

IT Skill Test GIC Myanmar

Duration: 30 Minutes

Total Questions: 8

1. You are developing a simple login system. The user enters their username and password. Which conditional logic would be most appropriate to check if the credentials are correct?
 - A. while loop
 - B. if statement
 - C. switch statement
 - D. do-while loop

2. In a Java application, you need to process a list of integers and perform different actions based on whether each number is positive, negative, or zero. Which conditional structure would be most suitable for this task?
 - A. if-else if-else statement
 - B. switch statement
 - C. while loop
 - D. for-each loop

3. You're implementing a menu-driven CLI application where users can choose from a fixed set of options (1-5). Which conditional structure would be most appropriate for handling user input?
 - A. if-else statement
 - B. while loop
 - C. switch statement
 - D. for loop

4. You're developing a game where a character's health decreases over time. The game should end when the health reaches zero. Which loop would be most appropriate for this scenario?
 - A. for loop
 - B. do-while loop
 - C. while loop
 - D. enhanced for loop

5. In a data processing application, you need to read lines from a file until you encounter an empty line or reach the end of the file. Which loop structure would be most suitable?
- A. for loop
 - B. while loop
 - C. do-while loop
 - D. enhanced for loop
6. You're implementing a validation system for user input. The user must enter a valid email address, and you want to give them multiple attempts until they succeed or reach a maximum number of tries. Which loop structure would be most appropriate?
- A. while loop
 - B. do-while loop
 - C. for loop
 - D. switch statement
7. In a Java application, you're implementing a binary search algorithm on a sorted array. Which conditional structure would be most efficient for comparing the middle element with the search key?
- A. switch statement
 - B. if-else if-else statement
 - C. while loop
 - D. do-while loop
8. You're developing a simple state machine for a traffic light system. The light changes from green to yellow to red in a cycle. Which conditional structure would be most appropriate for managing the state transitions?
- A. if-else statement
 - B. switch statement
 - C. while loop
 - D. for loop