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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 `' 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