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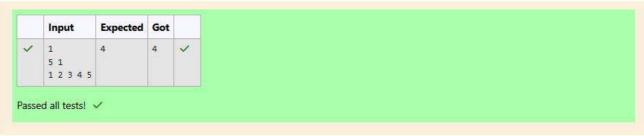
# GE23131-Programming Using C-2024





240701056 INEXT line contains  ${\bf N}$  space separated integers denoting the elements of array Output: For every test case print your answer in new line SAMPLE INPUT 1 5 1 12345 SAMPLE OUTPUT Explanation M is 1 and N is 5 so you have to calculate maximum and minimum sum using (5-1 =) 4 elements. Maximum sum using the 4 elements would be (2+3+4+5=)14. Minimum sum using the 4 elements would be (1+2+3+4=)10. Difference will be 14-10=4.

```
#include<stdio.h>
     int main()
 2
 3 v
     {
         int t;
scanf("%d",&t);
 4
 5
         while(t--)
 6
 7
             int n, m, min, d, temp;
scanf("%d %d",&n,&m);
 8
 9
              d = n - m;
10
              int arr[n];
11
              for( int i = 0; i < n; i++)
12
13
              {
14
                  scanf("%d",&arr[i]);
15
              for(int j = 0; j < n; j++)
16
17
18
                  min = j;
                   for(int k = j; k < n; k++)
19
20
21
                       if(arr[k] < arr[min])</pre>
22
                       min = k;
23
                  temp = arr[min];
arr[min] = arr[j];
arr[j] = temp;
24
25
26
27
28
              int maxsum = 0,minsum = 0;
              for(int a = 0; a < d; a++)
29
30
              minsum += arr[a];
31
              for(int b = n-1; b > m - 1; b--)
              maxsum += arr[b];
printf("%d\n",maxsum-minsum);
32
33
34
35
```



Question 2
Correct
Marked out of 1.00
F Flag question

A new deadly virus has infected large population of a planet. A brilliant scientist has discovered a new strain of virus which can cure this disease. Vaccine produced from this virus has various strength depending on midichlorians count. A person is cured only if midichlorians count in vaccine batch is more than midichlorians count of person. A doctor receives a new set of report which contains midichlorians count of each infected patient, Practo stores all vaccine doctor has and their midichlorians count. You need to determine if doctor can save all patients with the vaccines he has. The number of vaccines and patients are equal.

#### **Input Format**

First line contains the number of vaccines - N. Second line contains N integers, which are strength of vaccines. Third line contains N integers, which are midichlorians count of patients.

#### **Output Format**

Print a single line containing 'Yes' or 'No'.

#### Input Constraint

```
1 < N < 10
```

Strength of vaccines and midichlorians count of patients fit in integer.

### SAMPLE INPUT

5 123 146 454 542 456 100 328 248 689 200

#### SAMPLE OUTPUT

No

Answer: (penalty regime: 0 %)

```
for(int i = 0; i < n; i++)
11
12 v
               scanf("%d",&pat[i]);
13
14
          for(int j = 0; j < n- 1;j++)
15
16
              min1 = j,min2 = j;
for(int k = j;k < n; k++)
17
18
19
20
                    if(vac[k] < vac[min1])</pre>
                   min1 = k;
if(pat[k] < pat[min2])
21
22
23
                   min1 = k;
24
              temp = vac[min1];
vac[min1] = vac[j];
vac[j] = temp;
temp = pat[min2];
25
26
27
28
              pat[min2] = pat[min2];
pat[j] = temp;
29
30
31
          for(int i = 0; i < n; i++)
32
33
34
               if(vac[i] <= pat[i])</pre>
35 1
36
                   flag = 0;break;
37
              }
38
          if(flag == 1)
39
40
41
               printf("Yes");
42
43
          else
44
              printf("No");
45
46
47 }
```

Question **3**Correct
Marked out of 1.00

F Flag question

You are given an array of n integer numbers  $a_1, a_2, \ldots, a_n$ . Calculate the number of pair of indices (i, j) such that  $1 \le i < j \le n$  and  $a_i \times a_j = 0$ .

#### Input format

- First line:  ${\it n}$  denoting the number of array elements
- Second line: n space separated integers  ${\it a_1, a_2, \ldots, a_n}$

#### **Output format**

Output the required number of pairs.

#### Constraints

 $1 \le n \le 10^6$ 

240701056 1 ≤ a; ≤ 10°

#### SAMPLE INPUT

13143

#### SAMPLE OUTPUT

2

Explanation

The 2 pair of indices are (1, 3) and (2,5).

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()

int n, count =
scanf("%d" 0-1
                  int n, count = 0;
scanf("%d",&n);
int arr[n];
```

```
scanf("%d", &arr[i]);
10
        for(int i = 0; i < n-1; i++)
11
12
            for(int j = i+1; j<n; j++)</pre>
13
14
15
                if((arr[i] ^ arr[j]) == 0)
16
17
                    count++;
18
19
20
        printf("%d",count);
21
22 }
```

	Input	Expected	Got	
~	5 1 3 1 4 3	2	2	~

Passed all tests! <

Question 4
Correct
Marked out of 1,00

Flag question

Example:

You are given an array **A** of non-negative integers of size **m**. Your task is to sort the array in non-decreasing order and print out the original indices of the new sorted array.

```
5
45371
SAMPLE OUTPUT
42013
Answer: (penalty regime: 0 %)
       #include<stdio.h>
int main()
    3 + {
            int n;
scanf("%d", &n);
    4
    5
            int arr[n];
for(int i = 0;i < n;i++)</pre>
    6
    7
    8 4
                 scanf("%d", &arr[i]);
    9
   10
            int max = arr[0];
for(int i = 1; i < n; i++)
   11
   12
   13 v
                if(arr[i] > max)
max = arr[i];
   14
   15
   16
   17
            max++;
            int min = 0;
   18
   19
            for(int a = 0; a<n;a++)
   20
                 for(int b = 0; b<n; b++)
   21
   22
                     if(arr[b] < arr[min])</pre>
```

Finish review