

C program to implement GCD and LCM using recursion.

Algorithm!

Step 1 : START

Step 2 : Input num1, num2, hcf, lcm

Step 3 : Output enter two integer values

Step 4 : $hcf = gcd(num1, num2)$

Step 5 : Output GCD, LCM

Step 6 : STOP

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

Step 1 : START

Step 2 : if ($y == 0$)

Step 3 : return x

Step 4 : else

Step 5 : return $gcd(y, x \% y)$

Step 6 : STOP

Flowchart:

