

```

int main() {
    int i;
    for (i = 0; i < 5; i++);
    printf("%d\n", i);
    return 0;
}

```

- a) 0
- b) 4
- c) 5
- d) compile error

Ans:- c) 5

2) Which of the following describes an infinite for loop in C?

- a) for (int i = 0; i < 5; i--)
- b) for (i; i)
- c) for (int i = 0; i > 5; i++)
- d) for (int i = 0; i = 5; i++)

Ans:- b) for (i; i)

3) #include <stdio.h>

```

int main() {
    int count = 0;
    for (int i = 0; i < 3; i++) {
        for (int j = 0; j < 2; j++) {
            count++;
        }
    }
    printf("%d\n", count);
    return 0;
}

```

What will be the value of count printed?

a) 3

b) 2

c) 5

d) 6

Ans:- d) 6

4) #include <stdio.h>

void main ()

{

int i;

for(i=0, i<5, i++)

{

printf("Hi");

}

}

a) Hi is printed 5 times

b) Hi is printed 4 times

c) Runtime error

d) Compiler error

Ans:- d) Compiler error

5) #include <stdio.h>

void main ()

{

int x = 0;

if(x=0)

printf("coder\n");

else

printf("funda\n");

}

a) coder

b) funda

c) Runtime error

d) none

Ans:- b) funda

6) write the C code

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
int c1pro = 1, c1pro = 3, cpro = 4;
```

```
c2pro += c1pro !  $\equiv$  c2pro == cpro < c1pro + 2;
```

```
printf("%d", c2pro);
```

```
}
```

a) 1

b) 2

c) 3

d) 4

Ans:- b) 2

7) #include <stdio.h>

```
void main()
```

```
{
```

```
int a = 0, b = 1, c;
```

```
if (a && (b = 5))
```

```
    c = 1
```

```
else
```

```
    c = 2;
```

```
printf("%d %d %d", a, b, c);
```

a) 0 1 1

b) 0 1 2

c) 0 5 2

d) 0 5 1

Ans:- b) 0 1 2

8) # include <stdio.h>

```
int main() {
```

```
    int i;
```

```
    for (i = 0; i < 3; i++) {
```

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

```
    }
```

```
    return 0;
```

```
}
```

a) 0 1 2 3

b) 0 1 2

c) 1 2 3

d) compiler error

Ans:- b) 0 1 2

9) How can you create an infinite 'for' loop in C?

a) for (;;)

b) for (1; 1; 1)

c) for (int i = 0; ; i++)

d) All of the above

Ans:- d) All of the above

10) # include <stdio.h>

```
int main() {
```

```
    int x = 5;
```

```
    do {
```

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

```
        x--;
```

```
    } while (x > 0);
```

```
    return 0;
```

```
}
```

A) 5 4 3 2 1 0

D) Infinite loop

Ans:- B) 5 4 3 2 1

11) The code for (;;) represents an infinite loop It can be terminated by _____

a) ~~break~~ break.

b) Continue.

c) switch

d) None

Ans) break

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

A) 01234

B) 12345

C) 012345

D) None

Ans:- A) 01234

```
13) int x = 10;
    while (x > 0) {
        x -= 3;
    }
    printf("%d", x);
```

A) 1

B) -2

d) 7

Ans:- B) - 2

14) #include <stdio.h>

```
int main()
```

```
{
```

```
while()
```

```
printf("In while loop");
```

```
printf("After loop\n");
```

```
}
```

a) In while loop

b) After loop

c) compile time Error

d) Infinite loop

Ans:- c) compile time Error

15) #include <stdio.h>

```
int main()
```

```
{
```

```
int i = 0;
```

```
do {
```

```
    i++;
```

```
    printf("In while loop\n");
```

```
} while (i < 3);
```

```
}
```

a) 3 times in while loop

b) 2 times print in while loop

c) Depends on the compiler

d) compiler time error

a) 3 times print in while loop.

```
int main()
```

```
{
```

```
int i = 0;
```

```
do {
```

```
    i++;
```

```
    printf("in while loop\n");
```

```
} while (i < 3);
```

```
}
```

How many times i value is checked?

a) 2

b) 3

c) 4

d) 1

Ans:- b) 3

17) #include <stdio.h>

```
void main()
```

```
{
```

```
int i = 2;
```

```
do
```

```
{ printf("Hi")
```

```
} while (i < 2)
```

```
}
```

a) compile time error

b) Hi Hi

c) Hi

d) none

Ans:- a) compiler error because of semi colon (;) at the end of the while statement.

```

18) void main()
{
    int i=0;
    while(++i);
    {
        printf("H")
    }
}

```

- a) H
- b) H is printed infinite times
- c) compiler error
- d) varies

Ans:- b) H is printed infinite times.

```

19) void main() {
    int i=0
    do
    {
        printf("Hello");
    } while (i!=0);
}

```

- a) Nothing
- b) Hello Hello
- c) Hello
- d) Run time error

Ans:- c) Hello. because $i \neq 0$ ($0 \neq 0$ is true) so Hello printed.

```

20) void main() {
    int i=0
    while (i<3)
    {
        printf("you");
    }
}

```

A) compiler error

b) you

c) you you

Ans:- A) compiler error