**Lab 20 Removing the first element in a list**

Start this lab with the code listed below. The LinkedList class defines the rudiments of the code needed to build a linked list of Nodes. Complete the code for the removeFirst method, which should remove and return the first element in the linked list. Throw a NoSuchElementException if the method is invoked on an empty list. Use the LinkedListRunner class’s main method to test your code.

import java.util.NoSuchElementException;  
  
public class LinkedList  
{  
 private Node first;  
  
 public LinkedList() { first = null; }  
  
 public Object getFirst()  
 {  
 if (first == null) { throw new NoSuchElementException(); }   
 return first.data;  
 }  
  
 public void addFirst(Object element)  
 {  
 Node aNode = new Node();  
 aNode.data = element;  
 aNode.next = first;  
 first = aNode;  
   
 }  
  
 public Object removeFirst()  
 {  
 // put your code here  
 }  
  
 public String toString()  
 {  
 String temp = "";  
 Node current = first;  
 while (current != null)  
 {  
 temp = temp + current.data.toString() + '\n';  
 current = current.next;  
 }  
 return temp;  
 }  
  
 class Node  
 {  
 public Object data;  
 public Node next;  
 }  
}  
  
-----------------------------------  
  
public class LinkedListRunner  
{  
 public static void main(String[] args)  
 {  
 LinkedList myList = new LinkedList();  
 myList.addFirst("aaa");  
 myList.addFirst("bbb");  
 myList.addFirst("ccc");  
 myList.addFirst("ddd");  
 System.out.println(myList);  
 System.out.println("Removed element: " + myList.removeFirst());  
 System.out.println("Removed element: " + myList.removeFirst());  
 System.out.println(myList);  
 }  
}