Control Loops

What value is printed for the loop variable when the code shown below runs?

```java
int loop = 0;
while (loop <= 12) {
    System.out.println(loop);
    loop++;
}
```

A. 0 to 12  
B. 0 to 13  
C. 1 to 12  
D. 1 to 13  
E. Will not compile!

Question - 1

How many times will the body of the 'while' loop execute?

```java
int loop = 0, j = 0;
while (loop < 1) {
    j++;
}
```

A. 0 times  
B. 1 time  
C. 2 times  
D. 128 times  
E. Infinite loop!

Question - 2
How many times will the body of the ‘while’ loop execute?

```java
int loop = 0, j = 0;
while (loop < 1)
j++;
```

A. 0 times  
B. 1 time  
C. 2 times  
D. 128 times  
E. Infinite loop!

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How many times will the body of the ‘while’ loop execute?

```java
int loop = 0, j = 0;
while (loop < 1)
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How many times will the body of the ‘while’ loop execute?

```java
int loop = 0, j = 0;
while (loop < 1)
loop++;  
```

A. 0 times  
B. 1 time  
C. 2 times  
D. 128 times  
E. Infinite loop!

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On to the lecture
What is printed below?

```java
byte loop = 1;
do {
    loop++;
} while (loop < 0);
System.out.println(loop);
```

A. -1
B. 0
C. 1
D. 2
E. Infinite loop!

Question 8

How many times will the body of the 'do while' loop execute?

```java
byte loop = -1;
do {
    loop++;
} while (loop < 0);
System.out.println(loop);
```

A. 0 times
B. 1 time
C. 2 times
D. 128 times
E. Infinite loop!

Question 10

What is printed below?

```java
byte loop = 1;
do {
    loop++;
} while (loop < 0);
System.out.println(loop);
```

A. -1
B. 0
C. 1
D. 2
E. Infinite loop!

Question 9

How many times will the body of the 'do while' loop execute?

```java
byte loop = -1;
do {
    loop++;
} while (loop < 0);
System.out.println(loop);
```

A. 0 times
B. 1 time
C. 2 times
D. 128 times
E. Infinite loop!
What value is printed for the loop variable when the code shown below runs?

```
int loop = -1;
while (loop >= 8)
    loop++;
System.out.println(loop);
```

A. 8  
B. 9  
C. 10 
D. -1 
E. Will not compile!