

Week 01 Practice Quiz  
CSCI 40: Computing for the Web  
Fall 2026

| How current LLMs scored on this practice bank                                          |                  |              | 2026-08-26 |
|----------------------------------------------------------------------------------------|------------------|--------------|------------|
| Model                                                                                  | Reasoning        | Score        |            |
| claude-haiku-4.5                                                                       | low effort       | 54/54 (100%) |            |
| claude-sonnet-5                                                                        | low effort       | 50/54 (93%)  |            |
| claude-fable-5                                                                         | low effort       | 54/54 (100%) |            |
| claude-opus-4.8                                                                        | low effort       | 54/54 (100%) |            |
| gpt-5.6-luna                                                                           | low reasoning    | 50/54 (93%)  |            |
| gpt-5.4                                                                                | low reasoning    | 54/54 (100%) |            |
| gpt-5.6-terra                                                                          | low reasoning    | 52/54 (96%)  |            |
| gpt-5.5                                                                                | low reasoning    | 54/54 (100%) |            |
| gpt-5.6-sol                                                                            | low reasoning    | 52/54 (96%)  |            |
| gemini-3.1-flash-lite                                                                  | minimal thinking | 46/54 (85%)  |            |
| gemini-3.5-flash-lite                                                                  | minimal thinking | 50/54 (93%)  |            |
| gemini-3.6-flash                                                                       | minimal thinking | 50/54 (93%)  |            |
| gemini-3.7-flash                                                                       | low thinking     | 54/54 (100%) |            |
| One independent, tool-free prompt per question; deterministic executable ground truth. |                  |              |            |

Total Score: /4

Printed Name:

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**Quiz rules:**

1. You MAY use any printed or handwritten notes.
2. You MAY NOT use a computer or any other electronic device.

**NOTE:** Your real quiz next week will have only 4 questions. This practice quiz has many more, so that you can get extra practice. There are two problems, each with its own HTML on the page that follows it.

**Problem 1.** Write the number of HTML tags that will get selected by each of the CSS selectors below when applied to the HTML on the next page.

1. `p` 2
2. `.bold` 2
3. `p.bold` 0
4. `p .bold` 0
5. `p, .bold` 4

6. #top 1

7. h1#top 1

8. div#top 0

9. img#header 0

10. #header, #top 2

11. h1 p 0

12. h1 span 1

13. li span 0

14. body span 3

15. body > span 0

16. h1 > span 1

17. h1 + p 1

18. p + h1 0

19. h1 + span 0

20. h1 ~ p 2

21. p ~ h1 0

22. h1 ~ span 0

23. p ~ p 1

24. p + p 0

25. [src="top-image.png"] 1

26. [src="https://izbicki.me"] 0

27. [class="bold"] 2

28. a[class="bold"] 0

29. a[href="https://izbicki.me"] 2

30. `h1 ~ *` 5

31. `h1 ~ p > span` 1

32. `h1 ~ p > span, a[href="https://izbicki.me"]` 3

33. `blockquote ~ *, span, p.bold` 6

34. `* > span, img` 5

## HTML for Problem 1:

```
1 <html>
2   <head>
3     <title>Lorem Ipsum</title>
4   </head>
5   <body>
6     <div id=header>
7       <img src=top-image.png>
8     </div>
9     <h1 id=top>Lorem <span class=bold>Ipsum</span></h1>
10    <p><span class=italic>Lorem ipsum</span> dolor sit amet, consectetur
      adipiscing elit, sed do eiusmod tempor incididunt ut labore et
      dolore magna aliqua.</p>
11    <blockquote><span class=bold>Ut enim</span> ad minim veniam, quis
      nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo
      consequat. Duis aute irure dolor in reprehenderit in voluptate
      velit esse cillum dolore eu fugiat nulla pariatur.</blockquote>
12    <p><a href=https://izbicki.me>Excepteur sint occaecat</a> cupidatat
      non proident, sunt in culpa qui officia deserunt mollit anim id
      est laborum.</p>
13    <br/>
14    <a href=https://izbicki.me><img src=bottom-image.png></a>
15  </body>
16 </html>
```

**Problem 2.** Write the number of HTML tags that will get selected by each of the CSS selectors below when applied to the HTML on the next page. Note that this is a *different* page of HTML from the one used in Problem 1.

1. `li` 4
2. `.bold` 7
3. `li.bold` 3
4. `li .bold` 1
5. `h2 + p` 1
6. `div > .bold` 2
7. `#body img` 1
8. `h1 div` 0
9. `h2 + li` 0
10. `img ~ li > em` 0
11. `#header > h1 ~ *` 1
12. `#body > * em` 3
13. `#body * em` 3
14. `#body *` 13
15. `.body .bold` 0
16. `ol em` 3
17. `ol > em` 0
18. `[src="ceasar.png"] ~ *` 0
19. `h2 ~ *, .bold` 9
20. `div + *, h2` 3

## HTML for Problem 2:

```
1 <html>
2   <head>
3     <title>Lorem Ipsum</title>
4   </head>
5   <body>
6     <div id=header>
7       <h1 id=top>Lorem <span class=bold>Ipsum</span></h1>
8       <img src=top-image.png>
9     </div>
10    <div id=body>
11      <h2>Lorem</h2>
12      <p class=bold>Lorem ipsum dolor sit amet, consectetur adipiscing
        elit, sed do eiusmod tempor incididunt ut labore et dolore
        magna aliqua.</p>
13      <p class=bold>Ut enim ad minim veniam, quis nostrud exercitation
        ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis
        aute irure dolor in reprehenderit in voluptate velit esse
        cillum dolore eu fugiat nulla pariatur.</p>
14      <h2>Ipsum</h2>
15      <ol>
16        <li><img class=bold src=ceasar.png></li>
17        <li class=bold><em>Veni</em></li>
18        <li class=bold><em>Vidi</em></li>
19        <li class=bold><em>Vici</em></li>
20      </ol>
21    </div>
22  </body>
23 </html>
```