OR

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.....

Female Male Other

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Alvas Institute of Engineering &

2020

C(gcc 6.3)

Send me newsletter & contest invitations.

I abide by CodeChef's Code Of Conduct.

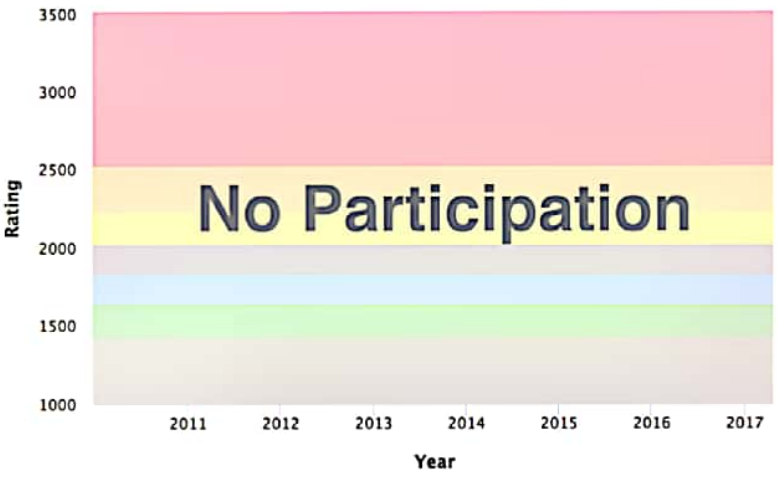
Register

B.H. Rashmi

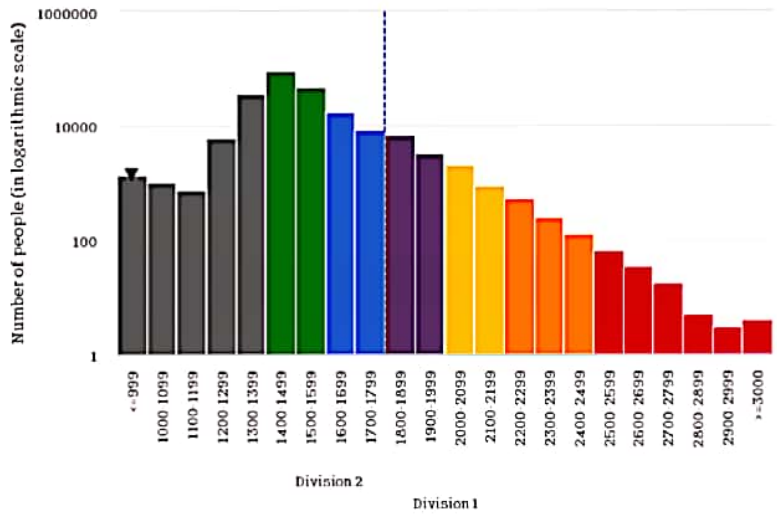
Username:	rashmi_2001
Country:	India
State:	Karnataka
City:	Siddapur
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by B.H. Rashmi
Team Invites:	Click here to check team invites. 0

Rating Graphs

CodeChef | Long Challenge | Cook Off | Lunch Time



CodeChef Rating Distribution



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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

Ide

C++14 (gcc 6.3)

```
#include <stdio.h>
intwemain()
    {

        static int array[10][10];
        int i, j, m, n, a = 0, sum = 0;

        printf("Enetr the order of the matix \n");
        scanf("%d %d", &m, &n);

        if (m == n )
        {

            printf("Enter the co-efficients of the matrix\n");
            for (i = 0; i < m; ++i)
            {
                for (j = 0; j < n; ++j)
                {
                    scanf("%d", &array[i][j]);
                }
            }

            printf("The given matrix is \n");
            for (i = 0; i < m; ++i)
            {
                for (j = 0; j < m; ++j)
                {
                    printf("%d", array[i][j]);
```

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Open File

Custom Input

Run

Custom Input

```
2 2
10 20
30 40
```

Status Successfully executed Date 2020-06-16 04:23:16 Time 0 sec Mem 15.232 kB

Input

```
2 2
10 20
30 40
```

Output

```
The given matrix is
10 20
30 40

The sum of the main diagonal elements is = 50
The sum of the off diagonal elements is   = 50
```

Code, Compile & Run

Ide

C++14 (gcc 6.3)

```
            }
        }

        printf("The given matrix is \n");
        for (i = 0; i < m; ++i)
        {
            for (j = 0; j < n; ++j)
            {
                printf(" %d", array[i][j]);
            }
            printf("\n");
        }

        for (i = 0; i < m; ++i)
        {
            sum = sum + array[i][i];
            a = a + array[i][m - i - 1];
        }

        printf("\nThe sum of the main diagonal elements is = %d\n", sum);
        printf("The sum of the off diagonal elements is   = %d\n", a);

    }

    else
        printf("The given order is not square matrix\n");

}
```

2 5

Open File

Custom Input

Run

Custom Input

```
2 2
10 20
30 40
```

Status Successfully executed Date 2020-06-16 04:23:16 Time 0 sec Mem 15.232 kB

Input

```
2 2
10 20
30 40
```

Output

```
The given matrix is
 10 20
 30 40

The sum of the main diagonal elements is = 50
The sum of the off diagonal elements is   = 50
```

B. H. Rashmi 4AL19CS018 F - Section

C program to implement sum of ~~program to~~ principal diagonal and secondary diagonal elements.

Algorithm :-

step 1 :- start

step 2 :- Input m, n, order

step 3 :- If (m == n)
Enter coefficients
for (i=0; i<m; ++i)
for (j=0; j<n; ++j)

step 4 :- array [i] [j];

step 5 :- for (i=0; i<m; ++i)

step 6 :- for (j=0; j<n; ++j)

step 7 :- Print "\n"

step 8 :- for (i=0; i<m; ++i)
sum = sum + array [i] [j];
a = a + array [i] [m-i-1];

step 9 :- Output main diagonal elements & off diagonal elements

step 10 :- else
output not a square matrix

step 11 :- stop

Flowchart :-