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Pushpitha P

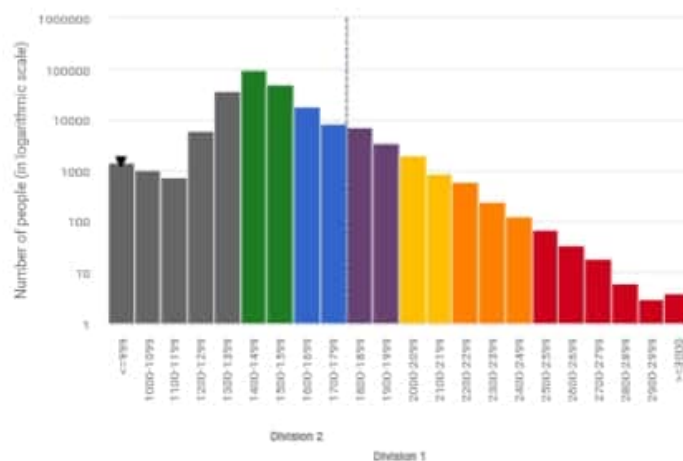


Username:	pushpitha2001
Country:	India
State:	Karnataka
City:	Mysuru
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Pushpitha P
Team Invites:	Click here to check team invites

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			



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ide × +

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 long int multiplyNumbers(int n);
3 int main() {
4     int n;
5     printf("Enter a positive integer: ");
6     scanf("%d",&n);
7     printf("Factorial of %d = %ld", n, multiplyNumbers(n));
8     return 0;
9 }
10
11 long int multiplyNumbers(int n) {
12     if (n==1)
13         return n*multiplyNumbers(n-1);
14     else
15         return 1;
16 }
```

151



Open File

✓ Custom Input

Run

Custom Input

6

Status Successfully executed

Date 2020-07-02 05:28:04

Time 0 sec

Mem 9.424 kB



Input

6

Output

Enter a positive integer: Factorial of 6 = 720

Factorial Algorithm

Step 1:- Start

Step 2:- Read number n

Step 3:- call factorial (n)

Step 4:- print factorial f .

Step 5:- Stop.

factorial (n)

Step 1:- If $n = 1$ then return 1

Step 2:- Else.

$$f = n * \text{factorial}(n-1)$$

Step 3:- Return f .

Flowchart