

# Direct Access File Implementation Of Doubly Linked List

NodePtr = GetNode ()  
Returns a NodePtr To The Next Available Node  
DA-DLList - "Divide & Conquer"

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## Records Added & Deleted Over Time

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```
DA_DLList <ListHeader, int>
```

```
    Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");
```

```
    TrinitySports.Display("----> Initialized TrinitySports");
```

```
----> Existing Hicks-Inventory
```

	Name	Manager	#	Total	Front	Rear
4	Ladie's Shoes	Myers	0	0.00	0	0
3	Sporting Goods	Lewis	0	0.00	0	0
2	Computers	Hicks.	0	0.00	0	0
1	Appliances	Pitts.	0	0.00	0	0
0			0	0.00	0	0

	Left	Info	Del	Right
12	27	Golf Tees 125 3 60 2.00	T	11
11	29	Teather Ball 155 3 4 14.00	T	4
10	46	Baseball 123 3 10 8.00	T	1
9	32	Cup 156 3 23 8.88	T	8
8	23	Gas Stove 136 1 6 237.69	T	3
7	17	Microwave 112 1 15 59.80	T	2
6	54	GB Hard Drive 120 2 12 37.95	T	/
5	40	Soccer Ball 141 3 5 40.00	T	6

Direct Access File Implementatio

4	28	Golf Balls	104	3	10	12.00	T	10
3	11	Tennis Balls	127	3	6	3.00	T	5
2	9	Football	105	3	15	25.00	T	12
1	36	Basketball	111	3	10	25.00	T	9
	0		0	0	0	0.00	F	7

Avail = 7

**Always Make Sure That Both Avail & Record-0-Right Point To The Next Available Node  
Avail Is The Pointer To The First Node In A Single Linked List Of Available Nodes**

**Nodes Will Be Distributed In The Following Order  
Give Out Node 7**

	Left	Info					Del	Right
12	27	Golf Tees	125	3	60	2.00	T	11
11	29	Teather Ball	155	3	4	14.00	T	4
10	46	Baseball	123	3	10	8.00	T	1
9	32	Cup	156	3	23	8.88	T	8
8	23	Gas Stove	136	1	6	237.69	T	3
7	xxxx	xx					F	xxxx
6	54	GB Hard Drive	120	2	12	37.95	T	/
5	40	Soccer Ball	141	3	5	40.00	T	6
4	28	Golf Balls	104	3	10	12.00	T	10
3	11	Tennis Balls	127	3	6	3.00	T	5
2	9	Football	105	3	15	25.00	T	12
1	36	Basketball	111	3	10	25.00	T	9
	0		0	0	0	0.00	F	2

Avail = 2

**Nodes Will Be Distributed In The Following Order  
Give Out Node 2**













