## **Printing a String Backwards**

Printing a string backwards can be done iteratively or recursively. To do it recursively, think of the following specification:

If s contains any characters (i.e., is not the empty string)

□ print the last character in s
 □ print s' backwards, where s' is s without its last character

File *Backwards.java* contains a program that prompts the user for a string, then calls method *printBackwards* to print the string backwards. Save this file to your directory and fill in the code for *printBackwards* using the recursive strategy outlined above.

```
// **********************
   Backwards.java
//
   Uses a recursive method to print a string backwards.
// *******************
import java.util.Scanner;
public class Backwards
{
  //-----
  // Reads a string from the user and prints it backwards.
  //-----
  public static void main(String[] args)
    String msg;
    Scanner scan = new Scanner(System.in);
    System.out.print("Enter a string: ");
```