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Questions

1. What is the purpose of using comments such as `--`` or `/* */` in SQL injection attacks?

- A. To encrypt the injected query
- B. To ensure the injected code is executed
- C. To terminate the legitimate query syntax
- D. To hide the injection from logs

2. In the context of SQL injection, what does the term 'Boolean-based Blind SQL Injection' refer to?

- A. Injecting SQL into boolean fields
- B. Using booleans to detect vulnerable databases
- C. Determining SQL response through true/false conditions
- D. Using Boolean algebra to encrypt queries

3. For SQL injection like `1` or `5*5=25``, what role does the arithmetic operation serve?

- A. It helps obscure the injection
- B. Ensures part of the OR condition evaluates to true
- C. Arithmetical operations always fail, making the injection harmless
- D. Provides a more complex query to mislead detection systems

4. What role do logical operators like OR play in SQL injection attacks?

- A. To force the query to always evaluate as true
- B. To imply multiplication within the query
- C. They are used to start comment lines
- D. To avoid database indexing issues

5. What measures can secure a system against SQL injection attacks such as `1` OR `5*5=25``?

- A. Implementing prepared statements
- B. Using MD5 encryption on inputs
- C. Disabling arithmetic operations in SQL
- D. Limiting user input length

6. What is a 'Union-based' SQL injection?

- A. A type of SQL injection that uses the UNION operator to retrieve data from a database
- B. An SQL injection type focused on bypassing firewalls
- C. A SQL injection method that multiplies entries in a database
- D. An SQL operation that aggregates data results using arithmetic