

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 output

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

- A) 54321
B) 01234
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) 1234
B) 13
C) 135
D) 24

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?

```
for (int i=1; i<=5; i++)  
    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) 123

- B) 321

- C) 012

- 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);~~

printf("%d", i);

- A) 123
- B) 1234
- C) 4
- D) No output

Answer:- A

Q14 How many times will the loop run?

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

- A) 0
- B) 5
- C) 10
- D) Infinite

Answer:- C

Q15 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 {  
    if(  
        3  
    while(i<1);  
    printf("%d", i);  
}
```

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

Answer: - E

(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-2=2)  
    printf ("%d", i);
```

A) 54321

B) 531

C) 53

D) 52

Answer: B