## Rakshith K

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|---|---|
| Username: | rakshith_11 |
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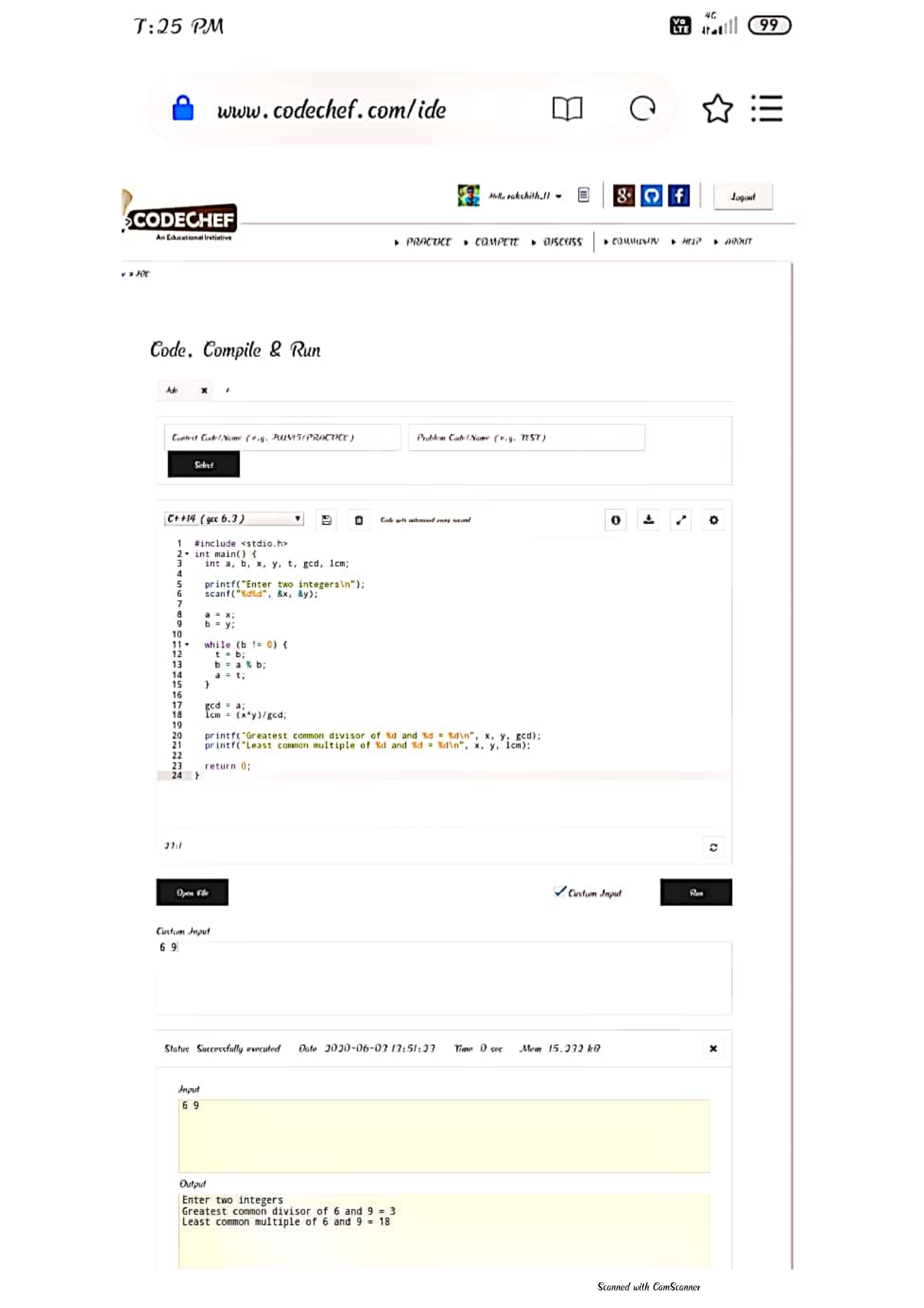
| Student/Professional: | Student |
| Institution: | Abas Institute of Engineering and Technology Karnataka, India |
| Teams List: | List of teams by Rakshith K |
| Team Invites: | Click here to check team invites. 0 |

## Rating Graphs

CodeChef | Long Challenge | Cook Off | Lunch Time


## CodeChef Rating Distribution


7:25 PM
www.codechef.com/ide
CODECHEF
An Educational Initiative
PRACTICE
COMPETE
DISCUSS
Logout
Code, Compile & Run
Contest Code/Name (e.g. JUNE17/PRACTICE)
Problem Code/Name (e.g. TEST)
Select
C++14 (gcc 6.3)
#include <stdio.h>
int main() {
int a, b, x, y, t, gcd, lcm;
printf("Enter two integers\n");
scanf("%d%d", &x, &y);
a = x;
b = y;
while (b != 0) {
t = b;
b = a % b;
a = t;
}
gcd = a;
lcm = (x*y)/gcd;
printf("Greatest common divisor of %d and %d = %d\n", x, y, gcd);
printf("Least common multiple of %d and %d = %d\n", x, y, lcm);
return 0;
}
Open File
Custom Input
Run
Custom Input
6 9
Status: Successfully executed
Input
6 9
Output
Enter two integers
Greatest common divisor of 6 and 9 = 3
Least common multiple of 6 and 9 = 18
Scanned with CamScanner

4AL19IS041

# Program to find HCF & LCM

## Algorithm:

1. Start
2. Read the value of x & y
3. Initialize a = x & b = y
4. while(b != 0). if (b != 0) condition becomes false goto step 6.
   4.1. t = b
   4.2 b = a % b
   4.3 a = t
5. Repeat the step 4 until the condition becomes false.
6. gcd = a
7. lcm = (x * y) / gcd
8. Print "Greatest common divisor value & Least common multiple value".
9. Stop.

4AL19ISOA1

Flowchart: