

1. Which loop is entry-controlled in C?

- A. for
- B. while
- C. do-while
- D. Both A and B.

2. Which loop executes at least once even if the condition is false?

- A. for
- B. while
- C. do-while
- D. NONE.

3. What is the output of the following?

- A. 12
- B. 123
- C. 23.
- D. 012

```
C
for(int i=1; i<=3; i++)
    printf("%d", i);
```

4. Which is the correct syntax of a while loop?

- A. while (condition);
- B. while (condition) {}
- C. inwhile {condition}
- D. While (condition)

5) How many times will the loop run?

```
C  
int i=1;  
while(i<5)  
    i++;
```

A. 3

B. 4

C. infinite

D. 5

6. What is the output?

```
C  
int i=1;  
do {  
    printf("%d", i);  
    while(i>5);  
}
```

A. NO Output

B. 1

C. Infinite loop

D. Error

7) Which loop is preferred when the number of iteration is known?

A. for

B. while

C. do-while

D. NONE

8. What is -the output?

C

```
-for (int i=0; i<5; i+=2)  
    printf("%d", i);
```

A. 01234

B. 024

C. 24

D. 135

9. Which keyword is used to skip the current iteration?

A) Break

B) Exit

C) continue

D) Skip.

10. Which keyword terminates a loop entirely?

A. Break

B. Exit

C. continue

D. end

11) What type of loop is this?

C

```
for(;;)
```

A) counted loop

B) Empty loop

C) Infinite loop

D) post-test loop

12. What is the output?

- A) 5 4 3 2 1 0
- B) 4 3 2 1 0
- C) 4 3 2 1
- D) 5 4 3 2

```
c  
int i=5;  
while (--i>=0)  
    printf ("%d", i);
```

13. What is mandatory in a for loop?

- A. Initialization
- B. Condition
- C. Increment
- D. None of the above.

14. What happens if the condition in a while loop is always true?

- A. Compile error
- B. Infinite loop
- C. Executes once
- D. No output.

15. Which loop executes the fastest generally?

- A. for
- B. while
- C. do-while
- D. All same.

16. What is the output?

```
C  
int i=1;  
for ( ; i<=3; )  
    printf("%d", i++);
```

- A. 1 2
- B. 1 2 3
- C. 2 3
- D. error.

17. What is wrong in this loop?

```
C  
while (i=5)  
    printf("Hello");
```

- A. condition uses assignment instead of comparison
- B. Missing braces
- C. Missing semicolon
- D. Nothing

18) Which loop guarantees at least one execution?

- A. for
- B. while
- C. do-while
- D. All.

19) What is the output?

```
C  
int i=3;  
do {  
    printf("%d", i--);  
}  
} while (i>=0);
```

- A. 3 2 1
- B. 3 2 1 0
- C. 2 1 0
- D. 3 2

20) Which loop is best for menu-driven programs?

- A. for
- B. while
- C. do-while
- D. None.