

Direct Access File Implementation Of Doubly Linked List

Open Existing File Constructor DA-DLList - "Divide & Conquer" Dr. Thomas E. Hicks

Open Existing Files Hicks-Inventory.hf and Hicks-Inventory.nf

DA_DLList <PartListHeader, Part>

Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");
Num.Display("----> Existing Hicks-Inventory");

----> Existing Hicks-Inventory

	Name	Manager	#	Total	Front	Rear
4	Ladie's Shoes	Myers	0	0.00	0	0
3	Sporting Goods	Lewis	29	7655.72	33	13
2	Computers	Hicks.	18	8823.41	20	21
1	Appliances	Pitts.	6	5155.93	45	44
0			0	0.00	0	0

	Left	Info	Del	Right
56	48	Keyboard	F	22
55	15	Mouse	F	41
54	51	Floppy's	F	6
53	47	External zip	F	51
52	43	Removeable Drive	F	16
51	53	Floppy Drive	F	54
50	0	CD Player	T	0
49	16	Sound Card	F	21
48	6	Graphics Card	F	56
47	20	Case	F	53
46	33	B-Ball Shoes	F	10
45	0	Dirt Devil	F	23
44	7	Tranportable Fan	F	0
43	41	Printer Cables	F	52
42	22	Laser Printer	F	15
41	55	Printer	F	43
40	35	Shin Guards	F	5
39	5	Soccer Cleats	F	30
38	26	Knee Pads	F	18

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37	25	Golf Driver	130	3	3	99.00	F	27
36	10	Baseball Bats	106	3	4	48.00	F	1
35	34	Racquet Balls	146	3	15	6.00	F	40
34	14	Quiver	131	3	2	16.00	F	35
33	0	Arrows	147	3	100	6.00	F	46
32	1	Compound Bow	102	3	1	80.00	F	9
31	0	Archery Set	148	3	1	25.00	T	19
30	39	Squash Balls	149	3	3	8.00	F	29
29	30	Squash Racquet	119	3	2	80.00	F	11
28	2	Golf Bag	150	3	5	99.00	F	4
27	37	Golf Glove	128	3	11	14.06	F	12
26	12	Gym Bag	151	3	10	14.00	F	38
25	4	Golf Club	152	3	14	49.00	F	37
24	3	Tennis Racquet	118	3	4	80.00	F	13
23	45	Dish Washer	117	1	10	120.78	F	8
22	56	Large Monitor	139	2	9	78.99	F	42
21	49	Thin Monitor	140	2	5	89.00	F	0
20	0	CD-RW	124	2	26	56.13	F	47
19	0	CD-ROM	110	2	11	30.12	T	50
18	38	Long Socks	153	3	34	9.99	F	14
17	8	Iron	132	1	21	38.77	F	7
16	52	SDRAM	135	2	30	40.01	F	49
15	42	MotherBoard	113	2	11	55.00	F	55
14	18	Ping Pong Balls	154	3	10	3.00	F	34
13	24	Tennis Shoes	101	3	10	100.00	F	0
12	27	Golf Tees	125	3	60	2.00	F	26
11	29	Teather Ball	155	3	4	14.00	F	3
10	46	Baseball	123	3	10	8.00	F	36
9	32	Cup	156	3	23	8.88	F	2
8	23	Gas Stove	136	1	6	237.69	F	17
7	17	Microwave	112	1	15	59.80	F	44
6	54	GB Hard Drive	120	2	12	37.95	F	48
5	40	Soccer Ball	141	3	5	40.00	F	39
4	28	Golf Balls	104	3	10	12.00	F	25
3	11	Tennis Balls	127	3	6	3.00	F	24
2	9	Football	105	3	15	25.00	F	28
1	36	Basketball	111	3	10	25.00	F	32
	0		0	0	0	0.00	T	31

Avail = 31

Open Existing Files Hicks-Inventory.hf and Hicks-Inventory.nf - Header>1-> List

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

```
    Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");
    Num.DisplayList (1, "\n\nHicks-Inventory->Header 1");
```

```
Hicks-Inventory->Header 1
```

	Name	Manager	#	Total	Front	Rear		
1	Appliances	Pitts.	6	5155.93	45	44		
Left	Info		Del	Right				
45	0	Dirt Devil	114	1	11	48.80	F	23
23	45	Dish Washer	117	1	10	120.78	F	8
8	23	Gas Stove	136	1	6	237.69	F	17
17	8	Iron	132	1	21	38.77	F	7
7	17	Microwave	112	1	15	59.80	F	44
44	7	Tranportable Fan	116	1	6	45.67	F	0

