

***GAYATHRI***

***4AL19CS035***

## Algorithm

- Step 1: Start  
Step 2: Input  $\text{num}_1, \text{num}_2$   
Step 3:  $\text{hcf} = \text{gcd}(\text{num}_1, \text{num}_2)$   
Step 4:  $\text{lcm} = (\text{num}_1 * \text{num}_2) / \text{hcf}$   
Step 5: output Gcd of  
Step 6: output Lcm  
Step 7: Stop

## int gcd(int x, int y)

Step 1: Entry

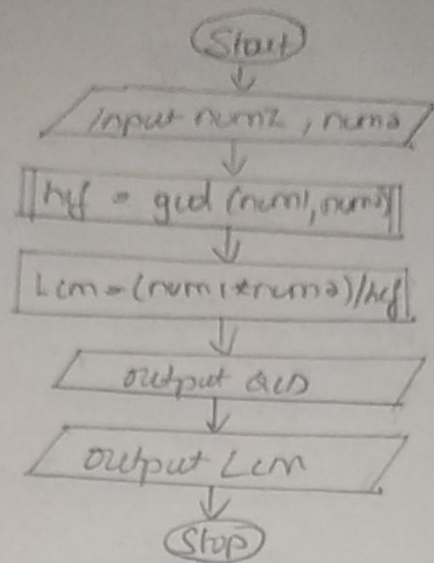
Step 2: If  $(y == 0)$   
return  $x$

Else

return  $\text{gcd}(y, x \% y)$

Step 3: End

## Flowchart



int gcd (int x, int y)

