

Questionnaire (5 minutes):

Instructions: Choose the BEST answer for each question.

1. What is the most effective way to prevent XSS (Cross-Site Scripting) attacks?

- A. Sanitizing user input before displaying it on the web page.
- B. Using complex passwords for all accounts.
- C. Disabling JavaScript on the client-side.
- D. Ignoring user input validation.

Answer:

A. Sanitizing user input before displaying it on the web page.

2. How can you prevent SQL injection attacks?

- A. Granting full access to the database for the web application.
- B. Using prepared statements with parameter binding for database queries.
- C. Storing passwords in plain text in the database.
- D. Allowing users to write their own database queries.

Answer:

B. Using prepared statements with parameter binding for database queries.

3. What is the purpose of a web server?

- A. To display web pages in a browser.
- B. To run server-side scripts and interact with databases.
- C. To manage user accounts and authentication.
- D. All of the above.

Answer:

B. To run server-side scripts and interact with databases.

4. What is the difference between HTML and CSS?

- A. HTML defines the structure and content of a web page, while CSS controls its visual appearance.
- B. HTML is a scripting language, while CSS is a markup language.
- C. There is no difference; they are the same technology.
- D. HTML is used for server-side scripting, and CSS is for client-side scripting.

Answer:

A. HTML defines the structure and content of a web page, while CSS controls its visual appearance.

5. What is the main purpose of using JavaScript in web development?

- A. To create the layout and styling of a web page.
- B. To add interactivity and dynamic behavior to a web page.
- C. To communicate with a database server.
- D. To secure user information transmitted over the internet

Answer:

B. To add interactivity and dynamic behavior to a web page.