**Exercise**

Modify the FruitItineraryManager class to add a method reverseItinerary that prints the fruit itinerary in reverse order. Call this method in the main method and display the reverse itinerary after the original itinerary.

**Hint**

* Use a ListIterator starting from the end of the LinkedList to iterate backward.
* Use the iterator.hasPrevious() and iterator.previous() methods to traverse the list in reverse.
* Print the itinerary in a format similar to printItinerary3.

**Explanation**

In this exercise:

1. You will create a new method called reverseItinerary that iterates through the LinkedList from the last element to the first.
2. The method should print each transition in reverse order to represent backtracking through the fruits.
3. This will help you understand how to work with ListIterator to traverse lists in both directions and practice list manipulation.