- Complete the class `Quote.java` for a null terminated list.

```
10: public class Quote {
11:
12:    // the first card in null-terminated linked list
13:    private Card start;
14:
15:    // helper linked-list data type
16:    private class Card {
17:       private String word;
18:       private Card next;
19:
20:       public Card(String word) {
21:          this.word = word;
22:          this.next = null;
23:       }
24:    }
25:
26:    // constructor - create an empty quote
27:    public Quote() {
28:       start = null;
29:    }
30:
31:    // add the word w to the end of the quote
32:    public void addWord(String w) {
33:       Card newWord = new Card(w);
34:
35:       // degenerate case when w is first word
36:       if (start == null) start = newWord;
37:
38:       // otherwise, traverse list until card points to last word
39:       else {
40:          Card card = start;
41:          while(card.next != null) {
42:             card = _____;
43:          }
44:
45:          // add card for new word to end of list
46:          _____ = newWord;
47:       }
48:    }
49:
50:    // number of words in the quote
51:    public int count() {
52:       int total = 0;
53:       for (Card card = start; _____;_____)
54:          total++;
55:       return total;
56:    }
```

```java
58:    // return the ith word where i = 1 is first word in quote
59:    public String getWord(int i) {
60:        // check for less than i words in quote or invalid index
61:        if (count() < i || i <= 0) {
62:            throw new RuntimeException("index out of bounds");
63:        }
64:
65:        Card card = start;
66:        for (int count = 1;  _____; _____)
67:            card = card.next;
68:        return _____;
69:    }
70:
71:    // insert w after the ith word, where i = 1 is the first word
72:    public void insertWord(int i, String w) {
73:        // check for less than i words in quote or invalid index
74:        if (count() < i || i <= 0)
75:            throw new RuntimeException("index out of bounds");
76:
77:        // make Card for the new word, place it after the ith card
78:        Card newWord = _____
79:        Card card = start;
80:        for (int j = 1; j < i; j++) {card = card.next; }
81:        _____
82:        _____
83:    }
84:
85:    // string representation of the quote
86:    public String toString(){
87:        String s = "";
88:        for (Card card = start; card != null; card = card.next)
89:            s = s + card.word + " ";
90:        return s;
91:    }
92:
93:    public static void main(String[] args) {
94:        Quote q = new Quote();
95:        q.addWord("A");
96:        q.addWord(``rose'');
97:        q.addWord(``is'');
98:        q.addWord(``a'');
99:        q.addWord(``rose.'');
100:        System.out.println(q);
101:        System.out.println(q.count());
102:        System.out.println(q.getWord(2));
103:        q.insertWord(3, ``just'');
104:        System.out.println(q);
105:        System.out.println(q.count());
106:    }
107: }
```