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