

Section: Week-08-Sorting Algo x +

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REC-CIS MANISHA M 2024-CSE M2

## Week-08-Sorting Algorithms-Bubble and Selection

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**Coding**

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Done



119 PM 1/17/2025

hp

# gramming Using C-2024

Attempts allowed: 3

This quiz has been configured so that students may only attempt it using the Safe Exam Browser.

Time limit: 1 hour 30 mins

Grading method: Highest grade

## Your attempts

### Attempt 1

**Status** Finished

**Started** Thursday, 16 January 2025, 11:18 PM

**Completed** Friday, 17 January 2025, 12:02 AM

**Duration** 44 mins 55 secs

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IN



Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int t;
5     scanf("%d",&t);
6     while(t--)
7     {
8         int n,m,d,min,temp;
9         scanf("%d %d",&n,&m);
10        d=n-m;
11        int arr[n];
12        for(int i=0;i<n;i++)
13        {
14            scanf("%d",&arr[i]);
15        }
16        for(int j=0;j<n;j++)
17        {
18            min=j;
19            for(int k=j;k<n;k++)
20            {
21                if(arr[k]<arr[min])
22                    min=k;
23            }
24            temp=arr[min];
25            arr[min]=arr[j];
26            arr[j]=temp;
27        }
28    }
29    int maxsum=0,minsum=0;
30    for(int a=0;a<d;a++)
31    {
32        minsum+=arr[a];
33        for(int b=n-1,b>m-1;b--)
34        {
35            maxsum+=arr[b];
36        }
37    }
38 }
```

Input	Expected	Got
✓ 1 4 , 4 ✓ 5 1 1 2 3 4 5		

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,min1,min2,temp,flag=1;
5     scanf("%d",&n);
6     int vac[n],pat[n];
7     for(int i=0;i<n;i++)
8         scanf("%d",&vac[i]);
9     for(int i=0;i<n;i++)
10        scanf("%d",&pat[i]);
11    for(int j=0;j<n-1;j++)
12    {
13        min1=j,min2=j;
14        for(int k=j;k<n;k++)
15        {
16            if(vac[k]<vac[min1])
17                min1=k;
18            if(pat[k]<pat[min2])
19                min2=k;
20        }
21        temp=vac[min1];
22        vac[min1]=vac[j];
23        vac[j]=temp;
24
25        temp=pat[min2];
26        pat[min2]=pat[j];
27        pat[j]=temp;
28    }
29    for(int i=0;i<n;i++)
30    {
31        if(vac[i]<=pat[i])
32        {
33            flag=0;
34            break;
35        }
36    }
37
38    if(flag==1)
39        printf("Yes");
40    else
41        printf("No");
42 }
```

```
32 }  
33     flag=0;  
34     break;  
35 }  
36 }  
37 if(flag==1)  
38 printf("Yes");  
39 else  
40 printf("No");  
41  
42  
43  
44  
45  
46  
47  
48  
49 }|
```

	Input	Expected	Got	
✓	5 123 146 454 542 456 100 328 248 689 200	No	No ✓	

Passed all tests! ✓

**Question 3**

Correct

Marked out of

0

You are given an array of  $n$  integer numbers  $a_1, a_2, \dots, a_n$ . Calculate the number of pair of indices  $(i, j)$  such that  $1 \leq i < j \leq n$  and  $a_i \text{ xor } a_j = 0$ .

**Input format**

**Answer:** (penalty regime: 0 %)

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

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

Passed all tests! ✓