Code, Compile & Run

Ide ✖ +

C (gcc 6.3)

```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);

   return 0;
}
```

0:0

Open File ✓Custom Input Run

Custom Input

8 4

Status Successfully executed **Date** 2020-06-03 13:03:19 **Time** 0 sec **Mem** 9.424 kB ✖

Input

```
8 4
```

Output

```
Enter two integers
Greatest common divisor of 8 and 4 = 4
Least common multiple of 8 and 4 = 8
```

Date

Program to find HCF and LCM of 2 no.

Algorithem

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 : ~~output~~ ~~gcd~~, item LCM = (x*y) / gcd
Step : 8 output gcd, lcm
Step 9 : Stop

Flow chart