1. What is a loop?

2. What are the two categories of loops?

1.

2.

3. Write out the Java syntax for a while-loop

4. What does “iterate” mean?

5. How can you make an infinite while-loop in Java?

6. Write out the Java syntax for a do-while-loop

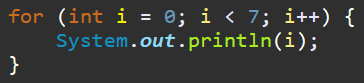
7. What is the difference between a while-loop and a do-while-loop?

8. Write out the Java syntax for a for-loop

9. What is the main difference between a for-loop and a while-loop?

10. Write a for-loop that prints every odd number between 3 and 19 (inclusive)

11. Convert the following for-loop to a while-loop:



12. When should you use a for-loop versus a while-loop?

13. Write out the Java syntax for a for-each-loop

14. What do continue and break do?

15. What is an array?

16. Write out the Java syntax for declaring an array

17. Create a String array of size 10

18. What symbols are always used when working with arrays in Java?

19. What is an index?

20. What is the first index in a Java array?

21. How do you get the number of items in an array named “arr”?

22. Write a for-loop that iterates over an int array named “arr” and prints out each value

23. Write a for-each-loop that does the same thing

24. Write a for-loop that iterates over an int array and sums together every number less than 5

25. Fix the errors in the following code (one error per line):

26. Write out the code to swap two elements in an array:

int[] arr = new int[5];

// swap index 0 and index 1