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\* Code for Exercise 2G

\* This is the EmployeeRecord class.

\*/

public class EmployeeRecord{

private String name;

private String ssn;

private Integer salary;

public EmployeeRecord(String name, String ssn, Integer salary){

this.name = name;

this.ssn = ssn;

this.salary = salary;

}

public String getName(){

return this.name;

}

public String getSsn(){

return this.ssn;

}

public Integer salary(){

return this.salary;

}

public void setName(String name){

this.name = name;

}

public void setSsn(String ssn){

this.ssn = ssn;

}

public void setSalary(Integer salary){

this.salary = salary;

}

@Override

public String toString(){

return "Name: " + this.name + "\n" + "SSN: " + this.ssn + "\n" + "Salary: " + this.salary;

}

}

/\*\*

\* This is the Node class. Nodes make up the LinkedList and

\* contain an EmployeeRecord

\*/

public class Node{

private EmployeeRecord data;

private Node next;

public Node(EmployeeRecord data){

this.data = data;

}

public EmployeeRecord getData(){

return this.data;

}

public Node getNext(){

return this.next;

}

public void setData(EmployeeRecord data){

this.data = data;

}

public void setNext(Node next){

this.next = next;

}

public Boolean hasNext(){

if(this.next != null){

return true;

}

return false;

}

@Override

public String toString(){

return this.getData().toString();

}

}

/\*\*

\* This is the LinkedList class. It is composed of

\* Nodes.

\*/

public class LinkedList{

private Node lastNode;

public LinkedList(Node lastNode){

this.lastNode = lastNode;

}

public void addNode(Node nodeToAdd){

Node beforeNewNode = this.lastNode.getNext();

this.lastNode.setNext(nodeToAdd);

nodeToAdd.setNext(beforeNewNode);

}

public void removeNode(Node nodeToRemove, Node afterRemovedNode){

afterRemovedNode.setNext(nodeToRemove.getNext());

}

public Node getLastNode(){

return this.lastNode;

}

}