.” I did this so I could get a full timeline, allowing me to identify technicalities in how “invented” might be defined in this case (e.g. Was he the sole contributor, or just the most significant? Did others contribute to the creation of HTML before him, but to a lesser extent, leading to them not being coined as the “inventors” of the language?)**

c. Link to source:

- i. https://www.washington.edu/accesscomputing/webd2/student/unit1/module3/html_history.html
- 4. There are a few different sets of documentation for HTML. Find one.
 - a. Your answer:
 - i. Of those I saw in my search, two that seemed to work really well were the Mozilla Developer Network, and w3schools:
[HTML Element Reference](#)
[HTML: HyperText Markup Language | MDN](#)
 - b. What did you Google:
 - i. I just searched “HTML documentation”
 - c. Link to source:
 - i. <https://www.w3schools.com/TAGS/default.asp>
<https://developer.mozilla.org/en-US/docs/Web/HTML>
- 5. A bit of HTML code consists of a series of what things?
 - a. Your answer:
 - i. I think it's worth mentioning that in my search for an answer to this question, I interpreted “bit” as referring to the elements the syntax of HTML consists of, as opposed to being about the ONs and OFFs / 1's and 0's. Anyways, the answer I found was that segments of HTML code are enclosed by a pair of beginning and end tags, with content used by those tags placed between them. However, in some circumstances, such as at the end of a document, you might not *need* to use a closing tag (For example, the last paragraph on a page does not need <\p> if nothing comes after it, though it may be good practice to do so anyways).
 - b. What did you Google:
 - i. “elements of HTML bits”
 - c. Link to source:
 - i. https://www.w3schools.com/html/html_elements.asp
- 6. What does the <p> tag do?
 - a. Your answer:
 - i. <p> marks a section of text as being a paragraph, or in a more general sense, as being an defined and individual block of text.
 - b. What did you Google:
 - i. “function of “<p>” in HTML”
 - c. Link to source:

- i. **The source I found was actually the Mozilla Developer Network mentioned in my answer to question 4!**
<https://developer.mozilla.org/en-US/docs/Web/HTML/Element/p>

7. An element without a closing tag or content might be called what?

- a. Your answer:
 - i. **If an element has neither a closing tag nor any content, it seems it would be what's called an "empty tag."**
- b. What did you Google:
 - i. **"html element with no tag or content"**
- c. Link to source:
 - i. https://www.w3schools.com/html/html_elements.asp

8. How can we leave comments in HTML?

- a. Your answer:
 - i. **The format for a comment is:**
<!-- COMMENT -->
In addition to typing that manually, many editors will allow you to type "CTRL + /" to enclose a line or selected text in the comment markers.
- b. What did you Google:
 - i. **"commenting in HTML"**
- c. Link to source:
 - i. https://www.w3schools.com/html/html_comments.asp

9. What does the <a> tag stand for, and what does it do?

- a. Your answer:
 - i. **The 'a' in the <a> tag stands for "anchor." This tag is used to define hyperlinks.**
- b. What did you Google:
 - i. **"what is the <a> tag in html"**
- c. Link to source:
 - i. <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/a>

10. Within most tags, we'll see a bit of text that looks like "href='...'". What is this an example of?

- a. Your answer:

- i. **While the content of an <a> tag is the text that is actually displayed, the link given after the “href=” is the URL said text will lead to.**
 - b. What did you Google:
 - i. “what is the <a> tag in html”
 - ii. **(I saw the answer to this question on the page I accessed in giving my response to question 9, and did not need to leave the page. In other words, I didn’t actually use the search bar for this answer, specifically.)**
 - c. Link to source:
 - i. <https://developer.mozilla.org/en-US/docs/Web/HTML/Element/a>
11. What is the basic anatomy of an HTML document? Copy and paste a basic example here.
- a. Your answer:
 - i. **A document will consist of the “doctype,” the outermost <html> tags (called the “root”), the “head”, and the “body.” To my knowledge, they should be in that order. Some example code is pasted below, outside of this list. Said example is pasted from the following site:**
<https://www.theodinproject.com/lessons/foundations-html-boilerplate>
which I obtained by searching “HTML boilerplate”
 - b. What did you Google:
 - i. **“general anatomy of an HTML document”**
 - c. Link to source:
 - i. <https://www.w3.org/TR/html401/struct/global.html>

Example:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <title>My First Webpage</title>
  </head>
  <body>
    <h1>Hello World!</h1>
  </body>
</html>
```