

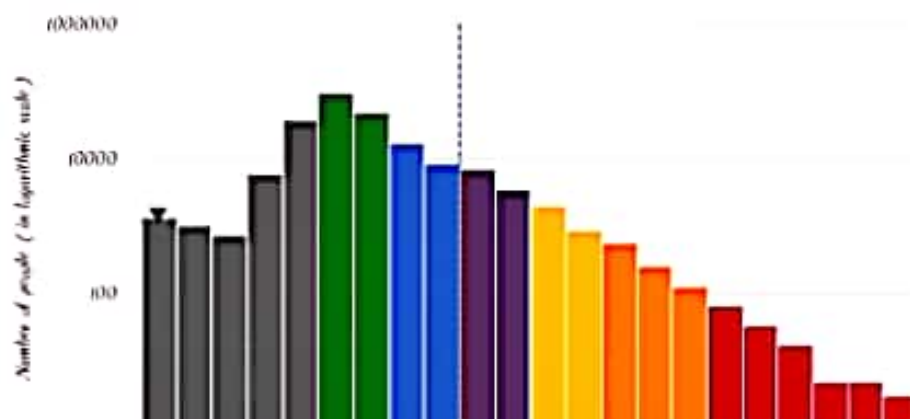
[Home](#) ► [Rakshith K](#)**Rakshith K**

Username:	rakshith_11
Country:	India
State:	Karnataka
City:	Trichangur
Student/Professional:	Student
Institution:	Aksh Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Rakshith K
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Rating Graphs



CodeChef Rating Distribution





Jha, rakesh1111



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PRACTICE COMPETE DISCUSS COMMUNITY HELP ABOUT

IDE > J0E

Code, Compile & Run

Jha, rakesh1111

Context Code/Name (e.g., J0E15/PRACTICE)

Problem Code/Name (e.g., TEST)

Select

C++14 (gcc 6.3)



Code gets automatic saving run and



```

1 #include <stdio.h>
2 int main()
3 {
4     //for initialize variables
5     int numerator1, denominator1, numerator2, denominator2, x, y, c, gcd_no;
6     //To take user input of numerators and denominators
7     printf("\nEnter the numerator for 1st number : ");
8     scanf("%d", &numerator1);
9     printf("\nEnter the denominator for 1st number : ");
10    scanf("%d", &denominator1);
11    printf("\nEnter the numerator for 2nd number : ");
12    scanf("%d", &numerator2);
13    printf("\nEnter the denominator for 2nd number : ");
14    scanf("%d", &denominator2);
15    //numerator
16    x=(numerator1*denominator2)+(denominator1*numerator2);
17    //denominator
18    y=denominator1*denominator2;
19    // Trick part. Reduce it to the simplest form by using gcd.
20    for(c=1; c <= x && c <= y; ++c)
21    {
22        if(x%c==0 && y%c==0)
23            gcd_no = c;
24    }
25    //To display fraction of given numerators and denominators
26    printf("\nThe added fraction is %d/%d ", x/gcd_no, y/gcd_no);
27    printf("\n");
28    return 0;

```

J0E:1



Open file

✓ Custom Input

Run

Custom Input

```

5
3
7
2

```

Status Successfully executed Date 2020-06-02 14:05:40 Time 0 sec Mem 15.232 kB



Input

```

5
3
7
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 31/6

```

Program to add two fractions

Algorithm:

- 1) Start
- 2) Read the value of numerator1, denominator1, numerator2, denominator2.
- 3) $x = (\text{numerator1} * \text{denominator2}) + (\text{denominator1} * \text{numerator2})$
- 4) $y = (\text{denominator1} * \text{denominator2})$
- 5) for ($c=1$; $c \leq x$ & $c \leq y$; $c++$), if this condition becomes false goto step 7
 - 5.1) if ($x \% c == 0$ & $y \% c == 0$). if this condition becomes false goto step 5.
 - 5.1.1) $\text{gcd} = c$.
- 6) Repeat the step 5 until the condition becomes false.
- 7) Print "The added function" and display the two value of the condition x/gcd , y/gcd .
- 8) Stop.

Flowchart :

