

Prepare 20 MCQ's on loops concept.

① How many times will this loop run?

```
for (int i=1; i<=5; i++)  
    printf("%d", i);
```

- A) 4 time
- B) 5 times
- C) 6 time
- D) Infinite time

Answer: B

② What is the output

```
int i=1;  
while (i<=3) {  
    printf("%d", i);  
    i++;  
}
```

- A) 1 2
- B) 1 2 3
- C) 2 3
- D) No output

Answer: B

③ Which loop executes at least once?

- A) for loop
- B) while loop
- C) do-while loop
- D) All of the above

Answer: C

④ What is the out put

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

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

Answer :- A

⑤ Which loop is best when the number of iterations is known?

- A) while
B) do-while
C) For
D) If

Answer :- C

⑥ What is the output?

```
For (int i = 1; i < 5; i += 2)  
    printf("%d", i);
```

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

Answer: B

7) What does this loop do?

```
while (1) {  
    printf("Hello");  
}
```

- A) Prints Hello once
- B) Prints Hello 5 times
- C) Infinite loop
- D) Error.

Answer : - C

8) What is the output?

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

- A) No output
- B) 1
- C) 1 2
- D) Infinite loop

Answer : B

9) What is the output?

```
for (int i = 3; i >= 1; i--)  
    printf("%d ", i);
```

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

Answer : B

⑩ Which statement exists from a loop?

- A) continue
- B) exist
- C) Break
- D) stop

Answer:- C

⑪ What does continue do?

- A) Stops the loop
- B) SKIPS current iteration
- C) End the program
- D) Goes to previous iteration.

Answer:- B

⑫ What is the output?

```
for (int i=1; i<=5; i++) {
```

```
    if (i==3)
```

```
        continue;
```

```
    printf("%d", i);
```

```
}
```

A) 12345

B) 1245

C) 345

D) 12

Answer:- B

⑬ What is the output?

```
for (int i=1; i<=5; i++) {
```

```
    if (i==4)
```

```
        break;
```

```
    printf("%d", i);
```

```
1 printf("%d", i);
```

```
3
```

A) 123

B) 1234

C) 4

D) No output

Answer:- A

14) How many times will the loop run?

```
for(int i=0; i<10;)
```

```
    i++;
```

A) 0

B) 5

C) 10

D) Infinite

Answer:- C

15) What is the output?

```
int i=0;
```

```
while (i<3) {
```

```
    printf("%d", i);
```

```
    i++;
```

```
}
```

A) 01

B) 012

C) 123

D) No out

Answer:- B

16) Output of the Program?

```
int i=1;  
while(i<=5)  
    i++;  
printf("%d", i);
```

- A) 5
- B) 6
- C) Infinite loop
- D) 4

Answer: B

17) What is the output?

```
int i=1;  
do { i++;  
    } while(i<1);  
printf("%d", i);
```

- A) 1
- B) 0
- C) 2
- D) No output

Answer: - C

18) What is the output?

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

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

Answer: - D

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

A) For

B) While

C) Do-While

D) If

Answer: C

20) What is the output?

```
int i;
```

```
for (i=5; i>0; i--)
```

```
printf("%d ", i);
```

A) 5 4 3 2 1

B) 5 3 1

C) 5 3

D) 5 2

Answer: B