

Quiz 10

Databases

1 June 2026

Full name:

You have 10 minutes to answer this quiz, directly on this sheet of paper. No electronic devices or material of any kind is allowed. Do not forget to add your name above. Every question amounts to 2 points; the quiz is graded out of 10 points.

Questions

Q1. Circle the only correct answer.

A booking page lets the user reserve a hotel room by submitting a form. The server inserts a new row in the **reservation** table. Which HTTP method should the form use, and why?

- a. GET, because the result is a single page of HTML returned to the browser.
- b. GET, so that the URL of the confirmation can be bookmarked by the user.
- c. POST, because the request modifies the database and should not be replayed by reloading or prefetching.
- d. POST, because forms with more than three fields cannot use GET.

Q2. Circle all correct answers (there may be more than one).

Consider the HTML fragment

```
<p class="warning highlighted" id="msg">Sold out.</p>
```

Which of the following CSS selectors match this paragraph?

- a. `p`
- b. `.warning`
- c. `.warning.highlighted`
- d. `#msg.warning`

Q3. Circle the only correct answer.

Three CSS rules target the same element:

```
p           { color: black;  }  
.warning    { color: darkred; }  
p#msg.warning { color: orange; }
```

Which color does the paragraph of Q2 finally get, and why?

- a. black, because `p` is the first rule and rules are applied top to bottom.
- b. darkred, because a class selector always overrides a tag selector.
- c. orange, because `p#msg.warning` has specificity (1,1,1), higher than (0,1,0) and (0,0,1).
- d. orange, because it is the last rule and the latest declaration always wins.

Q4. Circle the only correct answer.

Which statement best describes the respective roles of HTML and CSS in a web page?

- a. HTML describes the structure and content of the page, while CSS describes its presentation (colors, fonts, layout).
- b. HTML describes the presentation, while CSS describes the structure and content.
- c. Both HTML and CSS describe the content; the browser picks one of them following the preferences of the user.
- d. CSS is a programming language used to query the database, while HTML stores the query results.

Q5. Circle the only correct answer.

What is the main advantage of putting style rules in an external CSS file linked from the HTML, rather than in `style` attributes on individual elements?

- a. A single stylesheet can be shared by many pages, and the presentation is kept separate from the content, so the look can be changed in one place.
- b. An external stylesheet makes the page render faster because the styling is applied by the server before the HTML is sent.
- c. Inline `style` attributes are not supported by modern browsers.
- d. An external stylesheet can set colors and fonts, whereas inline styles can only set colors.