

Week 00 Practice Quiz
CSCI 40: Computing for the Web
Fall 2026

Total Score: /4

Printed Name: _____

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.

Problem 1. Count the elements in the HTML below.

```
1 <body>
2   <h1>Groceries</h1>
3   <ul>
4     <li>apples</li>
5     <li>bread</li>
6     <li>milk</li>
7   </ul>
8   <p>Don't forget the <a href="list.html">full list</a>.</p>
9 </body>
```

1. How many `<li>` elements are there?
2. How many `<ul>` elements?
3. How many `<a>` elements?
4. How many `<p>` elements?
5. How many `<h1>` elements?

Problem 2. Use the HTML below to answer the questions about its structure.

```
1 <body>
2   <div>
3     <h1>Title</h1>
4     <p>Some <a href="more.html">text</a> here.</p>
5   </div>
6 </body>
```

1. What is the parent element of the `<h1>`?
2. What are the direct children of the `<div>`?
3. What is the parent element of the `<a>`?
4. Is the `<a>` a direct child of the `<div>`? Explain in a few words.

Problem 3. The paragraphs below do not render the way the author intended.

```
1 <body>
2   <p>The quick brown fox
3   <p>jumps over the lazy dog.</p>
4 </body>
```

1. Which line contains the bug?
2. What exactly is wrong?
3. Write the corrected HTML.

Problem 4. A student wants the word “very” bold and the word “important” both bold and italic, but the tags below are tangled. (`<strong>` makes text bold; `<em>` makes it italic.)

```
1 <p>This is <strong>very <em>important</strong> text</em>.</p>
```

1. What is wrong with the way the tags are written?
2. Rewrite the line so the tags nest cleanly instead of overlapping.

Problem 5. Consider this image element.

```
1 
```

1. Which attribute – the one every `<img>` should have for accessibility – is missing?
2. Why does that attribute matter? Give one concrete reason.
3. Rewrite the element with the missing attribute filled in sensibly.

Problem 6. For each element below, state whether it belongs in the `<head>` or in the `<body>` of a page.

1. `<title>`
2. `<h1>`
3. `<p>`
4. `<img>`
5. `<ul>`

Problem 7. Study the nested list below.

```

1 <ul>
2   <li>fruit
3     <ul>
4       <li>apple</li>
5       <li>banana</li>
6     </ul>
7   </li>
8   <li>vegetable</li>
9 </ul>

```

1. How many `<ul>` elements are there?
2. How many `<li>` elements are there in total?
3. Which list items are indented one level deeper, nested inside “fruit”?
4. Is “vegetable” nested inside “fruit,” or is it a sibling of “fruit” in the outer list?

Problem 8. An attribute is written inside an opening tag as `name="value"`. For each opening tag below, list every attribute’s *name* and its *value* separately.

```

1 <a href="https://rtealwitter.com">
2 

```

Problem 9. Consider this link.

```

1 <a href="https://cats.com">dogs</a>

```

1. What text does the reader see and click on?
2. Where does clicking the link actually send them?
3. Which attribute controls the destination?

Problem 10. Answer these questions about the parts of an element.

1. In `<p>Hello</p>`, identify the three parts: the opening tag, the content, and the closing tag. Together, what is the whole thing called?
2. What is the only difference in how an opening tag and its matching closing tag are written?
3. An `<img>` has no closing tag. Why not?

Problem 11. Answer these questions about the standard skeleton every HTML page starts from.

1. What must the very first line of a modern HTML page be?
2. The entire document nests inside one element. Which element?
3. That element has exactly two children. Name both, in order.
4. Does the first line from part (a) have a closing tag?

Problem 12. Use the complete page below.

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>My Page</title>
5      </head>
6      <body>
7          <h1>Welcome</h1>
8          <p>Hello.</p>
9          <p>Goodbye.</p>
10     </body>
11 </html>
```

1. How many `<p>` elements are on the page?
2. How many elements are direct children of the `<html>` element?
3. Is the text “My Page” shown on the page itself? If not, where does it appear?
4. Does `<!DOCTYPE html>` count as one of the elements?

Problem 13. A student moved a line into the wrong section of the skeleton.

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>My First Page</title>
5          <h1>My First Page</h1>
6      </head>
7      <body>
8          <p>Hello, world.</p>
9      </body>
10 </html>
```

1. Which element is in the wrong section, and where does it belong?
2. The browser may still show the heading anyway. Why is putting it there still a mistake?