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☒ Female ☐ Male ☐ Other

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☒ Student ☐ Professional ☐ Other

Alvas Institute of Engineering & Technology ✓

2020 ▼

C(gcc 6.3) ▼

☒ Send me newsletter & contest invitations.

☒ I abide by [CodeChef's Code Of Conduct](#).

Register

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B.H. Rashmi


Username: rashmi_2001

 Country:  India

State: Karnataka

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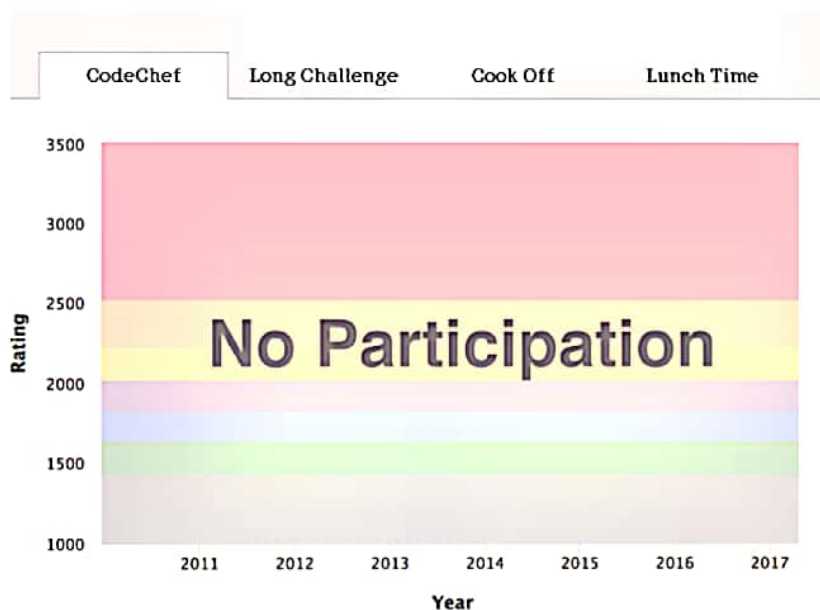
Student/Professional: Student

Institution: Alvas Institute of Engineering and Technology Karnataka, India

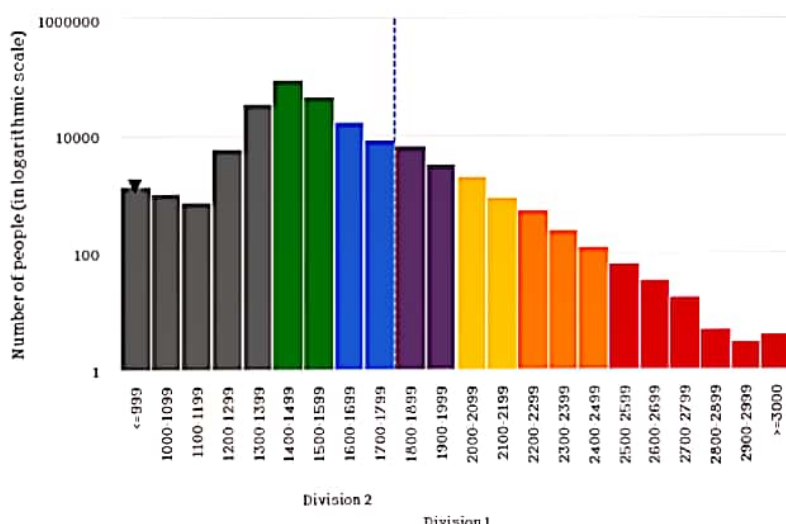
 Teams List: List of [teams](#) by B.H. Rashmi

 Team 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	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

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✕

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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 int main()
3 {
4     int i, j, rows, columns, a[10][10], Sum;
5     printf("Please Enter Number of rows and columns : ");
6     scanf("%d %d", &i, &j);
7     printf("Please Enter the Matrix Row and Column Elements \n");
8     for(rows = 0; rows < i; rows++)
9     {
10         for(columns = 0;
11            columns < j;
12            columns++)
13         {
14             scanf("%d", &a[rows][columns]);
15         }
16     }
17     for(rows = 0; rows < i; rows++)
18     {
19         Sum = 0;
20         for(columns = 0;
21            columns < j;
22            columns++)
23         {
24             Sum = Sum + a[rows][columns];
25         }
26         printf("The Sum of Elements of a Rows in a Matrix = %d \n", Sum );
27     }
28     return 0;

```

0.0

Open File

✓ Custom Input

Run

Custom Input

3 3
10 20 30
12 22 23
13 33 32

Status Successfully executed Date 2020-06-12 05:48:47 Time 0 sec Mem 9.424 kB ✕

Input

3 3
10 20 30
12 22 23
13 33 32

Output

Please Enter Number of rows and columns : Please Enter the Matrix Row and Column Elements
The Sum of Elements of a Rows in a Matrix = 60
The Sum of Elements of a Rows in a Matrix = 57
The Sum of Elements of a Rows in a Matrix = 78

C program to implement sum of each row and column in a matrix

Algorithm :-

- step 1 :- start
- step 2 :- Declare and initialize a two-dimensional array a.
- step 3 :- Calculate the number of rows & columns present in the array^a and store it in variables rows and columns respectively.
- step 4 :- Maintain two variables sumRow and sumCol to store the sum of elements in the specific row and the sum of elements in specific column respectively.
- step 5 :- To calculate the sum of elements in each row:
- Ⓐ Two loops will be used to traverse the array where the outer loop selects a row, and the inner loop represents the columns present in the matrix a.
 - Ⓑ Calculate the sum by adding elements present in a row.
 - Ⓒ Display sumRow
 - Ⓓ Repeat this for each row.
- step 6 :- To calculate the sum of elements in each column:
- Ⓐ Two loops will be used to traverse the array where the outer loop select a column, and the inner loop represents the rows present in the matrix a.

- ⑥ Calculate the sum by adding elements present in a column
- ⑦ Display sum col.
- ⑧ Repeat this for each column.

Flowchart:

