Peer Instruction 4

Control Loops

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

```java
int loop = 0;
while (loop <= 10) {
    loop++;
    System.out.println(loop);
}
```

A. 0 to 9  
B. 0 to 10  
C. 1 to 10  
D. 1 to 11  
E. Will not compile!

Question - 2

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

```java
int loop = 0;
while (loop <= 10) {
    loop++;
}
System.out.println(loop);
```

A. 9  
B. 10  
C. 11  
D. 12  
E. Will not compile!

Question - 3

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

```java
int loop = 0;
while (loop <= 10) {
    loop++;
}
System.out.println(loop);
```

A. 0 to 9  
B. 0 to 10  
C. 1 to 10  
D. 1 to 11  
E. Will not compile!

Question - 4

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

```java
byte loop = -2;
do {
    loop++;
} while (loop < 0);
```

A. 0 times  
B. 1 time  
C. 2 times  
D. 128 times  
E. Infinite loop!
How many times will the body of the 'do while' loop execute?

byte loop = -1;
do {
    loop++;
} while (loop < 0);

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