**Assignment #5**

1. Create a program (using main method) that will sort an array of int using a bubble sort algorithm. You can declare an array of int[] in the program.
2. Create a LinkedList for the following node:

class Node {

public String name;

public Node next;

Node( ) { }

Node(Sting s) { // set the name }

}

Implement code for all methods for the LinkedList and create a main program to test each method in the LinkedList.

class MyLinkedList {

private Node head;

MyLinkedList( ) { }

public void addNode(Node n) { // add a Node to end of the LinkedList }

public void printList( ) { // print each element in the LinkedList }

public void insertBefore (int index, Node n) { // adds Node n before index value }

public void insertAfter (int index, Node n) { // adds Node n after index value }

public int indexOf (String str) { //returns index of where String str is at. Returns -1 if String str

is not in LinkedList }

public void removeNodeAt(int index) { // removes Node at index value }

}