Announcements

• APT due tonight, Percolation due Thursday
• New APT out tonight
• Today – Linked Lists
Linked Lists

• Way to organize data in a list
  – Exact fit
  – Memory for one data item called “Node”
  – Nodes are linked together
public static class Node {
    String info;
    Node next;

    public Node(String str, Node nt) {
        info = str;
        next = nt;
    }
}

Node temp = new Node("Jo", null);
Connect nodes with the next field

temp = new Node("Mo", temp);
Doubly Linked Lists

Next and prev fields

```
         temp
          ↓
        “Mo”   “Jo”   “Jo”
```
Classwork 11

• Linked lists
  – Build linked lists
  – Print linked lists
  – Use recursion
  – Double a list

• Doubly Linked lists
  – Build a list
  – Print Reverse of List
  – Move To Front