



codechef.com/signup



prajna123



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☒ Female ☐ Male ☐ Other

undefined, Karnataka, India

☒ Student ☐ Professional ☐ Other

Alvas Institute of Engineering and



2020 ▼

C(gcc 6.3) ▼

☒ Send me newsletter & contest invitations.☒ I abide by [CodeChef's Code Of Conduct](#).

Register

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CodeChef was created as a platform



Hello prajna123



PRACTICE

COMPETE

DISCUSS

COMMUNITY

HELP

[Home](#) » Prajna S P

Prajna S P



Username: prajna123

Country: India

State: Karnataka

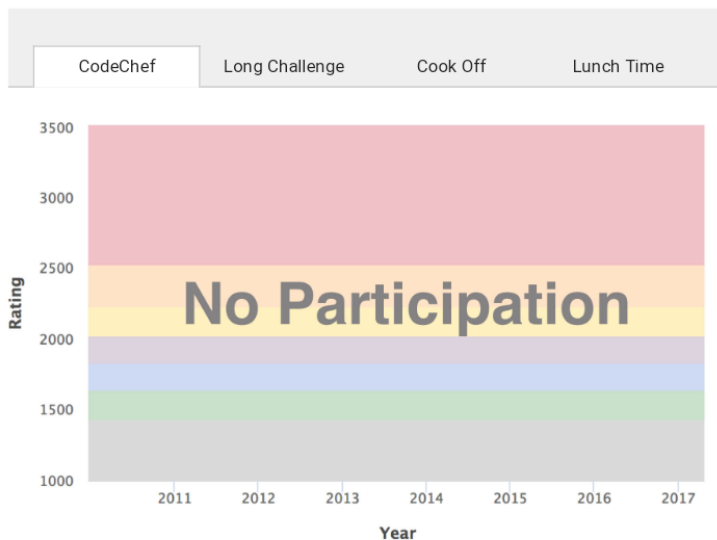
City: India

Student/Professional: Student

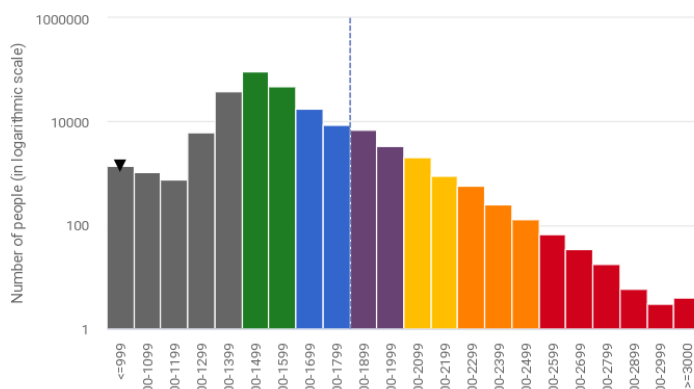
Institution: Alvas Institute of Engineering and Technology Karnataka, India

Teams List: List of [teams](#) by Prajna S PTeam Invites: Click [here](#) to check team invites. **0**

Rating Graphs



CodeChef Rating Distribution



0

CodeChef Rating
(Highest Rating 0)

NA

Global Rank

NA

Country Rank

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

Recent Activity

Date/Time	Problem	Result
No Recent Activity		

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 auto-saved every second



```
1 #include <stdio.h>
2 int main()
3 {
4     int a,b,c,d,x,y,i,gcd;
5     printf("\nEnter the numerator for 1st number:");
6     scanf("%d",&a);
7     printf("\nEnter the denominator for 1st number:");
8     scanf("%d",&b);
9     printf("\nEnter the numerator for 2nd number:");
10    scanf("%d",&c);
11    printf("\nEnter the denominator for 2nd number:");
12    scanf("%d",&d);
13    x=(a*d)+(b*c);
14    y=b*d;
15    for(i=1;i<=x && i<=y;++i)
16    {
17        if(x%i==0 && y%i==0)
18            gcd=i;
19    }
20    printf("\nThe added fraction is %d/%d",x/gcd,y/gcd);
21    printf("\n");
22    return 0;
23 }
```

0:0



Open File

✓ Custom Input

Run

Custom Input

```
1
2
3
2
```

Status Successfully executed Date 2020-06-02 12:47:01 Time 0 sec Mem 9.424 kB



Input

```
1
2
3
2
```

Output

```
Enter the numerator for 1st number:
Enter the denominator for 1st number:
Enter the numerator for 2nd number:
Enter the denominator for 2nd number:
The added fraction is 2/1
```

Program to add two fractions

* Algorithm

1. Start

2. Read the Value of numerator₁, denominator₁, numerator₂, denominator₂.

3. $x = (\text{numerator}_1 * \text{denominator}_2) + (\text{denominator}_1 * \text{numerator}_2)$

4. $y = (\text{denominator}_1 * \text{denominator}_2)$

5. for ($c=1$; $c \leq x$ & $c \leq y$; $c++$)
if this condition fails, go to step 1.

5.1 If ($x \% c == 0$ & $y \% c == 0$)
if this condition fails, go to step 5

5.2 $\text{gcd} = c$

6. Repeat the step 5 until the condition fails

7. Print "The added fraction is" and display the two values of
condition x/gcd , y/gcd

8. Stop.

Flow chart:

