

### ITERATIVE CONSTRUCTS IN JAVA

#### A. Tick (✓) the correct option.

1. Which of the following is an exit control loop?

a. while loop

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b. for loop

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c. do-while loop

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d. nested loop

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2. The body of the loop is executed first in:

a. while loop

☐

b. for loop

☐

c. do-while loop

☐

d. infinite loop

☐

#### B. Fill in the Blanks

- The ..... loop is used when the number of iterations is known beforehand.
- A ..... loop executes at least once, regardless of the condition.
- The loop where the condition is checked after the body executes is called an ..... loop.
- The ..... statement skips the remaining code and moves to the next iteration.

#### C. Match the Following

##### Column A

- break statement
- continue statement
- for loop
- while loop

##### Column B

- Used when iterations are known
- Skips the remaining code in the iteration
- Checks condition before execution
- Terminates the loop

#### D. Short Questions

- What is the difference between a while loop and a do-while loop?
- Explain the significance of the increment or decrement part of a loop.
- Why is a for loop preferred when the number of iterations is known?