

22/11/2025

6)

- 1) 20 MCQs are loop concept of for loop and while loop and do-while loop
- 2) which loop checks the condition before executing the body?
- A) for
  - B) while
  - C) do-while
- D) Both A and B
- 3) which loop always executes at least one time?
- A) for
  - B) while
  - C) do-while
  - D) none
- 4) what is the output of:
- ```
for (int i=1; i<3; i++)  
    cout << i; ** A. 123
```
- B. 123
- B) 12
  - C) 1235
  - D) 0
- 5) which loop is best when the number of iterations is known?
- A) for
  - B) while
  - C) do-while
  - D) none
- 6) which is the correct syntax of while loop?
- A) while (condition)
  - B) do (condition)
  - C) while {condition}
  - D) loop (condition)

- 6) A do - while loop ends with:  
A) end;  
 B) while (condition);  
C) loop (condition)  
D) condition
- 7) what is the output?  
int i=1;  
while (i<=3) {  
cout << i;  
i++;  
}  
 A) 123  
B) 12  
C) 3  
D) infinite loop
- 8) what is the output?  
int i=5;  
do {  
cout << i;  
i--;  
} while (i>=3);  
 A) 543  
B) 54  
C) 5433  
D) 5
- 9) which loop is entry controlled?  
A) for  
 B) while  
 C) Both A&B  
D) do while

10) which loop is exit controlled?

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

11) what is the output?

```
-for (int i=1; i<5; i=i+2)  
    cout << i;
```

- A) 12
- B) 135
- C) 13
- D) 15

12) if condition is always true, while loop becomes:

- A) stopped
- B) infinite loop
- C) One time loop
- D) No loop

13) what is the output

```
int i=3;  
while (i>5){  
    cout << "hi";  
}
```

- A) -hihi
- B) hi
- C) Infinite -hi
- D) no output

14) what is the output?

```
int i=1;  
do {  
    i++;  
} while (i<=1);  
cout<<i;
```

- A) 0
- B) 1
- ~~C) 2~~
- D) infinite

15) which statement is used to stop a loop immediately?

- A) stop
- B) exit
- ~~C) break~~
- D) continue

16) which statement skips the current iteration?

- A) skip
- B) break
- C) stop
- ~~D) continue~~

17) what is the output?

```
for (int i=1; i<=5; i++) {  
    if (i==3) continue;  
    cout<<i;  
}
```

- A) 12345
- ~~B) 1245~~
- C) 135
- D) 345

18) what is the output

```
for (int i=1; i<=5; i++) {  
    if (i==3) break;  
    cout << i;  
}
```

A) 12

B) 123

C) 12345

D) 1

19) which loop is best suited when you want at least one execution?

A) for

B) while

C) do-while

D) none

20) what is the output?

```
int i=10;
```

```
do {
```

```
    cout << i << " ";
```

```
    i = i + 10;
```

```
} while (i <= 30);
```

A) 10 20

B) 10 20 30

C) 10

D) 10 20 30 40