```cpp
/*-------GCD & LCM of two given nums--------*/

#include<iostream>
using namespace std;

int GCD(int a, int b)
{
    int gcd = 0;
    int x = min(a, b);
    int y = max(a, b);

    if(x == 0)
    {
        gcd = y;
    }
    else if(y == 0)
    {
        gcd = x;
    }
    else
    {
        for(int i = x; i >= x; i--)
        {
            if(x % i == 0 && y % i == 0)
            {
                gcd = i;
            }
        }
    }
    return gcd;
}

/*
int LCM(int a, int b)
{
    return (a * b)/GCD(a, b);
}
*/

int LCM(int a, int b)
{
    int lcm = 0;
    int x = min(a, b);
    int y = max(a, b);

    if(x == y)
```

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47:         lcm = x;
48:     else
49:     {
50:         int i = y;
51:         while(i <= x * y)
52:         {
53:             if(i % x == 0 && i % y == 0)
54:             {
55:                 lcm = i;
56:                 break;
57:             }
58:             i++;
59:         }
60:     }
61:     return lcm;
62: }
63:
64: int main()
65: {
66:     int a, b;
67:     cout << "Enter your nums: \n";
68:     cin >> a >> b;
69:
70:     int gcd = GCD(a, b);
71:     int lcm = LCM(a, b);
72:
73:     cout << "GCD & LCM of " << a << " & " << b << " are " << gcd << " & " << l
74:
75:     return 0;
76: }
```