CodeChef User | CodeChef   ⟳   [Ads]

CODECHEF
An Educational Initiative

Hello **pushpitha2001** ▾   [8+] [O] [f]   Logout
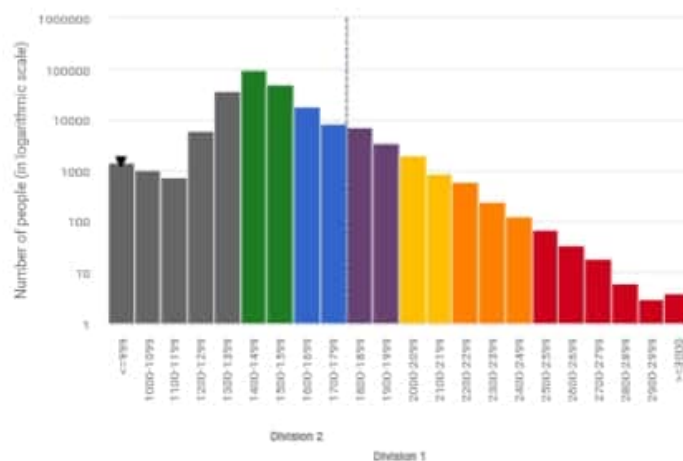
▸ PRACTICE   ▸ COMPETE   ▸ DISCUSS   ▸ COMMUNITY   ▸ HELP   ▸ ABOUT

Home » Pushpitha P

Pushpitha P   ✎ f 👥

Username:	pushpitha2001
Country:	🇮🇳 India
State:	Karnataka
City:	Mysuru
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Pushpitha P
Team Invites:	Click here to check team invites. 🔄

Rating Graphs

CodeChef	Long Challenge	Cook Off	Lunch Time

No Participation

(Rating graph, Year axis 2011–2017)

CodeChef Rating Distribution

Number of people (in logarithmic scale)

Division 2
Division 1

0
⭐

CodeChef Rating
(Highest Rating 0)

NA | **NA**
Global Rank | Country Rank

Contests	Rating	Global Rank	Country Rank
Long Challenge	0	NA	NA
Cook-off	0	NA	NA
Lunch Time	0	NA	NA

Recent Activity

Date/Time	Problem	Result	Lang
	No Recent Activity		

Code, Compile & Run | CodeC... C   Ads

CODECHEF
An Educational Initiative

▸ PRACTICE ▸ COMPETE ▸ DISCUSS | ▸ COMMUNITY ▸ HELP ▸ ABOUT

Home ▸ IDE

Code, Compile & Run

Ide ✕ +

C++14 (gcc 6.3) ▼   ⓘ ⬇ ↗ ⚙

```
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      }
29      printf("%d",sum);
```

11:13   ↻

Open File   ✓ Custom Input   Run

Custom Input
```
4
1 4 9 16
```

Status Successfully executed   Date 2020-06-10 06:12:54   Time 0 sec   Mem 15.232 kB   ✕

Input
```
4
1 4 9 16
```

Output
```
30
```

CODECHEF
An Educational Initiative

▸ PRACTICE ▸ COMPETE ▸ DISCUSS ▸ COMMUNITY ▸ HELP ▸ ABOUT

Home › IDE

Code, Compile & Run

Ide ✕ +

C++14 (gcc 6.3) ▾   ⓘ ⤓ ⤢ ⚙

```
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       }
29       printf("%d",sum);
30       return 0;
31   }
```

11:13   ↻

Open File   ✓ Custom Input   Run

Custom Input
```
4
1 4 9 16
```

Status Successfully executed   Date 2020-06-10 06:12:54   Time 0 sec   Mem 15.232 kB   ✕

Input
```
4
1 4 9 16
```

Output
```
30
```

PUSHPITHA·P   F·SECTION   4AL19CS072.

Algorithm of a c program to find sum of positive square elements

Step 1 :- Start

Step 2 :- Input the number of elements of the array

Step 3 :- input the array elements

Step 4 :- initalize 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.

Flowchart

```
                    ┌─────────┐
                    │  Start  │
                    └─────────┘
                         │
                         ▼
            ┌──────────────────────────┐
            │  Assign Sum = 0 and       │
            │        i = 0              │
            └──────────────────────────┘
                         │
                         ▼
            ╱──────────────────────────╱
           ╱  Read limit of numbers    ╱
          ╱──────────────────────────╱
                         │
                         ▼
                   ╱─────────╲
                  ╱   i = n    ╲        True
          ───────╲  reached.   ╱──────────────┐
         │        ╲───────────╱               │
         │            │ false                 │
         │            ▼                        │
         │   ┌──────────────────┐             │
         │   │  Sum = Sum + 1   │             │
         └───│   i = i + 1      │             │
             └──────────────────┘             │
                         │◄──────────────────┘
                         ▼
            ╱──────────────────────────╱
           ╱       print sum           ╱
          ╱──────────────────────────╱
                         │
                         ▼
                    ┌─────────┐
                    │  Stop.  │
                    └─────────┘
```