Class CustomLinkedList:

Private member: head

Method insert(data):

Create newNode with data

If head is null:

Set head to newNode

Else:

Set current to head

While current.next is not null:

Move current to current.next

Set current.next to newNode

Method delete(data):

If head is null:

Return

If head.data equals data:

Set head to head.next

Return

Set current to head

While current.next is not null AND current.next.data is not data:

Move current to current.next

If current.next is not null:

Set current.next to current.next.next

Method iterator():

Return new LinkedListIterator

Inner class Node:

Members: data, next

Constructor Node(data):

Set this.data to data

Set this.next to null

Inner class LinkedListIterator implements Iterator:

Private member: current = head

Method hasNext():

Return current is not null

Method next():

If hasNext is false:

Throw NoSuchElementException

Set data to current.data

Move current to current.next

Return data

Class Main:

Method main():

Create linkedList of CustomLinkedList

Try:

Open BufferedReader br for "input.txt"

While line = br.readLine() is not null:

Try:

Parse line.trim() to integer data

Call linkedList.insert(data)

Catch NumberFormatException:

Print "Invalid integer in file: " + line

Catch IOException:

Print stack trace

Call linkedList.delete(2)

Set iterator to linkedList.iterator()

Print "LinkedList Elements: "

While iterator.hasNext():

Print iterator.next() + " "