```java
1  package proj5;
2
3  /**
4   * A counter object that counts the number of
     appearance
5   * of a word in a paragraph
6   * author: Son Nguyen (Kyrie)
7   * version: 6/3/2020
8   */
9  public class Counter implements Comparable<Counter> {
10
11     // instance variables
12     private String word;
13     private Integer count;
14
15     /**
16      * count the number of appearance of a word in a
     paragraph
17      * @param word word needed to be counted
18      */
19     public Counter(String word) {
20         this.word = word;
21         count = 0;
22     }
23
24     /**
25      * @return number of appearance
26      */
27     public Integer getCount() {
28         return count;
29     }
30
31     /**
32      * increase number of appearance
33      */
34     public void increment() {
35         count++;
36     }
37
38     /**
39      * decrease number of appearance
40      */
41     public void decrement() {
42         count--;
```

```java
43        }
44
45        /**
46         * compare two counters
47         * @param other another counter object
48         * @return the compareTo of two words of those
   counters
49        */
50       public int compareTo(Counter other) {
51            return word.compareTo(other.word);
52       }
53
54        /**
55         * @return string representation of this counter
56        */
57       public String toString() {
58            String toReturn = word +": " + count + "\n";
59            return toReturn;
60       }
61 }
62
```