

# HTML

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# Reminders

# Reminders

- Please remember to sign-up or submit a conflict request for the quiz
- Practice quiz is up, be sure to attempt it before the actual quiz
- Homework 7 is due Friday
- The grace period for homework 6 ends Friday
- The grace period for homework 7 will only be until Aug. 5

# Hyper Text Markup Language

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- **CSS consists of:**

- {attribute : value} pairs
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- **JS**

- variables, expressions, function, conditionals, loops, etc. . .

# Poll Question: HTML

Which statement is false?

- Ⓐ There are multiple versions of HTML and browsers support more than one of these versions simultaneously.
- Ⓑ HTML is a programming language like Python; it has variables, expressions, conditionals, loops and functions.
- Ⓒ It is hard to keep your web page design secret because all of the source (HTML, CSS, JS) is sent to the user's browser.
- Ⓓ None of the above

# Poll Question: HTML

Which statement is false?

- Newlines and indentation in HTML are ignored.
- There is more than one type of list in HTML.
- Image tags don't require closing tags.
- "alt attributes" for images help make web pages accessible.
- "favicon" is a small picture to represent your web page, often shown in the browser tab.
- None of the above

## Poll Question: HTML

Which statement is false?

- ☐ A HTML link have 2 main parts: the URL and the anchor text
- ☐ B HTML links can go to the middle of a web page
- ☐ C A relative link specifies the complete URL for a web page
- ☐ D HTML needs “escape sequences” to specify certain characters like Python does
- ☐ E `&nbsp;` specifies a “non-breaking space” in HTML
- ☐ F None of the above

# Poll Question: HTML

Most of the web pages on the internet are. . .

- ☐ A Are written by humans from scratch
- ☐ B Are generated by computer programs

# Generating Web pages Dynamically

- Ⓐ Amazon.com doesn't have people write web pages for each product. They're generated on the fly by a computer program according to a template.
- Ⓑ **Templates:** Basically like Python format strings, like `"Product: {} Price: {}".format(productname, product[productname])`.
- Ⓒ Looping through collections

# Poll Question: HTML

What will the following code segment produce?

```
1 <ul>
2   <li>CS 105</li>
3   <li>CS 125</li>
4 </ul>
```

- ☐ A Unordered list with CS 105 and CS 125
- ☐ B Ordered list with CS 105 and CS 125
- ☐ C Error

# Poll Question: HTML

What are the visible column header(s) in the table produced by this HTML?

```
1 <table>
2   <caption>CS 105</caption>
3   <tr>
4     <th></th>
5     <th>Assigned</th>
6     <th>Due</th>
7   </tr>
8   <tr>
9     <th>Homework 1</th>
10    <td>06/14/2021</td>
11    <td>06/21/2021</td>
12  </tr>
13 </table>
```

- ☐ A Assigned
- ☐ B Assigned & Due
- ☐ C Homework 1
- ☐ D 06/14/2021 & 06/21/2021



# Poll Question: HTML

How many rows are produced by this table?

```
1 <table>
2   <tr>
3     <th>Assigned</th>
4     <th>Due</th>
5   </tr>
6   <tr>
7     <td>06/14/2021</td>
8     <td>06/21/2021</td>
9   </tr>
10  <tr>
11    <td>07/04/2021</td>
12    <td>07/14/2021</td>
13  </tr>
14  <tr>
15    <td>07/04/2021</td>
16    <td>07/14/2021</td>
17  </tr>
18 </table>
19
```

- ☐ A 4
- ☐ B 3
- ☐ C 2
- ☐ D 1

Given this directory structure and this sample HTML, which document do you think this HTML is in?

```
1 dev_website
2 |---index.html
3 |___elements
4     |--- about.html
5     |--- cv.html
6     |___ projects.html
7
```

- ☐ A index.html
- ☐ B about.html
- ☐ C cv.html
- ☐ D projects.html

```
1 <a href="elements/about.html">About</a>
2 <a href="elements/cv.html">CV</a>
3 <a href="elements/projects.html">
4 Projects</a>
```

What is produced on a webpage assuming the image referenced by href is broken or missing?

```
1 
```

- Ⓐ img.jpg
- Ⓑ This is an image
- Ⓒ Nothing, there is an error with the html

# Reading data from the internet

```
1 import urllib.request
2
3 req = urllib.request.Request("https://wikipedia.com")
4 with urllib.request.urlopen(req) as response:
5     the_page = response.read()
6
7 print(the_page)
8
```

- Ⓐ From a Python program
- Ⓑ urllib module: Given a URL, returns the document at that URL