HTML

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Reminders

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- 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

5/16

Separation of Concerns:

- HTML = content
- CSS = styling
- JS = interactivity

$HTML\overline{5} = HTML, CSS, JS$

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CSS consists of:

- {attribute : value} pairs
- Like a Python dictionary
- JS
 - variables, expressions, function, conditionals, loops, etc. . .

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

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
- A relative link specifies the complete URL for a web page
- HTML needs "escape sequences" to specify certain characters like Python does
- &mbsp; specifies a "non-breaking space" in HTML
- None of the above

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

- Are written by humans from scratch
- 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

What will the following code segment produce?

```
1 
2 CS 1053 CS 1254
```

- Output Description
 Output Descript
- Ordered list with CS 105 and CS 125
- Error

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

```
<caption>CS 105</caption>
  Assigned
   >Due 
6
  >Homework 1
   06/14/2021
   06/21/2021
11
  12
13
14
```

- Assigned
- Assigned & Due
- Homework 1
- **o** 06/14/2021 & 06/21/2021

How many rows are produced by this table?

```
Assigned
    <th>Due</th>
  \langle tr \rangle
     06/14/2021 
     06/21/2021 
   07/04/2021 
     07/14/2021 
  13
  \langle tr \rangle
14
    07/04/2021
15
     07/14/2021 
16
  18 
19
```

- A
- **B** 3
- **9**
- D

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

```
dev_website

|---index.html
|__elements
|--- about.html
|--- cv.html
|--- projects.html
```

- index.html
- about.html
- cv.html
- projects.html

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

```
<img src="img.jpg" alt="This
  is an image">
```

- img.jpg
- This is an image
- Nothing, there is an error with the 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.
- (a) "favicon" is a small picture to represent your web page, often shown in the browser tab.
- None of the above

Reading data from the internet

```
import urllib.request

req = urllib.request.Request("https://wikipedia.com")
with urllib.request.urlopen(req) as response:
    the_page = response.read()

print(the_page)
```

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