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 1  /* Problem 2--Nearly The Opposite
 2       I had one counter move forward through the string and one move
 3       backward.  Java has a built-in library command for testing whether
 4       a character is a letter. */
 5
 6  import java.io.*;
 7  import java.util.*;
 8
 9  public class prob2 {
10
11   private static Scanner in;
12   private static PrintWriter out;
13   private static int cs;
14
15   public static void main (String[] args) throws Exception {
16
17    in = new Scanner (new File ("prob2.in"));
18    out = new PrintWriter ("prob2.out");
19    cs = 1;
20    while (true) {
21     String line = in.nextLine();
22     if (line.length()==0) break;
23     out.printf ("Case %d: ",cs++);
24     int endpos = line.length()-1; /* Move Forward */
25     for (int pos = 0; pos < line.length(); pos++)
26      if (Character.isAlphabetic(line.charAt(pos))) {/* Skip nonletters */
27        while (!Character.isAlphabetic(line.charAt(endpos))) endpos--;
28        out.printf ("%c",line.charAt(endpos--)); /* Move Backward */
29      } else out.printf ("%c",line.charAt(pos));
30     out.printf ("\r\n");
31    }
32    in.close ();
33    out.close ();
34   }
35  }
36
```