

# 7 Lecture - CS201

## Important Mcqs

1. **Which of the following statements is true about the do-while loop?**
- A. The loop condition is evaluated before the loop body is executed
  - B. The loop body is executed at least once before the loop condition is evaluated
  - C. The loop executes only if the condition is true
  - D. The loop executes only if the condition is false

**Answer: B**

2. **Which loop executes at least once?**
- A. While loop
  - B. For loop
  - C. Do-while loop
  - D. None of the above

**Answer: C**

3. **What is the syntax for a do-while loop?**
- A. `do { loop body } while (condition);`
  - B. `while (condition) { loop body }`
  - C. `for (initialization; condition; increment) { loop body }`
  - D. None of the above

**Answer: A**

4. **What is the purpose of the do-while loop?**
- A. To execute a block of code repeatedly based on a condition
  - B. To execute a block of code only if the condition is true
  - C. To execute a block of code only if the condition is false
  - D. None of the above

**Answer: A**

5. **What happens if the condition of the do-while loop is false from the beginning?**
- A. The loop body is executed once
  - B. The loop body is not executed at all
  - C. The loop body is executed indefinitely
  - D. None of the above

**Answer: A**

6. **Which statement is used to exit a loop immediately?**
- A. if statement
  - B. break statement

- C. continue statement
- D. None of the above

**Answer: B**

7. **Which statement is used to skip the current iteration of a loop and move on to the next one?**
- A. if statement
  - B. break statement
  - C. continue statement
  - D. None of the above

**Answer: C**

8. **What is the difference between a while loop and a do-while loop?**
- A. The loop body is executed before the loop condition in the while loop, and vice versa in the do-while loop
  - B. The loop condition is checked before the loop body in the while loop, and vice versa in the do-while loop
  - C. There is no difference between them
  - D. None of the above

**Answer: B**

9. **Can a do-while loop be nested inside another loop?**
- A. Yes
  - B. No
  - C. It depends on the programming language
  - D. None of the above

**Answer: A**

10. **Which loop structure is best suited for situations where the number of iterations is known in advance?**
- A. while loop
  - B. do-while loop
  - C. for loop
  - D. None of the above

**Answer: C**