

# C. Program to implement GCD & LCM using recursion

Algorithm's

Flowchart's

- ① Start
- ② Input num1, num2
- ③  $hcf = lcm(num1, num2)$
- ④  $lcm = (num1 * num2) / hcf$
- ⑤ output gcd output lcm
- ⑥ Stop

int gcd (int x, int y)

① Enter

② if (y == 0)

③ return x

else

return gcd (y, x % y)

④ Stop

Input num1, num2

$hcf = gcd(num1, num2)$

$lcm = (num1 * num2) / hcf$

output GCD

Output LCM

Stop

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End