

- 1) 20 NCQ's on loops concept
- ① Which of the following loops guarantees to execute its body at least once?
- a) for loop
 - b) while loop
 - c) do-while loop
 - d) None of the above
- ② do-while loop (c)
- ③ While of the following is an entry-controlled loop?
- a) do-while loop
 - b) for loop
 - c) goto statement
 - d) switch statement
- Ans:- for loop (b)
- ④ What is the purpose of the break statement in a loop?
- a) To skip the current iteration and proceed.
 - b) To terminate the loop and exit to the statement immediately following the loop.
 - c) To restart the loop from the beginning.
 - d) To cause a compile time error.
- Ans:- b.
- ⑤ What is the purpose of the continue statement in a loop?
- a) To determine the loop and exit to the statement immediately following the loop.
 - b) To skip the current proceed to the next iteration of the loop.
 - c) To restart to the loop from the beginning.
 - d) To cause a run time error.
- Ans:- b
- ⑥ Which part of the for loop is optional?
- a) Initialization
 - b) condition
 - c) Increment / Decrement
 - d) All of the above.
- Ans:- (d) All of the above.

⑥ What does the break statement do inside a loop?

- A) Repeats the loop
- B) Skips one iteration
- C) Stops the loop immediately
- D) Exits the program.

Ans :- C

⑦ What does the continue statement do?

- A) Ends the loop
- B) Skips remaining code in current iteration
- C) Restarts the program
- D) Pauses the loop.

Ans :- B

⑧ In a for loop, which part executes after each iteration?

- A) Initialization
- B) Condition check
- C) Update / Increment
- D) Return statement.

Ans :- C

⑨ Which of the following is a valid loop control variable?

A) 123var

B) X

C) if

D) for

Ans :- B

⑩ A while loop continues as long as:

A) The condition is true.

B) The condition is false.

C) The user presses a key.

D) The loop counter resets.

Ans :- A

⑪ Which of the following can cause an infinite loop?

A) Proper increment.

B) Condition that never becomes false.

C) Using break.

D) Using continue.

Ans :- B

(12) which loop is best for repeating until a condition becomes false ?

- A) for
- B) while
- C) switch
- D) goto

Ans:- B

(13) which loop typically uses an index variable ?

- A) for loop
- B) while loop
- C) do-while loop
- D) if statement

Ans:- A

(14) what is the main difference between while and do-while ?

- A) do-while is faster.
- B) do-while checks condition after executing the loop body.
- C) while cannot use variables.
- D) while only works with integers.

Ans:- B

(15) which of the following is used to exit only from the current loop ?

- A) break
- B) exist
- C) stop
- D) return

Ans:- A

(16) which loop is guaranteed to run at least once ?

- A) for
- B) while
- C) do-while
- D) if loop

Ans:- C

(17) Nested loops are :

- A) loops inside loops
- B) loops that never end
- C) loops with no conditions
- D) loops written backward.

Ans:- A

18) Which loop should you use to traverse a list / array?

- A) switch
- B) for loop
- C) return loop
- D) define loop

Ans :- B

19) Which of the following is a type of loop?

- A) if loop
- B) for loop
- C) case loop
- D) print loop

Ans :- B

A loop that never ends is called.

- A) continuous loop
- B) infinite loop
- C) permanent loop
- D) endless condition

Ans :- B