

GAYATHRI

4AL19CS035

Algorithm

Step1: Start

Step2: Input a, b

Step3: $a1 = \&a$

Step4: $b1 = \&b$

Step5: If $(*a1 > *b1)$

num = $*a1$

deno = $*b1$

Else

num = $*b1$

deno = $*a1$

Step6: rem = num % deno

Step7: while (rem != 0)

num = deno

deno = rem

rem = num % deno

Step8: gcd = deno

Step9: Lcm = $(*a1 * *b1) / \text{gcd}$

Step10: Display GCD of a & b &
output gcd

Step11: Display LCM of a & b &
output Lcm

Step12: Stop

Flowchart

