



Control Loops

0



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

```
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!

1



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

```
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!

2



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

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

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

3



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

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

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

4



On to the lecture

5



How many times does the 'for' loop shown below execute?

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

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

For Loops



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Question - 6



6



How many times does the 'for' loop shown below execute?

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

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

For Loops



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Question - 7



7



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

```
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!

For Loops



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Question - 8



8



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

```
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!

For Loops



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Question - 9



9



How many lines are printed in the following?

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

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

For Loops



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Question - 10



10



How many lines are printed in the following?

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

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

For Loops



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Question - 11



11