

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. ~~Which~~ 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. while {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. 0 1 2 3 4

B. 0 2 4

C. 2 4

D. 1 3 5

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.