C (gcc 6.3) ▾ Code gets autosaved every second

```c
#include<stdio.h>
int main()
{
    int a,b,x,y,t,gcd,lcm;
    printf("Enter two integers\n");
    scanf("%d%d", &x, &y);
    a=x;
    b=y;
    while(b!=0)
    {
        t=b;
        b=a%b;
        a=t;
    }
    gcd=a;
    lcm=(x*y)/gcd;
    printf("Greatest common divisor of %d and %d=%d\n",x,y,gcd);
    printf("Least common multiple of %d and %d=%d\n",x,y,lcm);
}
```

0.0

Open File ✓Custom Inp

Custom Input

```
10
36
```

Status Successfully executed Date 2020-06-04 05:12:57 Time 0 sec Mem 9.424 kB

Input

```
10
36
```

Output

```
Enter two integers
Greatest common divisor of 10 and 36=2
Least common multiple of 10 and 36=180
```

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;

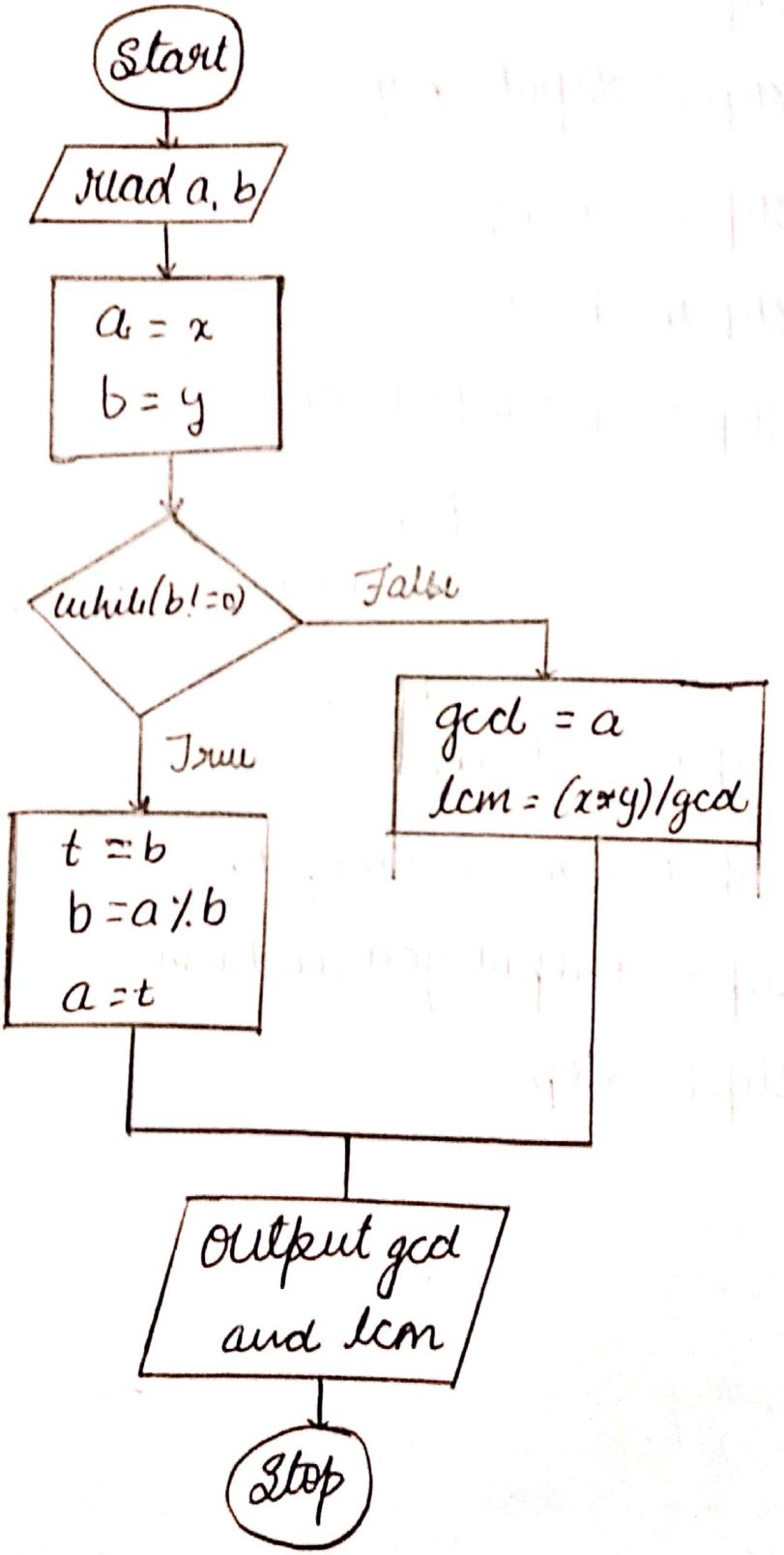
Step 6: gcd = a;

Step 7: lcm = (x*y) / gcd;

Step 8: Output gcd and lcm

Step 9: Stop.

Flow chart


Start
Read a, b
a = x
b = y
while(b!=0)
False
True
gcd = a
lcm = (x*y)/gcd
t = b
b = a % b
a = t
Output gcd and lcm
Stop