Open Existing Files Hicks-Inventory.hf and Hicks-Inventory.nf - Header>2-> List

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

```
    Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");
    Num.DisplayList (2, "\n\nHicks-Inventory->Header 2");
```

```
Hicks-Inventory->Header 2
```

	Name	Manager	#	Total	Front	Rear		
2	Computers	Hicks.	18	8823.41	20	21		
Left	Info		Del	Right				
20	0	CD-RW	124	2	26	56.13	F	47
47	20	Case	134	2	4	20.00	F	53
53	47	External zip	129	2	8	67.75	F	51
51	53	Floppy Drive	126	2	4	12.00	F	54
54	51	Floppy's	115	2	99	0.50	F	6
6	54	GB Hard Drive	120	2	12	37.95	F	48
48	6	Graphics Card	142	2	7	58.00	F	56
56	48	Keyboard	133	2	44	12.99	F	22
22	56	Large Monitor	139	2	9	78.99	F	42
42	22	Laser Printer	108	2	13	43.99	F	15
15	42	MotherBoard	113	2	11	55.00	F	55

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55	15	Mouse	109	2	35	7.99	F	41
41	55	Printer	145	2	14	29.98	F	43
43	41	Printer Cables	144	2	12	9.99	F	52
52	43	Removeable Drive	122	2	12	59.94	F	16
16	52	SDRAM	135	2	30	40.01	F	49
49	16	Sound Card	107	2	4	34.99	F	21
21	49	Thin Monitor	140	2	5	89.00	F	0

Open Existing Files Hicks-Inventory.hf and Hicks-Inventory.nf - Header>3-> List

```
DA_DLList <ListHeader, int>
    Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");
    Num.DisplayList (3, "\n\nHicks-Inventory->Header 3");
```

Hicks-Inventory->Header 3

	Name	Manager	#	Total	Front	Rear
3	Sporting Goods	Lewis	29	7655.72	33	13
	Left	Info			Del	Right
33	0	Arrows	147	3	100	6.00 F 46
46	33	B-Ball Shoes	143	3	9	135.99 F 10
10	46	Baseball	123	3	10	8.00 F 36
36	10	Baseball Bats	106	3	4	48.00 F 1
1	36	Basketball	111	3	10	25.00 F 32
32	1	Compound Bow	102	3	1	80.00 F 9
9	32	Cup	156	3	23	8.88 F 2
2	9	Football	105	3	15	25.00 F 28
28	2	Golf Bag	150	3	5	99.00 F 4
4	28	Golf Balls	104	3	10	12.00 F 25
25	4	Golf Club	152	3	14	49.00 F 37
37	25	Golf Driver	130	3	3	99.00 F 27
27	37	Golf Glove	128	3	11	14.06 F 12
12	27	Golf Tees	125	3	60	2.00 F 26
26	12	Gym Bag	151	3	10	14.00 F 38
38	26	Knee Pads	103	3	4	8.00 F 18
18	38	Long Socks	153	3	34	9.99 F 14
14	18	Ping Pong Balls	154	3	10	3.00 F 34
34	14	Quiver	131	3	2	16.00 F 35
35	34	Racquet Balls	146	3	15	6.00 F 40
40	35	Shin Guards	137	3	5	48.05 F 5

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5		40		Soccer Ball		141		3		5		40.00		F		39	

39		5		Soccer Cleats		121		3		2		48.00		F		30	

30		39		Squash Balls		149		3		3		8.00		F		29	

29		30		Squash Racquet		119		3		2		80.00		F		11	

11		29		Teather Ball		155		3		4		14.00		F		3	

3		11		Tennis Balls		127		3		6		3.00		F		24	

24		3		Tennis Racquet		118		3		4		80.00		F		13	

13		24		Tennis Shoes		101		3		10		100.00		F		0	

Open Existing Files Hicks-Inventory.hf and Hicks-Inventory.nf - Header>3-> List

```
DA_DLLList <ListHeader, int>  
    Num ("Hicks-Inventory.hf", "Hicks-Inventory.nf");  
    Num.DisplayList (4, "\n\nHicks-Inventory->Header 4");
```

Hicks-Inventory->Header 4

```
=====
```

	Name	Manager	#	Total	Front	Rear
4	Ladie's Shoes	Myers	0	0.00	0	0

```
=====
```