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## Questions

**1. In cybersecurity, why might a string like "555i¿½¿½¿½¿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