This week’s quizzes cover readings, handouts, labs, and lecture materials up to and including Monday 2/21. Answer the following questions as practice for your graded quiz on Friday.

1. Consider the following java method.

   ```java
   public static int findFirstSpace(String s) {
       for(int i = 0; i < s.length(); i++) {
           if(s.charAt(i) == ' ') {
               System.out.println("Found space at i = " + i);
               return i;
           }
       }
       return -1;
   }
   ```

   (a) In the worst case, how many times does the for loop iterate? (In other words, how many times at most is the expression if(s.charAt(i) == ' ') evaluated?)

   Your answer: _____________________________________________
   
   (b) In the best case, how many times does the for loop iterate? (In other words, how few times at a minimum is the expression if(s.charAt(i) == ' ') evaluated?)

   Your answer: _____________________________________________
   
   (c) At most how many times can the text Found space at be printed to the terminal?

   Your answer: _____________________________________________

2. Write a method that reverses a `Vector<Integer>` called `orig`, storing the result in another `Vector<Integer>` called `flip`. Assume both vectors are instantiated and that `flip` is empty.

   Recall that `Vector<E>` has a number of useful methods (you may not need all of these):
   - E get(int i): fetch the element stored at index i.
   - E set(int i, E obj): update the value stored at index i.
   - void add(E obj): add an element to the high end of the vector, possibly expanding it.
   - int size(): determine the number of elements in the vector.

   ```java
   public static void rev(Vector<Integer> orig, Vector<Integer> flip) {
       for(int i = orig.size() - 1; i >= 0; i--) {
           flip.add(orig.get(i));
       }
   }
   ```