

Assignment-3

22-11-25

1. write 20 mcq's in loops are while, do, for.

Ans:-

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?

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

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

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. 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?

- A. ^C for (jj)
Counted loop
- B. empty loop
- C. infinite loop
- D. Post-test loop

12. what is the output?

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

- A. 543210
- B. 43210
- C. 4321
- D. 5432

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<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. 321
- B. 3210
- C. 210
- D. 32

20. which loop is best for menu - driven programs?

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