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Review Questions  
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1. What will the println statement in the following program segment display?

int x = 5;

System.out.println(x++);  
Answer: A (5)

4. What is each repetition of a loop known as?  
Answer: D (Iteration)

6. The while loop is this type of loop.  
Answer: A (pretest)

7. The do-while loop is this type of loop.  
Answer: B (posttest)

8. The for loops is this type of loop.  
Answer: A (pretest)

9. This type of loop has no way of ending and repeats until the program is interrupted.  
Answer: C (Infinite)

10. This type of loop always executes at least one time.  
Answer: C (for)

11. This expression is executed by the for loop only once, regardless of the number of iterations.  
Answer: A (Initialization Expression)

Find the Error  
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1. Variable again is not initialized.

2. Variable total is not initialized.

4. count++ is used twice, so count will go up by two with each cycle.

Algorithm Workbench  
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6.

for(int count2 = 1, count2 <= 15, count2++);{  
 String pound = “”;  
 pound += “#”;  
 for(int count = 1, count <= 10, count++);{  
 System.out.println(pound);

}  
  
}

11.

Int num;

System.out.println(“Please enter a number from 1 to 5.”)  
 num = keyboard.nextInt();

while(num > 0 && num < 6)  
 //Code  
}