

# IT Skill Test GIC Myanmar

Duration: 30 Minutes

Total Questions: 8

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1. You are developing a user authentication system. The system needs to check if a user's password meets certain criteria before allowing registration. The password must be at least 8 characters long, contain at least one uppercase letter, one lowercase letter, and one number. Which conditional logic would be most appropriate to implement this check?
    - A. if statement
    - B. switch statement
    - C. while loop
    - D. do-while loop
  
  2. In a file processing application, you need to read lines from a file until you reach the end. Which conditional logic would be most suitable for this task?
    - A. if statement
    - B. switch statement
    - C. while loop
    - D. for loop
  
  3. You're implementing a simple calculator function that takes two numbers and an operator (+, -, \*, /) as input. Which conditional logic would be most efficient for determining which operation to perform?
    - A. if-else if chain
    - B. switch statement
    - C. while loop
    - D. nested if statements
  
  4. In a game, you need to check if a player's health is below 0 and end the game if true. This check needs to be performed continuously as long as the game is running. Which conditional logic would be most appropriate?
    - A. if statement
    - B. switch statement
    - C. while loop
    - D. do-while loop
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5. You're implementing a menu system where the user selects an option by entering a number. The menu should keep appearing until the user selects the 'Exit' option. Which conditional logic would be most suitable?
- A. if statement
  - B. switch statement inside a do-while loop
  - C. for loop
  - D. nested if statements
6. In a data processing application, you need to validate user input to ensure it's a positive integer. If the input is invalid, you want to keep prompting the user until they provide valid input. Which conditional logic would be most appropriate?
- A. if statement
  - B. switch statement
  - C. while loop
  - D. for loop
7. You're developing a function that needs to perform different actions based on the day of the week (represented as an integer from 1 to 7). Which conditional logic would be most efficient and readable?
- A. if-else if chain
  - B. switch statement
  - C. while loop
  - D. nested if statements
8. In a web application, you need to implement a retry mechanism for API calls. The application should attempt to call the API up to 3 times if it fails. Which conditional logic would be most suitable?
- A. if statement
  - B. switch statement
  - C. while loop
  - D. do-while loop