1. (2 pts) Suppose we have a reference to a Stack called stack. If we add the numbers 0 through 9 to the stack, and then remove and print the elements from the stack until its empty, what order will the numbers be printed in?

2. (2 pts) Suppose we have a reference to a Queue called queue. If we add the numbers 0 through 9 to the queue, and then remove and print the elements from the queue until its empty, what order will the numbers be printed in?

3. (2 pts) If we want to add new Nodes to the front of a linked list, what is wrong with the following code? Assume there is a Node definition whose constructor accepts an Object and a Node.

   ```java
   public void add(Object o) {
       head = new Node(o,null);
   }
   ```

4. (2 pts) Suppose we have a linked list as in problem 3. Assume the Object in the Node class is referred to as datum, and the Node is referred to as next. Assume that there are more than 2 nodes in the list. If head refers to the first node in the list, what is a reference to the second node in the list?

5. (2 pts) Suppose we have a linked list as in problem 4. We want to write a method which will traverse the list and print out the elements found. Fill in the following code.

   ```java
   for (Node current=head; ______________; ______________)
       System.out.println(current.datum);
   ```