

- (1) Which loop executes its body at least once, regardless of the condition?  
 A. for   B. while   C. do-while   D. none
- (2) What is the correct syntax for a for loop in C++ (Java)?  
 A. for (i=0; i<5)   B. for (i<5; i++)   C. for (int i=0; i<5; i++)  
 D. for i=0 to 5
- (3) A while loop is an example of a:  
 A. Entry - Controlled loop   B. Exit - Controlled loop  
 C. Counter - Controlled loop   D. Recursive loop
- (4) Which loop is an exit - Controlled loop?  
 A. for   B. while   C. do-while   D. All of the above.
- (5) What will the following code print?  
 For (int i=1; i<=3; i++) printf ("%d", i);  
 A. 12   B. 1 2 3   C. 2 3   D. 1 3.
- (6) How many times will the loop run?  
 int i=0; while (i<4) { i++; }  
 A. 3   B. 4   C. 5   D. Infinite.
- (7) Which statement stops the loop immediately?  
 A. Continue   B. exit   C. break   D. stop
- (8) Which loop is best suited when the number of iterations is known?  
 A. for   B. while   C. do-while   D. switch
- (9) What will the following code print?  
 int i=5; do { printf ("%d", i); } while (i<3);  
 ↗ noting   B. 5   C. 543   D. infinite
- (10) The continue statement does what?  
 A. Terminates the loop   B. Skips the current iteration  
 C. Repeats previous iteration   D. Stops program execution

11. Which loop can never be skipped entirely?  
A. For    B. while    C. do-while    D. None
12. What will the following code print?  
~~for (int i=0; i<5; i+=2) printf ("%d", i);~~ \*\*  
A. 0 1 2 3 4    B. 0 2 4    C. 1 3 5    D. 2 4
13. Which is true about infinite loops?  
A. They can only occur in while loops.  
B. They cannot occur in for loops.  
C. They occur when the loop condition never becomes false.  
D. They occur only with wrong syntax.
14. What is the output?  
~~int i=1; while (i<=3) { printf ("%d", i); i++; }~~ \*\*  
A. 123    B. 12    C. 23    D. 13
15. Choose valid do-while Syntax:  
A. do while (condition){ } do { } while (condition);  
B. do { } while (condition); } D. while (do { }) ;
16. Which loop checks the condition after executing the body?  
A. For    B. while    C. do-while    D. All
17. In a for loop, which part is optional?  
A. Initialization    B. Condition    C. Increment    D. All of the above
18. Which looping construct is best for menu-drive programs?  
A. For    B. while    C. do-while    D. None.
19. What will be the output?  
~~int i=3; while(i--){ printf ("%d", i); }~~ \*\*  
A. 3    B. 2    C. -1    D. 0
- Do the following loop is  
~~for (i; ) { }~~ \*\*
- A. Invalid    B. Executes once    C. Infinite Loop    D. Compiler error