

16. Write a program to find GCD (greatest common divisor or HCF) and LCM (least common multiple) of two numbers.

```
#include<stdio.h>

int main(){
    int a, b, gcd, lcm;
    printf("Enter two numbers : ");
    scanf("%d %d", &a, &b);
    for(int i = 1; i <= a && i <= b; i++){
        if(a%i==0 && b%i==0){
            gcd = i;
        }
    }
    lcm = (a*b)/gcd;
    printf("GCD : %d\nLCM : %d", gcd, lcm);
    return 0;
}
```

-----Answer-----

executables/16\_gcd-lcm

/home/s4ms3pi0l/Documents/AssignEase/C\_Programs/16\_gcd-lcm.c

Compilation successful.

Enter two numbers : 12 18

GCD : 6

LCM : 36

Press the Print Screen button (or press 's' to exit)...