———— OR ————

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B.H. Rashmi ✔

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•••••••• ✔

⦿ Female ◯ Male ◯ Other

Siddapur, Karnataka, India

⦿ Student ◯ Professional ◯ Other

Alvas Institute of Engineering ✔

2020 ▾

C(gcc 6.3) ▾

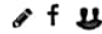☑ Send me newsletter & contest invitations.

☑ I abide by CodeChef's Code Of Conduct.

Register

P
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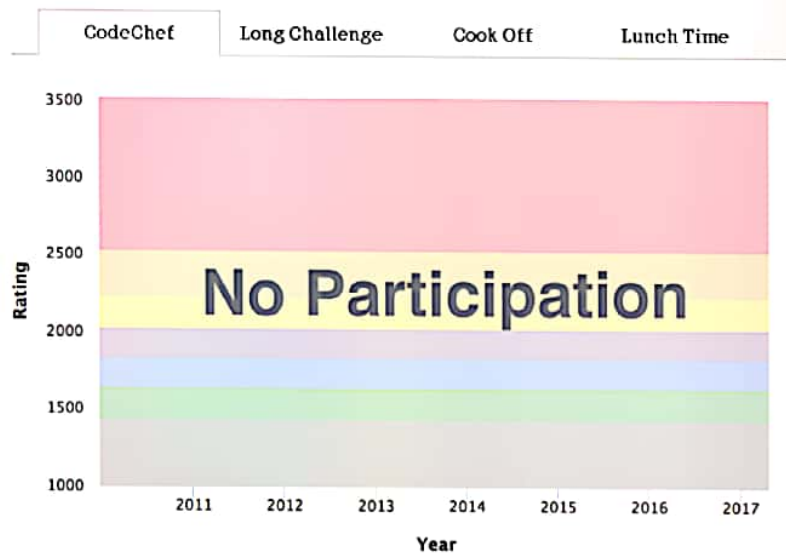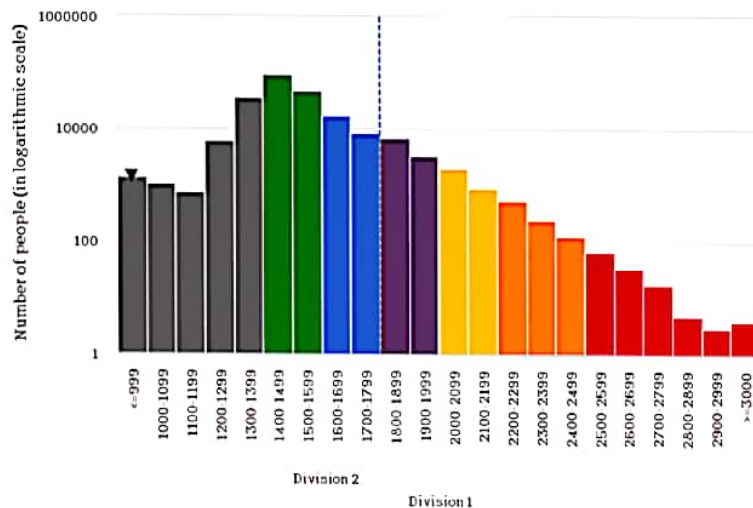Home » B.H. Rashmi

B.H. Rashmi ✎ f ♨

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

0

⭐

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

Contest Code/Name (e.g. JULY15/PRACTICE)	Problem Code/Name (e.g. TEST)	**Select**

C (gcc 6.3) ▾   🖫   🗑   Code gets autosaved every second   ⓘ   ⬇   ⤢   ⚙

```c
1  #include<studio.h>
2  int main()
3  {
4      int a, b,hcf, lcm,rem,num,deno;
5      printf("Enter two numbers\n");
6      scanf("%d\n%d",&a,&b);
7  printf("%d\n%d\n",a,b);
8  if(a>b)
9  {
10  num=a;
11  deno=b;
12  }
13  else
14  {
15  num=b;
16  deno=a;
17  }
18  rem=num%deno;
19  while(rem!=0)
20      {
21  num=deno;
22      deno=rem;
23      rem=num%deno;
24      }
25  hcf=deno;
26      lcm=(a*b)/hcf;
27      printf("hcf of %d and %d=%d\n",a,b,hcf);
28      printf("lcm of %d and %d=%d\n",a,b,lcm);
29  }
```

0:0   ↻

Open File		✓Custom Input	**Run**

Custom Input

```
8
20
```

Status Successfully executed   **Date** 2020-06-03 09:48:18   **Time** 0 sec   **Mem** 9.424 kB   ✕

Input
```
8
20
```

Output
```
Enter two numbers
8
20
hcf of 8 and 20=4
lcm of 8 and 20=40
```

B.H. Rashmi   4AL19CS018   F-Section

(i) Algorithm (To find HCF & LCM of two no.)

Step 1: start

Step 2: Display enter the two numbers

Step 3: Input a, b
 if (a>b)
  num = a
  deno = b
  else
  num = b
  deno = a

Step 4: rem = num % deno

Step 5: while (rem != 0)
  num = deno
  deno = rem
  rem = num % deno

Step6: hcf = deno

Step 7: lcm = (a*b) / hcf

Step 8: Display hcf of %d & %d = %d
  output a, b, hcf

Step 9: Display LCM of %d & %d = %d
  output a, b, lcm

Step 10: stop.

Flowchart:

```
                         ( Start )
                            |
                            v
        / Display input two numbers /
        /    input a, b            /
                            |
        F                   v                   T
         <------------ < If (a>b) > ------------>
         |                                       |
         v                                       v
   +-------------+                        +-------------+
   | num = b     |                        | num = a     |
   | deno = a    |                        | deno = b    |
   +-------------+                        +-------------+
         |                                       |
         +------------------+--------------------+
                            v
                 +----------------------+
                 | rem = num % deno     |
                 +----------------------+
                            |
        F                   v                   T
         <----------- < while (rem!=0) > -------->
         |                                       |
         |                                       v
         |                           +----------------------+
         |                           | num = deno           |
         |                           | deno = rem           |
         |                           | rem = num % deno     |
         |                           +----------------------+
         |                                       |
         +------------------+--------------------+
                            v
                 +----------------------+
                 | hcf = deno           |
                 +----------------------+
                            |
                            v
                 +----------------------+
                 | lcm = (a*b) / hcf    |
                 +----------------------+
                            |
                            v
        / Display hcf of %d & %d = %d /
        /   output a, b, hcf         /
                            |
                            v
        / Display lcm of %d & %d = %d /
        /   output a, b, lcm         /
                            |
                            v
                         ( stop )
```