

# 1

## Questions

**1. How does SQL injection vulnerability occur in input fields?**

- A. By proper encoding
- B. By using a secure database
- C. By allowing unsanitized inputs
- D. Through proper sanitization

**2. In project management, what is a 'milestone'?**

- A. Major deliverable
- B. Budget adjustment
- C. Deadline extension
- D. Small task

**3. When would you use the modulus operator in programming?**

- A. To declare arrays
- B. To find remainders
- C. To handle recursion
- D. To compare strings

**4. What is the primary use of a 'for' loop in programming?**

- A. Error handling
- B. Handling user input
- C. Declaring variables
- D. Iterating over a sequence

**5. Which algorithm design paradigm involves solving complex problems by solving smaller subproblems and combining their solutions?**

- A. Greedy algorithms
- B. Linear search
- C. Recursive descent
- D. Dynamic Programming