



## Code, Compile & Run





Ide **x** +

Contest Code/Name (e.g. JULY15/PRACTICE)


Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3) ▾   Code gets autosaved every second

```
1 #include<stdio.h>
2 #include<math.h>
3 int isperfectsquare(int number)
4 {
5     int iVar;
6     float fVar;
7     fVar=sqrt((double)number);
8     iVar=fVar;
9     if(iVar==fVar)
10     return number;
11     else
12     return 0;
13 }
14 int main()
15 {
16     int n;
17     scanf("%d",&n);
18     int arr[n];
19     int i;
20     for(i=0;i<n;i++)
21     {
22         scanf("%d",&arr[i]);
23     }
24     int sum=0;
25     for(i=0;i<n;i++)
26     {
27         sum=sum+isperfectsquare(arr[i]);
28     }
```

0:0 


Open File

✓ Custom Input

Run

Custom Input

4  
1 4 9 16

Status Successfully executed Date 2020-06-10 06:27:20 Time 0 sec Mem 9.424 kB 

Input

4  
1 4 9 16

Output

30



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Ide ✕ +

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```
7 fVar=sqrt((double)number);
8 iVar=fVar;
9 if(iVar==fVar)
10 return number;
11 else
12 return 0;
13 }
14 int main()
15 {
16 int n;
17 scanf("%d",&n);
18 int arr[n];
19 int i;
20 for(i=0;i<n;i++)
21 {
22 scanf("%d",&arr[i]);
23 }
24 int sum=0;
25 for(i=0;i<n;i++)
26 {
27 sum=sum+isperfectsquare(arr[i]);
28 }
29 printf("%d",sum);
30 return 0;
31 }
32
33
34
```

0:0 

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☒ Custom Input

Run

Custom Input

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### i) Algorithm

- step 1 : start
- step 2 : Input the number of elements of the array
- step 3 : Input the array elements
- step 4 : Initialize  $sum = 0$
- step 5 : check if the array element is a perfect square
- step 6 : If it is a perfect square,  $sum = sum + num$ .
- step 7 : Return sum .
- step 8 : stop .

(ii) Flowchart

