



Example:

Input:

9

-2 1 -3 4 -1 2 1 -5 4

Output: 6

Explanation: [4,-1,2,1] has the largest sum = 6.

For example:

| Test | Input                      | Result |
|------|----------------------------|--------|
| 1    | 9<br>-2 1 -3 4 -1 2 1 -5 4 | 6      |

Answer: (penalty regime: 10, 20, ... %)

Language 

c

1

#include<stdio.h>

2

#include<stdlib.h>

3

int largestSum(int \*arr, int n) {

4

int i, j, k, largest = 0, sum;

5

for(i=0;i<n;i++) {

6

if(arr[i] > largest)

7

largest = arr[i];

8

}

9

for(k=2;k<n+1;k++) {

10

for(i=0;i<n-k+1;i++)

11

{

12

sum=0;

13

for(j = i; j < i+k; j++)

14

sum = sum + arr[j];

15

if(sum > largest)

16

largest = sum;

17

}

18

}

19

return largest;

20

}

21

int main() {

22

int n, i, \*arr, largest;

23

scanf("%d",&n);

24

arr = (int \*) malloc (n \* sizeof(int));

25

for (i = 0; i < n; i++)

26

scanf("%d", &arr[i]);

27

largest = largestSum(arr, n);

28

printf("%d", largest);

29

return 0;

30

}

|   | Test | Input                      | Expected | Got |   |
|---|------|----------------------------|----------|-----|---|
| ✓ | 1    | 9<br>-2 1 -3 4 -1 2 1 -5 4 | 6        | 6   | ✓ |
| ✓ | 2    | 9<br>1 2 3 4 5 6 1 2 3     | 27       | 27  | ✓ |
| ✓ | 3    | 6<br>-10 -2 -3 1 -100 -2   | 1        | 1   | ✓ |

Passed all tests! ✓

Correct

Marks for this submission: 10.00/10.00.

Correct

Mark 7.00 out of 10.00

If there are duplicates in `arr`, count them separately.

Example 1:

**Input:**  
3  
1 2 3

**Output:** 2

**Explanation:** 1 and 2 are counted cause 2 and 3 are in arr.

Example 2:

**Input:**  
8  
1 1 3 3 5 5 7 7

**Output:** 0

**Explanation:** No numbers are counted, cause there's no 2, 4, 6, or 8 in arr.

Example 3:

**Input:**  
6  
1 3 2 3 5 0

**Output:** 3

**Explanation:** 0, 1 and 2 are counted cause 1, 2 and 3 are in arr.

Example 4:

**Input:**  
4  
1 1 2 2

**Output:** 2

**Explanation:** Two 1s are counted cause 2 is in arr.

Answer: (penalty regime: 10, 20, ... %)

Language 

c ▾

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 int count(int *arr, int n) {
4     int cnt = 0, i, j;
5     for (i = 0; i < n; i++) {
6         for (j = 0; j < n; j++) {
7             if (arr[i]+1 == arr[j]) {
8                 cnt++;
9                 break;
10            }
11        }
12    }
13    return cnt;
14 }
15 int main() {
16     int n, i, *arr, cnt;
17     scanf("%d",&n);
18     arr = (int *) malloc (n * sizeof(int));
19     for (i = 0; i < n; i++)
20         scanf("%d", &arr[i]);
21     cnt = count(arr, n);
22     printf("%d",cnt);
23     return 0;
24 }
```

|   | Test | Input                | Expected | Got |   |
|---|------|----------------------|----------|-----|---|
| ✓ | 1    | 3<br>1 2 3           | 2        | 2   | ✓ |
| ✓ | 2    | 8<br>1 1 3 3 5 5 7 7 | 0        | 0   | ✓ |
| ✓ | 3    | 6<br>1 3 2 3 5 0     | 3        | 3   | ✓ |
| ✓ | 4    | 4<br>1 1 2 2         | 2        | 2   | ✓ |

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Question 3

Correct

Mark 0.90 out of 1.00

Correct

Marks for this submission: 10.00/10.00. Accounting for previous tries, this gives 7.00/10.00.

Given an array `nums`, write a function to move all `0`'s to the end of it while maintaining the relative order of the non-zero elements.

Example:

Input:

5

0 1 0 3 12

Output: 1 3 12 0 0

For example:

| Test | Input           | Result     |
|------|-----------------|------------|
| 1    | 5<br>0 1 0 3 12 | 1 3 12 0 0 |

Answer: (penalty regime: 10, 20, ... %)

Language 

c

1

#include<stdio.h>

2

#include<stdlib.h>

3

int\* move0s(int \*arr, int n) {

4

int cnt = 0, i, \*arr1;

5

arr1 = (int \*) malloc (n \* sizeof(int));

6

for (i = 0; i < n; i++) {

7

if (arr[i]!=0){

8

arr1[cnt++] = arr[i];

9

}

10

}

11

while (cnt < n) {

12

arr1[cnt++] = 0;

13

}

14

return arr1;

15

}

16

int main() {

17

int n, i, \*arr;

18

scanf("%d",&n);

19

arr = (int \*) malloc (n \* sizeof(int));

20

for (i = 0; i < n; i++)

21

scanf("%d", &arr[i]);

22

arr = move0s(arr, n);

23

for (i = 0; i < n; i++)

24

printf("%d ", arr[i]);

25

return 0;

26

}

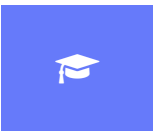
|   | Test | Input            | Expected    | Got         |   |
|---|------|------------------|-------------|-------------|---|
| ✓ | 1    | 5<br>0 1 0 3 12  | 1 3 12 0 0  | 1 3 12 0 0  | ✓ |
| ✓ | 2    | 4<br>1 2 3 4     | 1 2 3 4     | 1 2 3 4     | ✓ |
| ✓ | 3    | 6<br>1 0 2 0 3 0 | 1 2 3 0 0 0 | 1 2 3 0 0 0 | ✓ |
| ✓ | 4    | 4<br>0 0 0 0     | 0 0 0 0     | 0 0 0 0     | ✓ |

Passed all tests! ✓

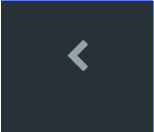
Correct

Marks for this submission: 1.00/1.00. Accounting for previous tries, this gives 0.90/1.00.

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