

NESTED LOOP

A. Tick (✓) the correct option.

1. Which of these is NOT a nested loop type?

a. Nested for loop

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b. Nested while loop

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c. Nested do-while loop

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d. Nested if loop

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2. What happens if the test condition in a while loop never becomes false?

a. The loop executes infinitely

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b. The program crashes

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c. The loop executes once

☐

d. None of the above

☐

B. Fill in the Blanks

1. The loop executes completely before the outer loop iterates.

2. A loop executes at least once, even if the condition is false.

3. The statement is used to exit from a loop immediately.

4. A nested while loop uses a condition to control execution.

C. Match the Following

Column A

1. for loop

2. while loop

3. do-while loop

4. Nested loop

Column B

i. Runs at least once

ii. A loop within another loop

iii. Entry control loop

iv. Executes while condition is true

D. Short Questions

1. What is a nested while loop? Give an example.

2. Explain the structure of a nested do-while loop.

3. What are the advantages of using nested loops?

4. How does the break statement work in a nested loop?