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!

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!

On to the lecture
How many times does the ‘for’ loop shown below execute?

```java
for (int i = -5; i <= 30; i += 5) {
    // Do something useful
}
```

A. 7 times  
B. 8 times  
C. 9 times  
D. Will not compile!

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What does the following code print for the final value of the loop variable?

```java
char c;
for (c = 'A'; c <= 'S'; c++)
    System.out.println("c is " + c);
```

A. c is R  
B. c is S  
C. c is T  
D. Will not compile!

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How many lines are printed in the following?

```java
for (int i = 0; i < 5; i++)
    System.out.println("i is " + i);
```

A. 1  
B. 4  
C. 5  
D. Will not compile!