

Coding: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=134548&cmid=187

REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n;
5     scanf("%d",&n);
6     int arr[n];
7     for(int i=0;i<n;i++)
8         scanf("%d",&arr[i]);
9     int max=arr[0];
10    for(int i=1;i<n;i++)
11    {
12        if(arr[i]>max)
13            max=arr[i];
14    }
15    max++;
16    int min=0;
17    for(int a=0;a<n;a++)
18    {
19        for(int b=0;b<n;b++)
20        {
21            if(arr[b]<arr[min])
22                min=b;
23        }
24        printf("%d ",min);
25        arr[min]=max;
26    }
27 }
```

	Input	Expected	Got	
✓	5	4 2 0 1 3	4 2 0 1 3	✓

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REC-CIS

Answer: (penalty regime: 0 %)

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

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

Passed all tests! ✓

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```
23     vac[j]=temp;
24     temp=pat[b];
25     pat[b]=pat[j];
26     pat[j]=temp;
27 }
28 for(int i=0;i<n;i++)
29 {
30     if(vac[i]<=pat[i])
31     {
32         flag=0;
33         break;
34     }
35     if(flag==1)
36         printf("Yes");
37     else
38         printf("No");
39 }
```

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

Passed all tests! ✓

Question 3
Correct

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 $a_i \text{ xor } a_j = 0$.

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REC-CIS

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,a,b,temp,flag;
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;j++)
12     {
13         a=j,b=j;
14         for(int k=j;k<n;k++)
15         {
16             if(vac[k]<vac[a])
17                 a=k;
18             if(pat[k]<pat[b])
19                 b=k;
20         }
21         temp=vac[a];
22         vac[a]=vac[j];
23         vac[j]=temp;
24         temp=pat[b];
25         pat[b]=pat[j];
26         pat[j]=temp;
27     }
28     for(int i=0;i<n;i++)
29     {
30         if(vac[i]<=pat[i])
31         {
32             flag=0;
33             break;
34         }
35     }
```

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```
26     int maxsum=0,minsum=0;
27     for(int a=0;a<d;a++)
28         minsum+=arr[a];
29     for(int b=n-1;b>m-1;b--)
30         maxsum+=arr[b];
31     printf("%d\n",maxsum-minsum);
32 }
33 }
```

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

Passed all tests! ✓

Question 2
Correct
Marked out of 1.00
[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

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REC-CIS

Answer: (penalty regime: 0 %)

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

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```
30 for(int p=2;p<=N;p++){
31     if(isprime(p)&& isprime(N-p)){
32         return true;
33     }
34 }
35 return false;
36 }
37 int main(){
38     int T;
39     scanf("%d",&T);
40     generate_prime();
41     for(int t=0;t<T;t++){
42         int N;
43         scanf("%d",&N);
44         if(two_prime(N)){
45             printf("yes\n");
46         }
47         else{
48             printf("no\n");
49         }
50     }
51 }
```

	Input	Expected	Got	
✓	5	yes	yes	✓
	20	yes	yes	
	12	no	no	
	23	yes	yes	
	34	yes	yes	
	16			

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REC-CIS

```
1 #include<stdio.h>
2 int gcd(int a,int b){
3     while(b!=0){
4         int temp=b;
5         b=a%b;
6         a=temp;
7     }
8     return a;
9 }
10 int euler(int n){
11     int c=0;
12     for(int i=1;i<=n;i++){
13         if(gcd(i,n)==1){
14             c++;
15         }
16     }
17     return c;
18 }
19 int main(){
20     int n;
21     scanf("%d",&n);
22     printf("%d\n",euler(n));
23 }
```

	Input	Expected	Got	
✓	10	4	4	✓
✓	23	22	22	✓
✓	11	10	10	✓

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