

## Chapter - 14

### Loop Control Structure

1. What is offered by programming language to execute a statement multiple times?  
**Loop control structure.**
2. Loop control structure is also known as what?  
**Looping.**
3. The main part of looping is known as what?  
**Body of loop.**
4. How many control statement are available in C language?  
**2**
5. Which are control statements available in C language?  
**Entry controlled and Exit controlled.**
6. Which controlled loop checks condition before execution of statement?  
**Entry controlled.**
7. Which controlled loop checks condition after execution of loop body?  
**Exit controlled.**
8. Which loop is used when we want to execute block of statements fixed number of times?  
**for loop.**
9. Which condition can be used inside for loop to make it more dynamic?  
**Exit condition.**
10. Three expressions of the header of for loop are mentioned in what?  
**( ).**
11. Which expression will be evaluated only once when the for loop starts?  
**Expression – 1.**
12. Which loop is used when number of iteration can not be predefined?  
**while.**
13. Find the sum of all numbers entered until user enter zero. For this program which statement is used?  
**while.**

14. Using which operator can we initialize more than one parameters in for loop?

**Comma.**

15. Display menu option and take proper action until user select exit option. For this program which statement is used?

**while.**

16. In while loop, what is evaluated first of all?

**Test expression.**

17. Which loop is used when the test expression is to be checked after executing body of loop?

**do...while.**

18. For which of the reasons do.. while loop is known as exit – controlled loop?

**As condition is checked at the end of loop.**

19. Which statement is used when we want to terminate loop instantly without even execution of other Statement of loop?

**break statement.**

20. For every do clause, there must be what?

**while.**

21. Which statement forces the next iteration of the loop to take place skipping any code in between?

**Continue statement.**

22. When there is a loop within another loop, it is known as what?

**Nested loop.**

23. Which shortcut key is used to terminate infinite loop?

**Ctrl + C.**

24. Which loop runs forever and program control never comes out of it?

**Infinite loop.**

25. Examples of entry control loop are **for and while.**

26. Example of exit control loop is **do ... while.**

27. What is the output of following program?

```
int a=10,b=15;
do { a=a+2;}
while(a<=b);
printf(“%d”,a);
```

**16.**

28. How many times printf statement is executed in the following program segment?

```
int n1=4;
while(n1<8)
{   printf(“Computer world.....”);
    n1+ +; }
```

**4.**

29. What is the output of following program?

```
for(int a=2;a<20;a=a+2);
printf(“%d”,a);
```

**20.**

30. What is the output of following program?

```
for(int i=5;i<=7;i++)
{ printf(“%d”,i); }
```

**567.**