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Pushpitha P

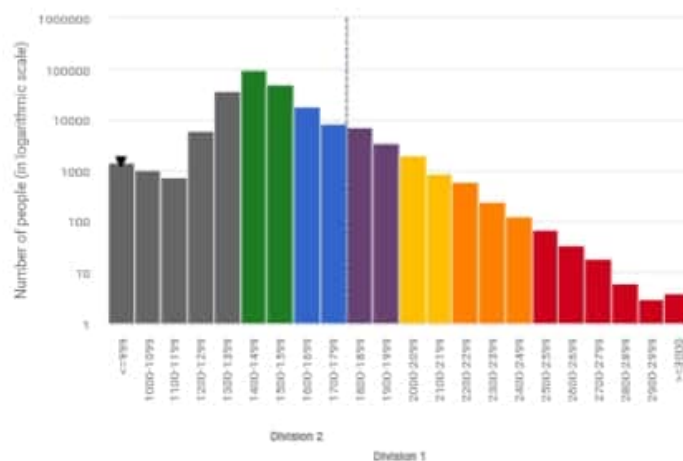


Username:	pushpitha2001
Country:	India
State:	Karnataka
City:	Mysuru
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Pushpitha P
Team Invites:	Click here to check team invites 0

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

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Date/Time	Problem	Result	Lang
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Rows: 4 / 40

Code, Compile & Run

File Edit View

C++14 (gcc 6.3)

```

1 #include <iostream.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; columns < j; columns++)
11         {
12             scanf("%d", &a[rows][columns]);
13         }
14     }
15     for(rows = 0; rows < i; rows++)
16     {
17         Sum = 0; for(columns = 0; columns < j; columns++)
18         {
19             Sum = Sum + a[rows][columns];
20         }
21         printf("The Sum of Elements of a Rows in a Matrix = %d\n", Sum);
22     }
23     return 0;
24 }

```

19/40

Open File

✓ Custom Input

Run

Custom Input

3 3

1 2 3

4 5 6

7 8 9

Status Successfully executed Date 2020-06-12 05:46:37 Time 0sec Mem 15.232 kB

Input

3 3

1 2 3

4 5 6

7 8 9

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 = 6
 The Sum of Elements of a Rows in a Matrix = 15
 The Sum of Elements of a Rows in a Matrix = 24

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Rows: 4 / 40

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19/40

Open File

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Run

Custom Input

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Algorithm

Step 1:- Start

Step 2:- Declare and initialize a two-dimensional array.

Step 3:- calculate the number of rows and columns present in the array a and store it in variables $rows$ and $cols$ 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

5.a 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 .

5.b. calculate the sum by adding elements present in a row

5.c. Display $sumrow$.

5.d. Repeat this for each row

Step 6:- To calculate the sum of elements in each column.

6.a:- 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.b. calculate the sum by adding elements. present in a column

6.c Display $sumcol$.

6.d Repeat this for each column.

Step 7:- Stop.

Flowchart