C program to find the HCF and LCM of two.

Algorithm

Step 1 : Start

Step 2 : input x, y

Step 3 : a = x

Step 4 : b = y

Step 5 : while (b! = 0)

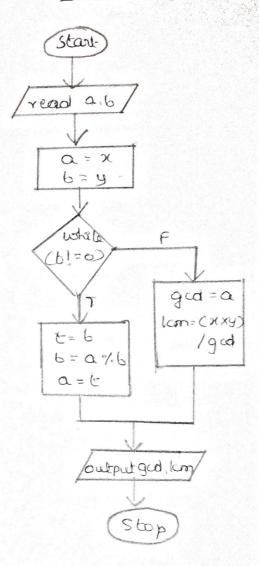 t = b

  b = a % b

  a = t

Step 6 : gcd = a

Step 7 : lcm = (x × y) / gcd

Step 8 : Output gcd, lcm

Step 9 : Stop

Flowchart

```
        ( Start )
           |
           v
      / read a,b /
           |
           v
       | a = x |
       | b = y |
           |
           v
        / while \      F
        \(b!=0) /--------->  | gcd = a      |
           | T                | lcm=(x×y)    |
           v                  |     /gcd     |
       | t = b  |                   |
       | b = a%b|                   |
       | a = t  |                   |
           |_____|
                   |
                   v
          / output gcd, lcm /
                   |
                   v
              ( Stop )
```