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## Questions

**1. What is the primary function of the code snippet '55528raY4Zp' OR 545=(SELECT 545 FROM PG\_SLEEP(15))--' in the context of cybersecurity?**

- A. To inject a delay in the database query execution
- B. To sanitize user inputs effectively
- C. To close database connections temporarily
- D. To encrypt data before storing

**2. In what scenario would an injection delay, like PG\_SLEEP(), be particularly useful for attackers?**

- A. To improve data write efficiency
- B. To bypass firewall protections
- C. To detect vulnerabilities through response timing
- D. When needing to access encrypted files

**3. What is a strategy attackers may use in a blind SQL injection attack to gain insights from a database?**

- A. Crafting complex stored procedures
- B. Encoding data in base64
- C. Utilizing HTTP headers for injection
- D. Exploiting conditional error messages to generate different responses

**4. What role do regular expressions play in detecting potential SQL injection attacks?**

- A. By securing authentication processes
- B. By blocking any input containing numbers
- C. By detecting patterns and keywords typical of SQL injection attacks
- D. By validating server responses

**5. What strategy could help prevent SQL injection attacks?**

- A. Decreasing the allowed query execution time for all operations
- B. Implementing strict input validation and sanitation
- C. Replacing all SQL operations with batch processes
- D. Regularly updating database timestamps