**Source Code:**

//Student: Michael Richards  
//Course: CS 140C  
//Date: 1/8/19  
//Project: Lab #1  
//  
//This progrom will reproduce the song provided to us.  
public class Song {  
  
 //Does the repetitive first sentence for me.  
 public static void intro() {  
 System.out.print("There was an old woman who swallowed a ");  
 } //end method  
  
 //Does the last three sentences and the space and the intro for the next verse for me.  
 public static void out() {  
 System.out.println("She swallowed the spider to catch the fly,");  
 System.out.println("I don't know why she swallowed that fly,");  
 System.out.println("Perhaps she'll die.");  
 System.out.println();  
 intro();  
 } //end method  
   
 //This prints the first verse.  
 public static void verse1() {  
 intro();  
 System.out.println("fly.");  
 System.out.println("I don't know why she swallowed that fly,");  
 System.out.println("Perhaps she'll die.");  
 out();  
 } //end method  
   
 //This prints the second verse.  
 public static void verse2() {  
 System.out.println("spider,");  
 System.out.println("That wriggled and iggled and jiggled inside her.");  
 out();  
 } //end method  
   
 //This prints the third verse.  
 public static void verse3() {  
 System.out.println("bird,");  
 System.out.println("How absurd to swallow a bird.");  
 System.out.println("She swallowed the bird to catch the spider,");  
 out();  
 } //end method  
   
 //This prints the fourth verse.  
 public static void verse4() {  
 System.out.println("cat,");  
 System.out.println("Imagine that to swallow a cat.");  
 System.out.println("She swallowed the cat to catch the bird,");  
 System.out.println("She swallowed the bird to catch the spider,");  
 out();  
 } //end method  
   
 //This prints the fifth verse.  
 public static void verse5() {  
 System.out.println("dog,");  
 System.out.println("What a hog to swallow a dog.");  
 System.out.println("She swallowed the dog to catch the cat,");  
 System.out.println("She swallowed the cat to catch the bird,");  
 System.out.println("She swallowed the bird to catch the spider,");  
 out();  
 } //end method  
   
 //This prints the sixth verse.  
 public static void verse6() {  
 System.out.println("cow,");  
 System.out.println("Can you even swallow a cow?");  
 System.out.println("She swallowed the cow to catch the dog,");  
 System.out.println("She swallowed the dog to catch the cat,");  
 System.out.println("She swallowed the cat to catch the bird,");  
 System.out.println("She swallowed the bird to catch the spider,");  
 out();  
 } //end method  
  
 //Main method that calls all of the verse methods.  
 public static void main(String[] args) {  
 verse1();  
 verse2();  
 verse3();  
 verse4();  
 verse5();  
 verse6();  
 System.out.print("horse,\nShe died of course.");  
 } //end method  
} //end class

**Output:**

----jGRASP exec: java Song  
There was an old woman who swallowed a fly.  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a spider,  
That wriggled and iggled and jiggled inside her.  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a bird,  
How absurd to swallow a bird.  
She swallowed the bird to catch the spider,  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a cat,  
Imagine that to swallow a cat.  
She swallowed the cat to catch the bird,  
She swallowed the bird to catch the spider,  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a dog,  
What a hog to swallow a dog.  
She swallowed the dog to catch the cat,  
She swallowed the cat to catch the bird,  
She swallowed the bird to catch the spider,  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a cow,  
Can you even swallow a cow?  
She swallowed the cow to catch the dog,  
She swallowed the dog to catch the cat,  
She swallowed the cat to catch the bird,  
She swallowed the bird to catch the spider,  
She swallowed the spider to catch the fly,  
I don't know why she swallowed that fly,  
Perhaps she'll die.  
  
There was an old woman who swallowed a horse,  
She died of course.  
 ----jGRASP: operation complete.