

```

1 package Project4;
2
3 import java.io.Serializable;
4
5 /*****
6  * This program creates a block of memory. It holds an auto and points
7  * to the a Node that follows itself in a Linked list
8  *
9  * @author Justin Von Kulajta Winn and Nick Layman
10 * @version 1.9
11 *****/
12
13 public class Node implements Serializable {
14
15     /** this is auto that a node holds */
16     private Auto data;
17
18     /** this is that Node that this points to */
19     private Node next;
20
21     /*****
22      * This constructor creates a node with the passed info.
23      * @param data is the auto that is set within the current Node
24      * @param next is the Node that current Node is pointing to
25      *****/
26     public Node(Auto data, Node next) {
27         this.data = data;
28         this.next = next;
29     }
30
31     /*****
32      * This function returns the auto within the current Node
33      * @return the auto within the current Node
34      *****/
35     public Auto getData() {
36         return data;
37     }
38
39     /*****
40      * This function overwrites the current data within the Node and replaces
41      * it with the passed auto.
42      * @param data is the auto that the data is set to
43      *****/
44     public void setData(Auto data) {
45         this.data = data;
46     }
47
48     /*****
49      * This function returns the Node that this Node is pointing to.
50      * @return the Node that is being pointed to by the current Node
51      *****/
52     public Node getNext() {
53         return next;
54     }
55
56     /*****

```

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57      * This function sets the pointed to Node to the incoming Node
58      * @param next is the Node that the current Node is to be pointed to
59      * *****/
60      public void setNext(Node next) {
61          this.next = next;
62      }
63 }
64
```