C progm to implement GCD & LCM using recursion

Algorithm

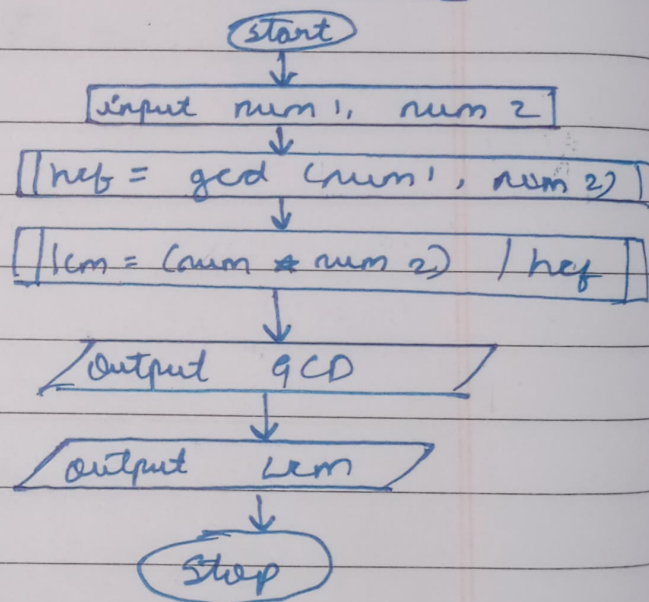1. start
2. input num1, num2
3. hcf = lcm (num1, num2)
4. lcm = (num1 * num2) / hcf
5. output gcd output lcm
6. step

int gcd (int x, int y)

1. Entry
2. if (y == 0)
   return x
   else
   return gcd (xy, x %. y)
3. End.

Flowchart

start

↓

input num1, num2

↓

[hcf = gcd (num1, num2)]

↓

[lcm = (num * num 2) / hcf]

↓

output GCD

↓

output Lcm

↓

Stop

int gcd (int x, int y)

Entry

↓

if (y == 0)

F ← → T

return gcd (x%y, x %. y)   return x

↓

End