

1) Which loop is guaranteed to execute at least once?

- A) for B) While C) do-while D) foreach.

Ans

2) What is the output of

```
for (int i = 1; i <= 3; i++);
```

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

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

3) Which loop is best when the number of iterations is known?

- A) for B) While C) do-while D) switch.

4) Which keyword is used to exit a loop immediately?

- A) Exit B) Stop C) break D) quit.

5) What does continue do inside a loop?

A) stops the loop.

B) skips current iteration

C) ends program.

D) Repeats loop from start.

6) What is the output?

```
int i = 5;
```

```
while (i > 5)
```

```
printf("Hi");
```

A) Hi printed 5 times

B) Hi printed Once

C) No finite loop

D) No output.

7) Which of the following can't create an infinite loop?

- A) for(;;) B) while(1) C) Both A and B D) None.

8) 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) 0 2 4

9) Which loop checks condition at the end?

A) for B) while C) do-while D) \exists

10) What is the output?

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

while (i < 3);

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

11) How many times will it print?

```
for (int i = 0; i < 5; i++);
printf("hello");
```

A) 0 B) 1 C) 5 D) infinite.

12) Which variable is used as loop control?

A) any variable B) loop variable C) Both A & B D) constant

13) What is the output?

```
int i;
for (i = 10; i > 10; i--)
    printf("x");
```

A) x Once B) x printed infinite times C) No output D) Error

14) Which loop is best for menu driven programs?

A) for B) while C) do-while D) switch

15.) Output?

```
for (int i = 1; i <= 3; i++) {
```

```
    for (int j = 1; j <= 2; j++) {
```

```
        printf("%*");
```

```
    }
```

```
}
```

a) * * . b) * * * * . c) * * * * * * * * d) * * *

16.) Which loop executes zero or more times?

a) while b) for c) do-while d) Both A and B.

17.) Output?

```
int i = 1;
```

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

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

```
    i++;
```

```
}
```

a) 1 2 b) 1 2 3 c) 1 2 3 4 d) No output

18.) What is the loop body?

a) statements inside loop. b) condition c) initialization.

d) increment.

19.) Which loop supports all three parts: init, condition, increment in one line?

a) while b) nested loop c) do-while d) ~~Output~~ for

20.) Output?

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

```
    if (i % 2 == 0)
```

```
        continue;
```

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

```
}
```

a) 1 2 3 4 5 b) 1 2 4 5 c) 1 2 3 5 d) 2 3 4 5.