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**Started on** Friday, 17 September 2021, 1:56 PM

**State** Finished

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**Completed on** Thursday, 23 September 2021, 10:50 AM

**Time taken** 5 days 20 hours

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**Marks** 600.00/620.00

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**Grade** **96.77** out of 100.00

Question 1

Correct

Mark 110.00 out of 110.00

Time limit

1 s

Memory limit

64 MB

Dengan memanfaatkan ADT Explicit Dynamic List yang telah Anda buat pada tugas pra-praktikum, buatlah sebuah program yang digunakan untuk membaca sebuah ListDin, misalnya L, dengan kapasitas awal Capacity (Capacity dibaca dari keyboard), lalu membaca elemen-elemen L dari keyboard sebanyak N. N harus bernilai  $0 \leq N \leq \text{Capacity}(L)$ .

Program akan membaca sebuah bilangan Q. Lalu, program akan membaca Q buah bilangan op.

- Jika op = 1, program membaca num dan menambahkan num menjadi elemen terakhir list. Jika ternyata list sudah penuh, tampilkan tulisan "list sudah penuh".
- Jika op = 2, program membaca num dan memperbesar list, bertambah sebesar num.
- Jika op = 3, program membaca num dan mengecilkan list, berkurang sebesar num. Jika ternyata ukuran list kurang dari num, tuliskan "list terlalu kecil".
- Jika op = 4, ubah kapasitas list menjadi sama dengan nEff list (compact).

Untuk tiap tuple, jika operasi yang dilakukan berhasil, tuliskan kapasitas list (Capacity) dan isi list (dengan displayList).

Dipersilakan membuat fungsi/prosedur tambahan dalam program ini jika perlu.

Kumpulkan file bernama **mlistdin.c** dan **listdin.c** (yang sudah dibuat pada pra praktikum) dalam file **mlistdin.zip**

Input	Output	Keterangan
6 5 1 2 3 4 5 4 2 5 1 6 3 4 4	11 [1,2,3,4,5] 11 [1,2,3,4,5,6] 7 [1,2,3,4,5,6] 6 [1,2,3,4,5,6]	Capacity = 6, N = 5, L mula-mula = [1, 2, 3, 4, 5] Q = 4 1. Ukuran list bertambah 5, menjadi 11 2. List ditambahkan elemen 6 3. Ukuran list berkurang 4, menjadi 7 4. List dipadatkan, ukuran list menjadi 6
3 3 4 5 6 4 1 5 3 1 3 3 2 1	list sudah penuh 2 [4,5] list terlalu kecil 3 [4,5]	Capacity = 3, N = 3, L mula-mula = [4, 5, 6] Q = 4 1. CAPACITY(L) = 3 dan nEff(L) = 3, jadi list tidak muat untuk ditambahkan elemen 2. Elemen terakhir list dihapus 3. CAPACITY(L) = 2, sehingga list terlalu kecil untuk dikurangi 3 elemen 4. Kapasitas list diperbesar menjadi 3

C

 [mlistdin.zip](#)

Score: 110

Blackbox

Score: 110

Verdict: Accepted

Evaluator: Exact

No	Score	Verdict	Description
1	10	Accepted	0.00 sec, 1.66 MB
2	10	Accepted	0.00 sec, 1.66 MB

No	Score	Verdict	Description
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4	10	Accepted	0.00 sec, 1.67 MB
5	10	Accepted	0.00 sec, 1.61 MB
6	10	Accepted	0.00 sec, 1.55 MB
7	10	Accepted	0.00 sec, 1.60 MB
8	10	Accepted	0.00 sec, 1.66 MB
9	10	Accepted	0.00 sec, 1.64 MB
10	10	Accepted	0.00 sec, 1.50 MB
11	10	Accepted	0.00 sec, 1.64 MB

Question **2**

Partially correct

Mark 490.00 out of 510.00

Time limit

1 s

Memory limit

64 MB

Downloadlah file header list dinamik implisit [listdinpos.h](#)

Submit **listdinpos.c**

C

 [listdinpos.c](#)

Score: 490

Blackbox

Score: 490

Verdict: Wrong answer

Evaluator: Exact

No	Score	Verdict	Description
1	10	Accepted	0.00 sec, 1.58 MB
2	10	Accepted	0.00 sec, 1.64 MB
3	10	Accepted	0.00 sec, 1.64 MB
4	10	Accepted	0.00 sec, 1.55 MB
5	10	Accepted	0.00 sec, 1.50 MB
6	10	Accepted	0.00 sec, 1.55 MB
7	10	Accepted	0.00 sec, 1.68 MB
8	10	Accepted	0.00 sec, 1.56 MB
9	10	Accepted	0.00 sec, 1.54 MB
10	10	Accepted	0.00 sec, 1.50 MB
11	10	Accepted	0.00 sec, 1.67 MB
12	10	Accepted	0.00 sec, 1.57 MB
13	10	Accepted	0.00 sec, 1.61 MB
14	10	Accepted	0.00 sec, 1.64 MB
15	10	Accepted	0.00 sec, 1.59 MB
16	10	Accepted	0.00 sec, 1.65 MB
17	10	Accepted	0.00 sec, 1.58 MB
18	10	Accepted	0.00 sec, 1.50 MB
19	10	Accepted	0.00 sec, 1.58 MB
20	10	Accepted	0.00 sec, 1.73 MB
21	10	Accepted	0.00 sec, 1.67 MB
22	10	Accepted	0.00 sec, 1.71 MB
23	10	Accepted	0.00 sec, 1.55 MB

24	0	Wrong answer	0.00 sec, 1.57 MB
No	Score	Verdict	Description

25	0	Wrong answer	0.00 sec, 1.64 MB
26	10	Accepted	0.00 sec, 1.50 MB
27	10	Accepted	0.00 sec, 1.55 MB
28	10	Accepted	0.00 sec, 1.51 MB
29	10	Accepted	0.00 sec, 1.73 MB
30	10	Accepted	0.00 sec, 1.72 MB
31	10	Accepted	0.00 sec, 1.65 MB
32	10	Accepted	0.00 sec, 1.61 MB
33	10	Accepted	0.00 sec, 1.59 MB
34	10	Accepted	0.00 sec, 1.56 MB
35	10	Accepted	0.00 sec, 1.71 MB
36	10	Accepted	0.00 sec, 1.57 MB
37	10	Accepted	0.00 sec, 1.68 MB
38	10	Accepted	0.00 sec, 1.60 MB
39	10	Accepted	0.00 sec, 1.52 MB
40	10	Accepted	0.00 sec, 1.68 MB
41	10	Accepted	0.00 sec, 1.61 MB
42	10	Accepted	0.00 sec, 1.63 MB
43	10	Accepted	0.00 sec, 1.64 MB
44	10	Accepted	0.00 sec, 1.63 MB
45	10	Accepted	0.00 sec, 1.64 MB
46	10	Accepted	0.00 sec, 1.63 MB
47	10	Accepted	0.00 sec, 1.65 MB
48	10	Accepted	0.00 sec, 1.64 MB
49	10	Accepted	0.00 sec, 1.55 MB
50	10	Accepted	0.00 sec, 1.73 MB
51	10	Accepted	0.00 sec, 1.73 MB

[listdinpos.h](#)

Jump to...

[matrix.h](#)