

DAY-14(Nested Loop)

1

"Predict the output -

```
int n=2;  
for (int i = 1; i < n; i++) {  
    for (int j = 1; j <= i; j++) {  
        System.out.print(j+" ");  
    }  
    System.out.println();  
}
```

☐ 1 2

☒ 1

☐ 1 1 2

☐ 1 1 2

Correct

Predict the output -

```
int i=0,j=0;
    for ( i = 1; i <= 5; i++) {
        for ( j = 3; j >= i; j--) {

            }
        }
    System.out.println(i);
    System.out.println(j);
```

☐ 5 1

☐ 5 3

☒ 6 3

☐ code does not compile

Correct

Predict the output -

```
for (int i = 1; i <= 5; i++) {  
    for(int j = 3; j >= i; j--) {  
  
        }  
    }  
    System.out.println(i);  
    System.out.println(j);
```

☒ 6 3

☐ code does not compile

☐ 5 3

☐ 5 1

Incorrect

How many levels of nesting can you have in Java loops?

☐ Up to three levels

☒ It is unlimited

☐ Up to two levels

☐ Only one level

Correct

How many times the inner loop will run ??

```
for (int i = 1; i <= 3; i++) {  
    for (int j = 3; j >= i; j--) {  
        System.out.print(j + " ");  
    }  
}
```

☒ 6 times

☐ 7 times

☐ 9 times

☐ 5 times

Correct