

Adarsh . km

Implement GCD and LCM using recursion,

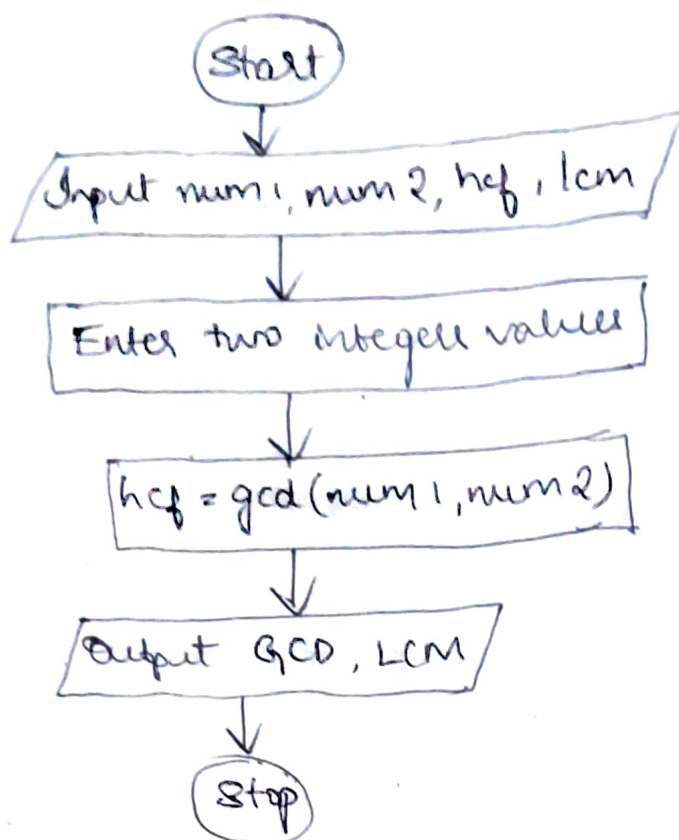
Algorithm

1. Start
2. Input num1, num2, hcf, lcm
3. Output enter two integer values:
4.  $hcf = gcd(num1, num2)$
5. Output GCD, LCM
6. Stop

$gcd(int\ x, int\ y)$

1. Start
2. if  $(y == 0)$
3. return  $x$
4. else
5. return  $gcd(y, x \% y)$
6. Stop

## Flowchart



$gcd(int\ x; int\ y)$

