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Questions

1. In cybersecurity, why might a string like "555ï¿½ï¿½ï¿½ï¿½ï¿½%2527%2522'\"" be used during security testing?

A. To improve database performance
B. To facilitate debugging processes
C. To attempt SQL injection
D. To test and prevent code injection vulnerabilities

2. What role does character encoding, such as UTF-8 or URL encoding, play in internet communications?

A. Creating efficient binaries
B. Optimizing algorithms
C. Developing user interfaces
D. Enabling safe data transmission

3. In terms of content management systems, what security role does character encoding play?

A. Facilitating content management
B. Enhancing graphical rendering of content
C. Prohibiting unauthorized script execution
D. Streamlining hardware interactions

4. In web development, how does character encoding help with HTML and XML documents?

A. Improving AI response rates
B. Enhancing animation creativity
C. Simplifying database design
D. Preserving logical structure in HTML/XML